

**MR. CRANE**

OPERATED CRANES / RIGGING  
ENGINEERING / SAFETY

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# Link-Belt®

## C R A N E S

This electronic  
**CRANE RATING MANUAL**  
is  
**“FOR REFERENCE ONLY”**

The lift capacity information with serial number, that is located on the capacity plate or in the Crane Rating Manual affixed in the crane operator's cab, supersedes all other lift capacities.

This document and all other lift capacity information are for reference only.

Notice: The referenced lift capacities contained herein are only for the crane with the serial number that appears at the bottom of each page.

**SN: P9L4-7599**

SERIAL NUMBER:

**P9L4-7599**

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# CRANE RATING MANUAL

## HTC-8675 *Series II*

### 4 - Section Boom

For Replacement, Order Part Number: P9P0255  
(070219)



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## WARNING

**READ AND UNDERSTAND THE CRANE OPERATOR'S AND SAFETY MANUALS AND THE FOLLOWING INSTRUCTIONS AND RATED LIFTING CAPACITIES BEFORE OPERATING THE CRANE. OPERATION WHICH DOES NOT FOLLOW THESE INSTRUCTIONS MAY RESULT IN AN ACCIDENT.**

### Operating Instructions

#### General:

1. Rated lifting capacities in pounds as shown on lift charts pertain to this crane as originally manufactured and normally equipped by Link-Belt Cranes (LBC). Modifications to the crane or use of optional equipment other than that specified can result in a reduction in capacity.
2. Construction equipment can be dangerous if improperly operated or maintained. Operation and maintenance of this crane must be in compliance with the information in the Operator's, Parts, and Safety Manuals supplied with this crane. If these manuals are missing, order replacements through the distributor.
3. The operator and other personnel associated with this crane shall read and fully understand the latest applicable American National Standards Institute (ANSI) and American Society of Engineers (ASME) safety standards for cranes.
4. All rated lifting capacities listed in this Crane Rating Manual are in compliance with ANSI/ASME B30.5, SAE J1063, and SAE J765 in effect at the time of manufacture.
5. The rated lifting capacities are based on crane standing level on firm supporting surface.

#### Set Up:

1. The crane shall be leveled on a firm supporting surface. Depending on the nature of the supporting surface, it may be necessary to have structural supports under the outrigger pontoons or tires to spread the load to a larger bearing surface.
2. When making lifts on outriggers, all tires must be free of supporting surface. All outrigger beams must be extended to the same length; fully retracted, intermediate extended, or fully extended. The front bumper outrigger must be properly extended.
3. When making lifts on tires, they must be inflated to the recommended pressure. (See Tire Inflation.)
4. Before swinging boom to over side position on tires, or on fully retracted outriggers where capacities are not published, boom sections must be fully retracted and 41° boom angle maintained.
5. For required parts of line, see Wire Rope Capacity Chart and Winch Performance.
6. Before setting up the crane, refer to Allowable Crane Configuration and rated lifting capacities to determine allowable crane configurations.

#### Operation:

1. Rated lifting capacities at rated radius shall not be exceeded. Do not tip the crane to determine allowable loads.
2. Rated lifting capacities shall be reduced for repetitive lift applications. For concrete bucket operation, weight of bucket and load shall not exceed 80% of rated load. For duty cycle operation, such as loading and unloading, maximum allowable load shall not exceed 70% of rated load. For clamshell and magnet operation, weight of bucket, or magnet, and load shall not exceed 70% of rated load. Lifts with fly erected are prohibited for clamshell and magnet operation.
3. Rated lifting capacities shown on fully extended outriggers do not exceed 85% of the tipping loads. Rated lifting capacities shown on intermediate extended or fully retracted outriggers are determined by the formula, rated load = (tipping load - 0.1 X load factor)/1.25. Rated lifting capacities shown on tires do not exceed 75% of the tipping loads.
4. Rated lifting capacities in the shaded areas are governed by factors other than those that would cause a tipping condition.
5. Rated lifting capacities must deduct the weight of the hook block, hook ball, slings, bucket, magnet, auxiliary lifting devices, etc. to obtain the net load that can be lifted. Their weights are considered part of the lifted load. Rated lifting capacities include the deduct for either fly stowed on the base of the boom. For deducts of any fly erected, but not used, see Capacity Deductions.
6. Rated lifting capacities are based on freely suspended loads. No attempt shall be made to move a load horizontally on the ground in any direction.
7. Rated lifting capacities are for lift crane service only.
8. Do not operate at radii or boom lengths (minimum or maximum) where capacities are not listed. At these positions, the crane can tip or cause boom failure.
9. The maximum loads which can be telescoped are not definable because of variation in loadings and crane maintenance, but it is permissible to attempt retraction and extension within the limits of the applicable load rating chart.

10. Boom extend mode EM4 is for fixed boom lengths only as shown on load rating charts. Rated lifting capacities are based on all sections pinned together or the boom fully extended. Do not attempt to extend or retract the boom with loads greater than 10,000 lb.
11. For main boom capacities when either boom length or radius, or both are between values listed, proceed as follows:
  - a. For boom lengths not listed, use rating for next longer boom length or next shorter boom length, whichever is smaller.
  - b. For load radii not listed, use rating for next larger radius.
12. The user shall operate at reduced ratings to allow for adverse job conditions such as: soft or uneven ground, out of level conditions, wind, side loads, pendulum action, jerking or sudden stopping of loads, hazardous conditions, experience of personnel, traveling with loads, electrical wires, etc. Side load on boom or fly is dangerous and shall be avoided.
13. Rated lifting capacities do not account for the effects of wind on a suspended load or boom. Lifting capacities should be considered acceptable for wind speeds up to 20 mph and appropriately reduced for wind speeds greater than 20 mph. (See Wind Speed Restrictions.)
14. For cold weather operation, rated capacities should be reduced by the following rule: a 1% reduction in rated capacity should be taken for each 1°F below 0°F. Example: if the temperature is - 10°F a 10% reduction in rated capacities should be taken, at - 40°F a 40% reduction.
15. For auxiliary lifting sheave capacities, use main boom charts minus auxiliary lifting sheave deduct. (See Capacity Deductions.) The effective length of the boom increases by 2'.
16. Rated lifting capacities are based on correct reeving. A deduction must be made for excessive reeving. Any reeving over minimum required is considered excessive and must be accounted for when making lifts. Use the Working Range Diagram to estimate the extra length of rope, then deduct the required rope weight (listed on the Wire Rope Capacity Chart) for each extra length of wire rope before attempting to lift a load.
17. The loaded boom angle combined with the boom length give only an approximation of the operating radius. The boom angle, before loading, should be greater to account for deflection. Some capacities are limited by a maximum obtainable 80° boom angle.
18. Fly capacities are determined by radius only for fully extended boom lengths of 98.7' and 127'. For radii not shown use rating for next larger radius. For fly capacities with main boom length less than fully extended, the rated capacities are determined by the boom angle. For angles not shown use the next lower boom angle to determine the rated capacity.
19. The 41' boom length structural lifting capacities are based on boom fully retracted. If the boom is not fully retracted, do not exceed capacities shown for the 50' boom length.
20. Rated lifting capacities on tires depend on tire capacity, condition of tires, and tire air pressure. On tire capacities require lifting from main boom head only on a smooth and level surface. The boom must be centered over the rear of the crane with two position travel swing lock engaged and the load must be restrained from swinging. Pick and carry operations are restricted to maximum speed of 1 mph. For correct tire pressure, see Tire Inflation.

### Definitions:

1. Loaded Boom Angle In Degrees:  $\angle^\circ$  The angle between the boom base section and horizontal with freely suspended load at the rated radius.
2. Load Radius: Horizontal distance from a projection of the axis of rotation to the supporting surface, before loading, to the center of the vertical hoist line or tackle with load applied.
3. Working Area: Area measured in a circular arc about the centerline of rotation as shown on the Working Areas Diagram.
4. Freely Suspended Load: Load hanging free with no direct external force applied except by the hoist line.
5. Side Load: Horizontal side force applied to the lifted load either on the ground or in the air.
6. No Load Stability Limit: The radius or boom angle beyond which it is not permitted to position the boom because the crane can overturn without any load on the hook.
7. Load Factor: Load applied at the boom tip which gives the same moment effect as the boom mass.

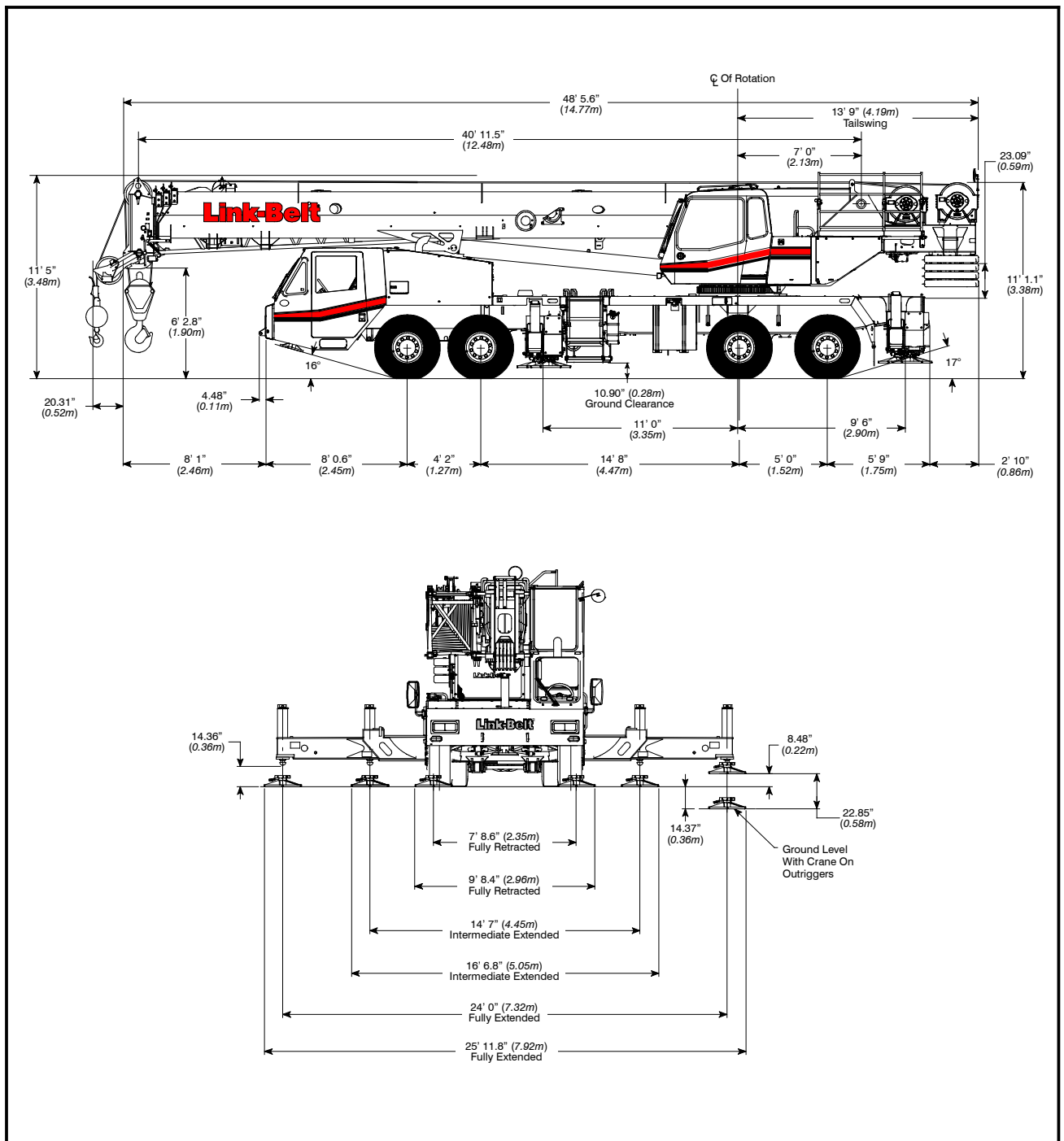
### Patents:

1. This crane is covered by one or more of the following patents:
 

|           |           |
|-----------|-----------|
| 6,131,750 | 6,357,773 |
| 6,499,612 | 6,601,719 |

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# General Dimensions



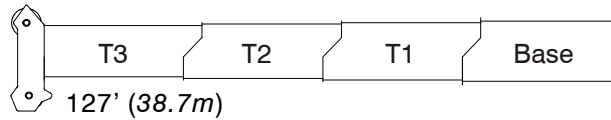
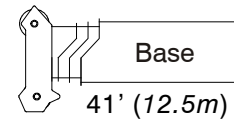
## Tire Inflation

| Tire Size     | Operation           | Tire Pressure (psi) |
|---------------|---------------------|---------------------|
| 12 R 22.5     | 1 mph<br>Stationary | 120<br>120          |
| 315/80 R 22.5 | 1 mph<br>Stationary | 130<br>130          |

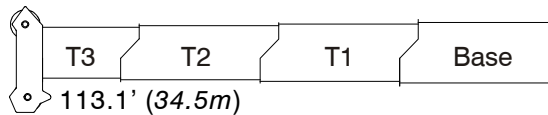
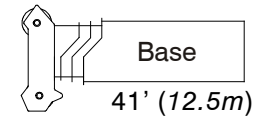
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# Boom Extend Modes

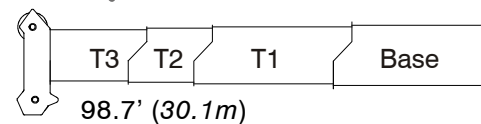
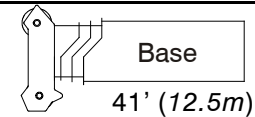
| Boom Length (ft) | Boom Telescope Length (ft) |     |      |     |      |     |
|------------------|----------------------------|-----|------|-----|------|-----|
|                  | T3                         | %   | T2   | %   | T1   | %   |
| 41               |                            |     |      |     |      |     |
| 50               | 9.0                        | 32  |      |     |      |     |
| 60               | 19.0                       | 68  |      |     |      |     |
| 70               | 27.8                       | 100 | 1.2  | 4   |      |     |
| 80               | 27.8                       | 100 | 11.2 | 39  |      |     |
| 90               | 27.8                       | 100 | 21.2 | 74  |      |     |
| 100              | 27.8                       | 100 | 28.7 | 100 | 2.5  | 8   |
| 110              | 27.8                       | 100 | 28.7 | 100 | 12.5 | 42  |
| 120              | 27.8                       | 100 | 28.7 | 100 | 22.5 | 76  |
| 127              | 27.8                       | 100 | 28.7 | 100 | 29.5 | 100 |



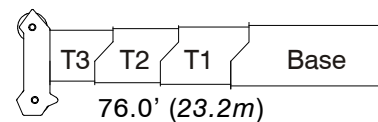
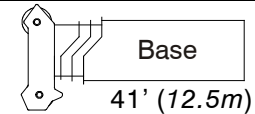
| Boom Length (ft) | Boom Telescope Length (ft) |    |      |     |      |     |
|------------------|----------------------------|----|------|-----|------|-----|
|                  | T3                         | %  | T2   | %   | T1   | %   |
| 41               |                            |    |      |     |      |     |
| 50               | 9.0                        | 32 |      |     |      |     |
| 60               | 13.9                       | 50 | 5.1  | 18  |      |     |
| 70               | 13.9                       | 50 | 15.1 | 53  |      |     |
| 80               | 13.9                       | 50 | 25.1 | 87  |      |     |
| 90               | 13.9                       | 50 | 28.7 | 100 | 6.4  | 22  |
| 100              | 13.9                       | 50 | 28.7 | 100 | 16.4 | 56  |
| 113.1            | 13.9                       | 50 | 28.7 | 100 | 29.5 | 100 |



| Boom Length (ft) | Boom Telescope Length (ft) |    |      |    |      |     |
|------------------|----------------------------|----|------|----|------|-----|
|                  | T3                         | %  | T2   | %  | T1   | %   |
| 41               |                            |    |      |    |      |     |
| 50               | 9.0                        | 32 |      |    |      |     |
| 60               | 13.9                       | 50 | 5.1  | 18 |      |     |
| 70               | 13.9                       | 50 | 14.3 | 50 | 0.8  | 3   |
| 80               | 13.9                       | 50 | 14.3 | 50 | 10.8 | 37  |
| 90               | 13.9                       | 50 | 14.3 | 50 | 20.8 | 71  |
| 98.7             | 13.9                       | 50 | 14.3 | 50 | 29.5 | 100 |



| Boom Length (ft) | Boom Fixed Length (ft) |    |      |    |      |    |
|------------------|------------------------|----|------|----|------|----|
|                  | T3                     | %  | T2   | %  | T1   | %  |
| 41               |                        |    |      |    |      |    |
| 47.0             | 6.0                    | 22 |      |    |      |    |
| 61.3             | 6.0                    | 22 | 14.3 | 50 |      |    |
| 76.0             | 6.0                    | 22 | 14.3 | 50 | 14.7 | 50 |



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# Boom Mode Performance - General Reference Guide

Shaded areas reflect maximum capacity at radius, based on boom modes and boom lengths.

| 0 lb Counterweight |                  |      |      |       | 10,800 lb Counterweight |                  |      |      |       | 18,400 lb Counterweight |                  |      |      |       |
|--------------------|------------------|------|------|-------|-------------------------|------------------|------|------|-------|-------------------------|------------------|------|------|-------|
|                    | EM 1             | EM 2 | EM 3 | EM 4  |                         | EM 1             | EM 2 | EM 3 | EM 4  |                         | EM 1             | EM 2 | EM 3 | EM 4  |
| Rad (ft)           | Boom Length (ft) |      |      |       | Rad (ft)                | Boom Length (ft) |      |      |       | Rad (ft)                | Boom Length (ft) |      |      |       |
|                    | 50               |      |      |       |                         | 50               |      |      |       |                         | 50               |      |      |       |
| 10                 |                  |      |      | 47.0  | 10                      |                  |      |      | 47.0  | 10                      |                  |      |      | 47.0  |
| 20                 |                  |      |      |       | 20                      |                  |      |      |       | 20                      |                  |      |      |       |
| 40                 |                  |      |      |       | 40                      |                  |      |      |       | 40                      |                  |      |      |       |
|                    | 60               |      |      |       |                         | 60               |      |      |       |                         | 60               |      |      |       |
| 10                 |                  |      |      | 61.3  | 10                      |                  |      |      | 61.3  | 10                      |                  |      |      | 61.3  |
| 25                 |                  |      |      |       | 25                      |                  |      |      |       | 25                      |                  |      |      |       |
| 40                 |                  |      |      |       | 40                      |                  |      |      |       | 40                      |                  |      |      |       |
| 50                 |                  |      |      |       | 50                      |                  |      |      |       | 50                      |                  |      |      |       |
|                    | 70               |      |      |       |                         | 70               |      |      |       |                         | 70               |      |      |       |
| 12                 |                  |      |      | 76    | 12                      |                  |      |      | 76    | 12                      |                  |      |      | 76    |
| 25                 |                  |      |      |       | 25                      |                  |      |      |       | 25                      |                  |      |      |       |
| 40                 |                  |      |      |       | 40                      |                  |      |      |       | 40                      |                  |      |      |       |
| 60                 |                  |      |      |       | 60                      |                  |      |      |       | 60                      |                  |      |      |       |
|                    | 80               |      |      |       |                         | 80               |      |      |       |                         | 80               |      |      |       |
| 12                 |                  |      |      |       | 12                      |                  |      |      |       | 12                      |                  |      |      |       |
| 25                 |                  |      |      |       | 25                      |                  |      |      |       | 25                      |                  |      |      |       |
| 40                 |                  |      |      |       | 40                      |                  |      |      |       | 40                      |                  |      |      |       |
| 55                 |                  |      |      |       | 55                      |                  |      |      |       | 55                      |                  |      |      |       |
| 70                 |                  |      |      |       | 70                      |                  |      |      |       | 70                      |                  |      |      |       |
|                    | 90               |      |      |       |                         | 90               |      |      |       |                         | 90               |      |      |       |
| 15                 |                  |      |      |       | 15                      |                  |      |      |       | 15                      |                  |      |      |       |
| 30                 |                  |      |      |       | 30                      |                  |      |      |       | 30                      |                  |      |      |       |
| 45                 |                  |      |      |       | 45                      |                  |      |      |       | 45                      |                  |      |      |       |
| 60                 |                  |      |      |       | 60                      |                  |      |      |       | 60                      |                  |      |      |       |
| 80                 |                  |      |      |       | 80                      |                  |      |      |       | 80                      |                  |      |      |       |
|                    | 100              |      |      |       |                         | 100              |      |      |       |                         | 100              |      |      |       |
| 20                 |                  |      |      | 98.7  | 20                      |                  |      |      | 98.7  | 20                      |                  |      |      | 98.7  |
| 30                 |                  |      |      |       | 30                      |                  |      |      |       | 30                      |                  |      |      |       |
| 45                 |                  |      |      |       | 45                      |                  |      |      |       | 45                      |                  |      |      |       |
| 70                 |                  |      |      |       | 70                      |                  |      |      |       | 70                      |                  |      |      |       |
| 90                 |                  |      |      |       | 90                      |                  |      |      |       | 90                      |                  |      |      |       |
|                    | 110              |      |      |       |                         | 110              |      |      |       |                         | 110              |      |      |       |
| 25                 |                  |      |      | 113.1 | 25                      |                  |      |      | 113.1 | 25                      |                  |      |      | 113.1 |
| 45                 |                  |      |      |       | 45                      |                  |      |      |       | 45                      |                  |      |      |       |
| 65                 |                  |      |      |       | 65                      |                  |      |      |       | 65                      |                  |      |      |       |
| 85                 |                  |      |      |       | 85                      |                  |      |      |       | 85                      |                  |      |      |       |
| 100                |                  |      |      |       | 100                     |                  |      |      |       | 100                     |                  |      |      |       |

## Pontoon Loadings

| Maximum Pontoon Load (lb) | Maximum Pontoon Ground Bearing Pressure (psi) |
|---------------------------|-----------------------------------------------|
| Front - 97,400            | 199                                           |
| Rear - 106,000            | 217                                           |
| Bumper - 51,000           | 262                                           |

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## Winch Performance

| Wire Rope Layer                                                                                                              | Winch Line Pulls |                | Drum Rope Capacity (ft) |       |
|------------------------------------------------------------------------------------------------------------------------------|------------------|----------------|-------------------------|-------|
|                                                                                                                              | Two Speed Winch  |                |                         |       |
|                                                                                                                              | Low Speed        | High Speed     | Layer                   | Total |
|                                                                                                                              | Available (lb*)  | Available (lb) |                         |       |
| 1                                                                                                                            | 16,880           | 7,595          | 114                     | 114   |
| 2                                                                                                                            | 15,519           | 6,982          | 124                     | 238   |
| 3                                                                                                                            | 14,362           | 6,461          | 134                     | 372   |
| 4                                                                                                                            | 13,365           | 6,013          | 144                     | 516   |
| 5                                                                                                                            | 12,497           | 5,623          | 154                     | 670   |
| 6                                                                                                                            | N/A              | N/A            | 164                     | 834   |
| *Maximum lifting capacity: Type CC Rope=17,160 lb, Type RB Rope=12,920 lb, Type KC,YB Rope=16,000 lb, Type ZB Rope=15,600 lb |                  |                |                         |       |

## Wire Rope Capacity Chart

| Maximum Lifting Capacities Based On Wire Rope Strength |                                                                                             |         |            |         |                               |
|--------------------------------------------------------|---------------------------------------------------------------------------------------------|---------|------------|---------|-------------------------------|
| Parts of Line                                          | 3/4", 19mm                                                                                  |         |            |         | Winch Line Pull Fourth Layer* |
|                                                        | Type CC                                                                                     | Type RB | Type KC,YB | Type ZB |                               |
| 1                                                      | 17,160                                                                                      | 12,920  | 16,000     | 15,600  | 13,365                        |
| 2                                                      | 34,320                                                                                      | 25,840  | 32,000     | 31,200  | 26,730                        |
| 3                                                      | 51,480                                                                                      | 38,760  | 48,000     | 46,800  | 40,095                        |
| 4                                                      | 68,640                                                                                      | 51,680  | 64,000     | 62,400  | 53,460                        |
| 5                                                      | 85,800                                                                                      | 64,600  | 80,000     | 78,000  | 66,825                        |
| 6                                                      | 102,960                                                                                     | 77,520  | 96,000     | 93,600  | 80,190                        |
| 7                                                      | 120,120                                                                                     | 90,440  | 112,000    | 109,200 | 93,555                        |
| 8                                                      | 137,280                                                                                     | 103,360 | 128,000    | 124,800 | 106,920                       |
| 9                                                      | 154,440                                                                                     | 116,280 | 144,000    | 140,400 | 120,285                       |
| 10                                                     | 171,600                                                                                     | 129,200 | 160,000    | 156,000 | 133,650                       |
| 11                                                     | 188,760                                                                                     | 142,120 | 176,000    | 171,600 | 147,015                       |
| Rope Weight- lb/ft                                     | 1.2                                                                                         | 1.2     | 1.2        | 1.3     | N/A                           |
| LBC Type                                               | Description                                                                                 |         |            |         |                               |
| CC                                                     | 35 X 7 Rotation Resistant - Non Rotating, Right Lang Lay                                    |         |            |         |                               |
| RB                                                     | 18 X 19 Rotation Resistant - Compacted Strand - High Strength Preformed - Right Regular Lay |         |            |         |                               |
| KC                                                     | 37 x 7 Rotation Resistant, Non Rotating, Galvanized, Right Lang Lay                         |         |            |         |                               |
| YB                                                     | 34 X 7 Rotation Resistant - WSC - Compacted Strand - Right Lang Lay                         |         |            |         |                               |
| ZB                                                     | 34 X 7 Rotation Resistant - Extra Improved Plow Steel - Right Regular Lay or Right Lang Lay |         |            |         |                               |

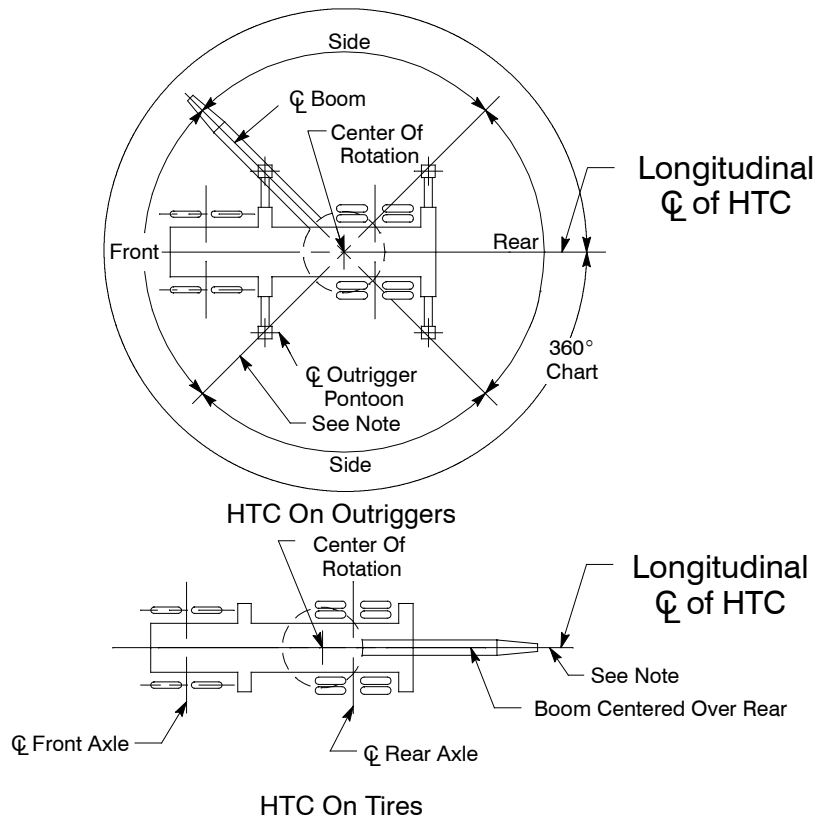
\* Allowable low speed winch line pull on fourth layer wire rope.

### Notes:

- Capacities shown are in pounds and working loads must not exceed the ratings on the capacity charts in this Crane Rating Manual.
- Capacity deducts for auxiliary lifting devices do not apply for wire rope strength capacities.
- Special reeving, using the auxiliary sheave, is required when using more than 10 parts of line. 150,000lb capacity require special handling of load per ASME B30.5 operating practices.
- Consult Operator's Manual for wire rope inspection procedures, single part of line applications, and reeving diagrams.
- If the wire rope single line pull is greater than the fourth layer winch line pull, the winch could stall when lifting rated loads. It is recommended that the fourth layer winch line pull be used to calculate the required parts of line to make lifts.

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# Working Areas



**Note:** These Lines Determine The Limiting Position Of Any Load For Operation Within Working Areas Indicated.

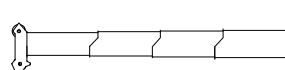
## Capacity Deductions

| Load Handling Equipment                                                   | Weight (lb) |
|---------------------------------------------------------------------------|-------------|
| 25 Ton Quick Reeve 1 Sheave Hook Block (See Hook Block For Actual Weight) | 750         |
| 40 Ton Quick Reeve 3 Sheave Hook Block (See Hook Block For Actual Weight) | 855         |
| 40 Ton Quick Reeve 4 Sheave Hook Block (See Hook Block For Actual Weight) | 900         |
| 60 Ton Quick Reeve 3 Sheave Hook Block (See Hook Block For Actual Weight) | 812 - 1,352 |
| 60 Ton Quick Reeve 4 Sheave Hook Block (See Hook Block For Actual Weight) | 1,109       |
| 75 Ton Quick Reeve 5 Sheave Hook Block (See Hook Block For Actual Weight) | 1,406       |
| 8.5 Ton Hook Ball (See Hook Ball For Actual Weight)                       | 360         |
| 10 Ton Hook Ball (See Hook Ball For Actual Weight)                        | 583         |

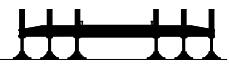
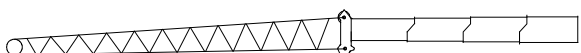
| Auxiliary Lifting Devices                                 | Weight (lb)       |                         |
|-----------------------------------------------------------|-------------------|-------------------------|
| Auxiliary Lifting Sheave Attached                         | 100               |                         |
| <b>Lifting From Main Boom With:</b>                       | <b>2° Offset</b>  | <b>15° - 45° Offset</b> |
| 38' or 64' Fly Stowed On Boom Base (See Operation Note 5) | 0                 | 0                       |
| 38' Offset Fly Erected But Not Used                       | 6,200             | 11,500                  |
| 64' Offset Fly Erected But Not Used                       | 11,200            | 21,900                  |
| 80' or 96' Offset Fly Erected But Not Used                | <b>Prohibited</b> |                         |
| 16' Fly Erected But Not Used                              | 2,300             | N/A                     |
| <b>Lifting From 38' Offset Fly With:</b>                  |                   |                         |
| 26' Fly Tip Erected But Not Used                          | <b>Prohibited</b> |                         |
| 26' Fly Tip Stowed On 38' Offset Fly                      |                   |                         |

**Note:** Capacity deductions are for Link-Belt supplied equipment only.

## Allowable Crane Configuration - Main Boom

|  |  |        |  |                                                                                   |                                                                                     |                                                                                     |          |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|--------|------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|----------|
|                                                                                   |                                                                                   |        | Boom Length (ft)                                                                   |                                                                                   |                                                                                     |                                                                                     |          |
| Outrigger Position                                                                | Counterweight (lb)                                                                |        |   |  |  |  |          |
| Full                                                                              |                                                                                   | 0      | 41 - 127                                                                           | 41 - 113.1                                                                        | 41 - 98.7                                                                           | 41 - 76                                                                             |          |
|                                                                                   | C                                                                                 | 2,200  |                                                                                    |                                                                                   |                                                                                     |                                                                                     |          |
|                                                                                   | A                                                                                 | 3,600  |                                                                                    |                                                                                   |                                                                                     |                                                                                     |          |
|                                                                                   | A,A                                                                               | 7,200  |                                                                                    |                                                                                   |                                                                                     |                                                                                     |          |
|                                                                                   | A,A,B                                                                             | 10,800 |                                                                                    |                                                                                   |                                                                                     |                                                                                     |          |
|                                                                                   | A,A,B,C                                                                           | 13,000 |                                                                                    |                                                                                   |                                                                                     |                                                                                     |          |
|                                                                                   | A,A,B,C,D                                                                         | 14,400 |                                                                                    |                                                                                   |                                                                                     |                                                                                     |          |
|                                                                                   | A,A,B,C,D,E,F                                                                     | 18,400 |                                                                                    |                                                                                   |                                                                                     |                                                                                     |          |
| Intermediate                                                                      |                                                                                   | 0      | 41 - 110                                                                           | 41 - 100                                                                          | 41 - 98.7                                                                           | 41 - 76                                                                             |          |
|                                                                                   | C                                                                                 | 2,200  | 41 - 120                                                                           | 41 - 113.1                                                                        |                                                                                     |                                                                                     |          |
|                                                                                   | A                                                                                 | 3,600  | 41 - 127                                                                           |                                                                                   |                                                                                     |                                                                                     |          |
|                                                                                   | A,A                                                                               | 7,200  |                                                                                    |                                                                                   |                                                                                     |                                                                                     |          |
|                                                                                   | A,A,B                                                                             | 10,800 |                                                                                    |                                                                                   |                                                                                     |                                                                                     |          |
|                                                                                   | A,A,B,C                                                                           | 13,000 |                                                                                    |                                                                                   |                                                                                     |                                                                                     |          |
|                                                                                   | A,A,B,C,D                                                                         | 14,400 |                                                                                    |                                                                                   |                                                                                     |                                                                                     |          |
|                                                                                   | A,A,B,C,D,E,F                                                                     | 18,400 |                                                                                    |                                                                                   |                                                                                     |                                                                                     |          |
| Retracted                                                                         |                                                                                   | 0      | Not Allowed                                                                        |                                                                                   |                                                                                     |                                                                                     |          |
|                                                                                   | C                                                                                 | 2,200  |                                                                                    |                                                                                   |                                                                                     |                                                                                     |          |
|                                                                                   | A                                                                                 | 3,600  |                                                                                    |                                                                                   |                                                                                     |                                                                                     |          |
|                                                                                   | A,A                                                                               | 7,200  |                                                                                    |                                                                                   |                                                                                     |                                                                                     | 41 - 90  |
|                                                                                   | A,A,B                                                                             | 10,800 |                                                                                    |                                                                                   |                                                                                     |                                                                                     | 41 - 100 |
|                                                                                   | A,A,B,C                                                                           | 13,000 |                                                                                    |                                                                                   |                                                                                     |                                                                                     | 41 - 110 |
|                                                                                   | A,A,B,C,D                                                                         | 14,400 |                                                                                    |                                                                                   |                                                                                     |                                                                                     |          |
|                                                                                   | A,A,B,C,D,E,F                                                                     | 18,400 |                                                                                    |                                                                                   |                                                                                     |                                                                                     |          |
| On Tires                                                                          | 0- 18,400                                                                         |        | 41 - 90                                                                            | Not Allowed                                                                       |                                                                                     |                                                                                     |          |

## Allowable Crane Configuration - Main Boom + Attachments

|                                                                                     |                                                                                     |                                                                                      |                                                                                     |                                                                                     |                                                                                     |                                                                                       |                                                                                       |                                                                                       |                                                                                       |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
|  |  |  |                                                                                     |                                                                                     |                                                                                     |                                                                                       |                                                                                       |                                                                                       |                                                                                       |
| Outrigger Position                                                                  | Counterweight (lb)                                                                  |                                                                                      | Boom Length (ft)                                                                    |                                                                                     |                                                                                     |                                                                                       |                                                                                       |                                                                                       |                                                                                       |
|                                                                                     |                                                                                     |                                                                                      |  |  |  |  |  |  |  |
|                                                                                     |                                                                                     |                                                                                      | 38' Fly                                                                             | 64' Fly                                                                             | 80' Fly                                                                             | 96' Fly                                                                               | 16' Ext.                                                                              |                                                                                       |                                                                                       |
| Full                                                                                |                                                                                     | 0                                                                                    | EM1 41- 127<br>EM3 41- 98.7                                                         |                                                                                     |                                                                                     | Not Allowed                                                                           | Not Allowed                                                                           | Not Allowed                                                                           |                                                                                       |
|                                                                                     | C                                                                                   | 2,200                                                                                |                                                                                     |                                                                                     |                                                                                     |                                                                                       |                                                                                       |                                                                                       |                                                                                       |
|                                                                                     | A                                                                                   | 3,600                                                                                |                                                                                     |                                                                                     |                                                                                     |                                                                                       |                                                                                       |                                                                                       |                                                                                       |
|                                                                                     | A,A                                                                                 | 7,200                                                                                |                                                                                     |                                                                                     |                                                                                     |                                                                                       |                                                                                       |                                                                                       |                                                                                       |
|                                                                                     | A,A,B                                                                               | 10,800                                                                               |                                                                                     | EM1 41- 127                                                                         |                                                                                     |                                                                                       |                                                                                       |                                                                                       |                                                                                       |
|                                                                                     | A,A,B,C                                                                             | 13,000                                                                               |                                                                                     |                                                                                     |                                                                                     |                                                                                       |                                                                                       |                                                                                       |                                                                                       |
|                                                                                     | A,A,B,C,D                                                                           | 14,400                                                                               |                                                                                     |                                                                                     |                                                                                     |                                                                                       |                                                                                       |                                                                                       |                                                                                       |
|                                                                                     | A,A,B,C,D,E,F                                                                       | 18,400                                                                               |                                                                                     |                                                                                     |                                                                                     |                                                                                       |                                                                                       |                                                                                       |                                                                                       |
| Intermediate                                                                        | 0- 18,400                                                                           |                                                                                      | Not Allowed                                                                         |                                                                                     |                                                                                     |                                                                                       |                                                                                       |                                                                                       |                                                                                       |
| Retracted                                                                           | 0- 18,400                                                                           |                                                                                      |                                                                                     |                                                                                     |                                                                                     |                                                                                       |                                                                                       |                                                                                       |                                                                                       |
| On Tires                                                                            | 0- 18,400                                                                           |                                                                                      |                                                                                     |                                                                                     |                                                                                     |                                                                                       |                                                                                       |                                                                                       |                                                                                       |

## Backward Stability - Maximum Boom Angle

|      |  |  |              |      |
|---------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|--------------|------|
| Counterweight (lb)                                                                    | On Tires                                                                          | Outrigger Position                                                                 |              |      |
|                                                                                       |                                                                                   | Retracted                                                                          | Intermediate | Full |
| 0                                                                                     | 80°                                                                               | 80°                                                                                | 80°          |      |
| 2,200                                                                                 | 78°                                                                               |                                                                                    |              |      |
| 3,600                                                                                 | 76°                                                                               |                                                                                    |              |      |
| 7,200                                                                                 | 70°                                                                               |                                                                                    |              |      |
| 10,800                                                                                | 63°                                                                               | 76°                                                                                |              |      |
| 13,000                                                                                | 60°                                                                               | 73°                                                                                |              |      |
| 14,400                                                                                | 57°                                                                               | 70°                                                                                |              |      |
| 18,400                                                                                | 49°                                                                               | 63°                                                                                |              |      |
| Maximum boom angle is based on retracted boom at the least stable over side position. |                                                                                   |                                                                                    |              |      |

## Wind Speed Restrictions

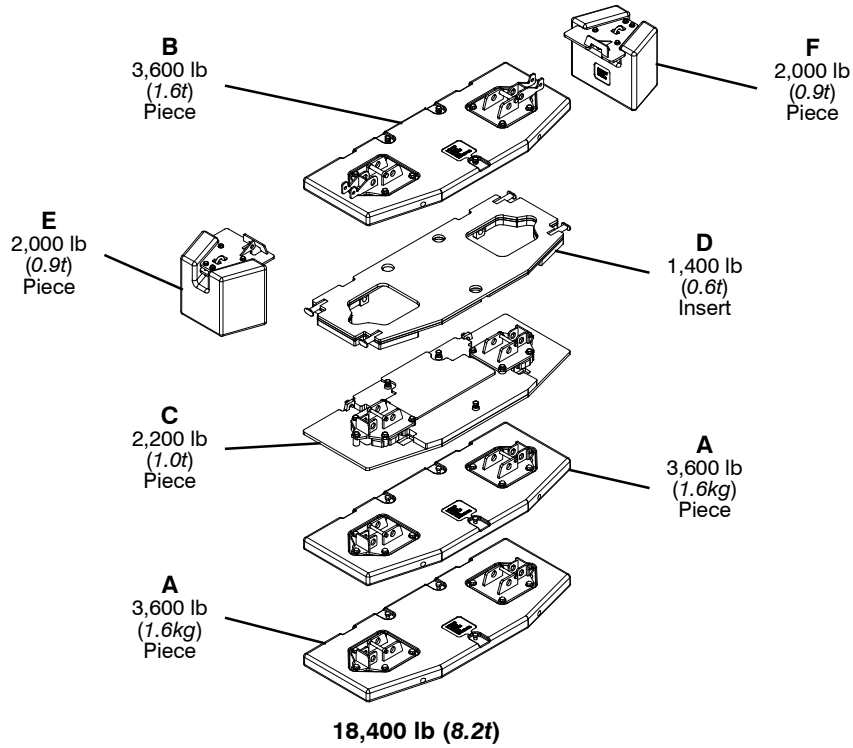
| If The Wind Speed Is:                                                                                                                                                                                                                                                                                                                                                            | Rated Lifted Capacities Must Be Reduced By At Least:                               |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|
| 0- 20 mph                                                                                                                                                                                                                                                                                                                                                                        | Normal Lifting Operations (See Capacity Charts)                                    |
| 21- 29 mph                                                                                                                                                                                                                                                                                                                                                                       | 40%                                                                                |
| 30- 39 mph                                                                                                                                                                                                                                                                                                                                                                       | 70%                                                                                |
| 40 mph or Greater                                                                                                                                                                                                                                                                                                                                                                | Crane operation must be shutdown and the boom retracted and lowered to horizontal. |
| <ul style="list-style-type: none"> <li>• Additional reductions are required for loads with large wind sail area.</li> <li>• These restrictions are based on crane on fully extended outriggers.</li> <li>• During high winds (above 20 mph), the operator shall add 10° to all minimum boom angles due to no load stability and shall not boom down below that angle.</li> </ul> |                                                                                    |

## Hydraulic Circuit Pressure Settings

| Function             | Pressure (psi) |
|----------------------|----------------|
| Front And Rear Winch | 3,400          |
| Outriggers           | 3,000          |
| Boom Hoist           | 3,850          |
| Telescope            | 3,850          |
| Swing                | 2,000          |
| Steering             | 2,000          |
| Bumper Outrigger     | 650            |
| Pilot Control        | 500            |

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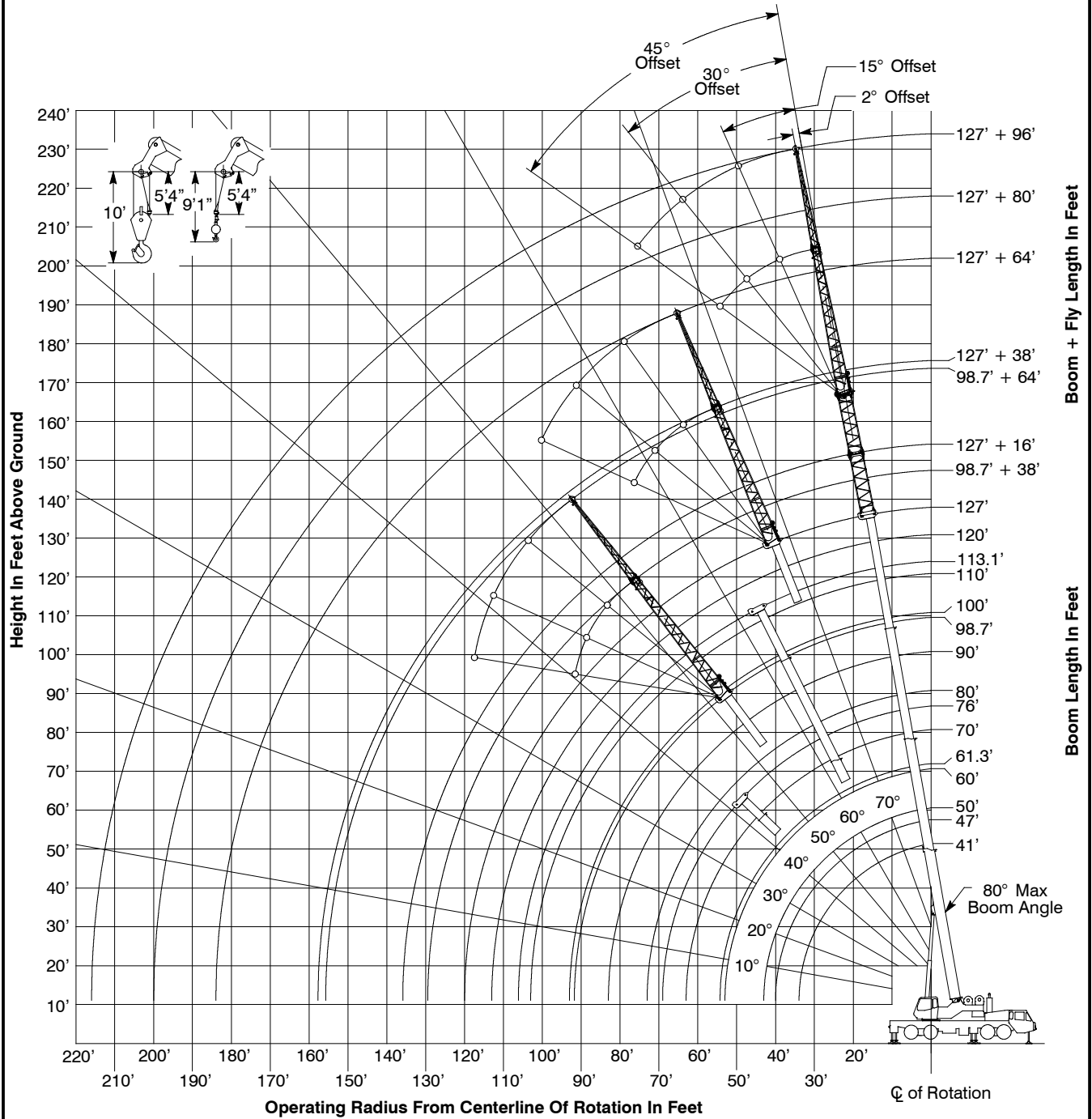
# Allowable Counterweight Configuration



| Counterweight Pieces         |               |                     | A<br>3,600 lb<br>(1.6t)<br>Piece | A<br>3,600 lb<br>(1.6t)<br>Piece | B<br>3,600 lb<br>(1.6t)<br>Piece | C<br>2,200 lb<br>(1.0t)<br>Piece | D<br>1,400 lb<br>(0.6t)<br>Insert | E<br>2,000 lb<br>(0.9t)<br>Piece | F<br>2,000 lb<br>(0.9t)<br>Piece |
|------------------------------|---------------|---------------------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|-----------------------------------|----------------------------------|----------------------------------|
| Counterweight Configurations |               | 0 lb<br>(0t)        |                                  |                                  |                                  |                                  |                                   |                                  |                                  |
|                              | C             | 2,200 lb<br>(1.0t)  |                                  |                                  |                                  | X                                |                                   |                                  |                                  |
|                              | A             | 3,600 lb<br>(1.6t)  | X                                |                                  |                                  |                                  |                                   |                                  |                                  |
|                              | A,A           | 7,200 lb<br>(3.2t)  | X                                | X                                |                                  |                                  |                                   |                                  |                                  |
|                              | A,A,B         | 10,800 lb<br>(4.8t) | X                                | X                                | X                                |                                  |                                   |                                  |                                  |
|                              | A,A,B,C       | 13,000 lb<br>(5.8t) | X                                | X                                | X                                | X                                |                                   |                                  |                                  |
|                              | A,A,B,C,D     | 14,400 lb<br>(6.4t) | X                                | X                                | X                                | X                                | X                                 |                                  |                                  |
|                              | A,A,B,C,D,E,F | 18,400 lb<br>(8.2t) | X                                | X                                | X                                | X                                | X                                 | X                                | X                                |

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# Working Range Diagram



**Note:** Boom and fly geometry shown are for unloaded condition and crane standing level on firm supporting surface. Boom deflection, subsequent radius, and boom angle change must be accounted for when applying load to hook.



## WARNING

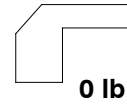
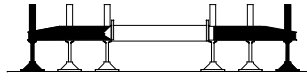
**Do Not Lower The Boom Below The Minimum Boom Angle For No Load Stability As Shown In The Lift Charts For The Boom Lengths Given. Loss Of Stability Will Occur Causing A Tipping Condition.**

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**Rated Lifting Capacities  
In Pounds**



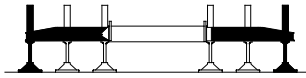
| Load<br>Radius<br>(ft) | 41.0 ft    |         |              | 50.0 ft    |        |              | 60.0 ft    |        |              |
|------------------------|------------|---------|--------------|------------|--------|--------------|------------|--------|--------------|
|                        | $\angle$ ° | 360°    | Over<br>Rear | $\angle$ ° | 360°   | Over<br>Rear | $\angle$ ° | 360°   | Over<br>Rear |
| 10                     | 70.0       | 124,900 | 124,900      | 74.0       | 89,000 | 89,000       | 77.0       | 62,900 | 62,900       |
| 12                     | 66.5       | 102,600 | 102,600      | 71.5       | 87,100 | 87,100       | 75.0       | 58,500 | 58,500       |
| 15                     | 62.0       | 79,900  | 79,900       | 68.0       | 80,000 | 80,000       | 72.0       | 53,000 | 53,000       |
| 20                     | 53.0       | 57,100  | 57,100       | 61.0       | 59,100 | 59,100       | 67.0       | 45,700 | 45,700       |
| 25                     | 43.0       | 43,300  | 43,300       | 54.0       | 45,300 | 45,300       | 61.5       | 40,200 | 40,200       |
| 30                     | 30.0       | 30,600  | 30,600       | 46.0       | 33,100 | 33,100       | 55.5       | 34,600 | 34,600       |
| 35                     |            |         |              | 36.5       | 24,600 | 24,800       | 49.0       | 26,100 | 26,400       |
| 40                     |            |         |              | 23.5       | 18,600 | 19,200       | 42.0       | 20,200 | 20,800       |
| 45                     |            |         |              |            |        |              | 33.5       | 16,000 | 16,800       |
| 50                     |            |         |              |            |        |              | 21.5       | 12,800 | 13,700       |
| Min.Bm.<br>Ang./Cap.   | 0.0        | 23,400  | 23,800       | 0.0        | 15,800 | 16,600       | 0.0        | 11,300 | 11,500       |
| Radius (ft)            | 34.0       |         |              | 43.0       |        |              | 53.0       |        |              |

| Load<br>Radius<br>(ft) | 70.0 ft    |        |              | 80.0 ft    |        |              | 90.0 ft    |        |              |
|------------------------|------------|--------|--------------|------------|--------|--------------|------------|--------|--------------|
|                        | $\angle$ ° | 360°   | Over<br>Rear | $\angle$ ° | 360°   | Over<br>Rear | $\angle$ ° | 360°   | Over<br>Rear |
| 10                     | 79.0       | 49,800 | 49,800       |            |        |              |            |        |              |
| 12                     | 77.5       | 46,500 | 46,500       | 79.5       | 42,400 | 42,400       |            |        |              |
| 15                     | 75.0       | 42,200 | 42,200       | 77.5       | 42,400 | 42,400       | 79.0       | 36,700 | 36,700       |
| 20                     | 70.5       | 36,400 | 36,400       | 73.5       | 37,900 | 37,900       | 76.0       | 36,700 | 36,700       |
| 25                     | 66.0       | 31,900 | 31,900       | 70.0       | 33,800 | 33,800       | 73.0       | 34,500 | 34,500       |
| 30                     | 61.5       | 28,400 | 28,400       | 66.0       | 30,300 | 30,300       | 69.5       | 30,700 | 30,700       |
| 35                     | 56.5       | 25,600 | 25,600       | 62.0       | 27,400 | 27,500       | 66.0       | 27,700 | 27,700       |
| 40                     | 51.5       | 21,100 | 21,800       | 57.5       | 21,400 | 22,000       | 62.0       | 21,600 | 22,200       |
| 45                     | 45.5       | 16,900 | 17,700       | 52.5       | 17,200 | 18,000       | 58.0       | 17,400 | 18,200       |
| 50                     | 38.5       | 13,800 | 14,700       | 47.5       | 14,100 | 14,900       | 54.0       | 14,200 | 15,100       |
| 55                     | 31.0       | 11,400 | 12,300       | 42.5       | 11,700 | 12,600       | 49.5       | 11,900 | 12,800       |
| 60                     | 20.0       | 9,500  | 10,300       | 36.0       | 9,800  | 10,700       | 45.0       | 10,000 | 10,900       |
| 65                     |            |        |              | 29.0       | 8,300  | 9,100        | 40.0       | 8,500  | 9,300        |
| 70                     |            |        |              | 18.5       | 6,900  | 7,700        | 34.0       | 7,200  | 8,000        |
| 75                     |            |        |              |            |        |              | 27.0       | 6,100  | 6,900        |
| 80                     |            |        |              |            |        |              | 17.5       | 5,100  | 5,900        |
| Min.Bm.<br>Ang./Cap.   | 0.0        | 8,500  | 8,600        | 0.0        | 6,300  | 7,100        | 0.0        | 4,600  | 5,400        |
| Radius (ft)            | 63.0       |        |              | 73.0       |        |              | 83.0       |        |              |

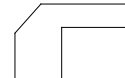
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**Rated Lifting Capacities  
In Pounds**



**Full**



**0 lb**

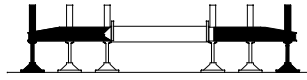


| Load Radius (ft)  | 100.0 ft   |        |           | 110.0 ft   |        |           |
|-------------------|------------|--------|-----------|------------|--------|-----------|
|                   | $\angle$ ° | 360°   | Over Rear | $\angle$ ° | 360°   | Over Rear |
| 20                | 77.5       | 30,700 | 30,700    | 79.0       | 29,100 | 29,100    |
| 25                | 75.0       | 30,700 | 30,700    | 77.0       | 29,100 | 29,100    |
| 30                | 72.0       | 28,400 | 28,400    | 74.5       | 29,100 | 29,100    |
| 35                | 69.0       | 25,700 | 25,700    | 72.0       | 26,600 | 26,600    |
| 40                | 66.0       | 21,700 | 22,200    | 68.5       | 21,400 | 21,900    |
| 45                | 62.5       | 17,400 | 18,200    | 65.5       | 17,100 | 17,900    |
| 50                | 58.5       | 14,300 | 15,100    | 62.5       | 14,000 | 14,900    |
| 55                | 55.0       | 12,000 | 12,800    | 59.0       | 11,700 | 12,600    |
| 60                | 51.0       | 10,100 | 11,000    | 55.5       | 9,800  | 10,700    |
| 65                | 47.0       | 8,500  | 9,400     | 52.5       | 8,300  | 9,200     |
| 70                | 42.5       | 7,200  | 8,100     | 48.5       | 7,000  | 7,900     |
| 75                | 38.0       | 6,200  | 7,000     | 45.0       | 5,900  | 6,800     |
| 80                | 32.5       | 5,200  | 6,000     | 40.5       | 5,000  | 5,800     |
| 85                | 26.0       | 4,400  | 5,100     | 36.0       | 4,200  | 5,000     |
| 90                | 17.0       | 3,700  | 4,400     | 31.0       | 3,500  | 4,200     |
| 95                |            |        |           | 24.5       | 2,900  | 3,600     |
| 100               |            |        |           | 16.0       | 2,300  | 3,000     |
| Min.Bm. Ang./Cap. | 0.0        | 3,300  | 4,000     | 0.0        | 2,100  | 2,700     |
| Radius (ft)       | 93.0       |        |           | 103.0      |        |           |

| Load Radius (ft)  | 120.0 ft   |        |           | 127.0 ft   |        |           |
|-------------------|------------|--------|-----------|------------|--------|-----------|
|                   | $\angle$ ° | 360°   | Over Rear | $\angle$ ° | 360°   | Over Rear |
| 25                | 78.5       | 25,500 | 25,500    | 79.0       | 22,600 | 22,600    |
| 30                | 76.5       | 25,500 | 25,500    | 77.0       | 22,600 | 22,600    |
| 35                | 74.0       | 25,500 | 25,500    | 75.5       | 22,600 | 22,600    |
| 40                | 71.5       | 21,100 | 21,700    | 73.0       | 20,900 | 21,600    |
| 45                | 68.5       | 16,900 | 17,700    | 70.0       | 16,700 | 17,500    |
| 50                | 65.5       | 13,700 | 14,700    | 67.5       | 13,600 | 14,500    |
| 55                | 62.5       | 11,500 | 12,400    | 64.5       | 11,300 | 12,300    |
| 60                | 59.5       | 9,600  | 10,500    | 62.0       | 9,500  | 10,400    |
| 65                | 56.5       | 8,000  | 9,000     | 59.0       | 7,900  | 8,800     |
| 70                | 53.5       | 6,800  | 7,700     | 56.0       | 6,600  | 7,600     |
| 75                | 50.0       | 5,700  | 6,600     | 53.0       | 5,600  | 6,500     |
| 80                | 46.5       | 4,800  | 5,600     | 50.0       | 4,700  | 5,500     |
| 85                | 43.0       | 4,000  | 4,800     | 47.0       | 3,900  | 4,700     |
| 90                | 39.0       | 3,300  | 4,100     | 43.5       | 3,200  | 4,000     |
| 95                | 34.5       | 2,700  | 3,400     | 39.5       | 2,600  | 3,300     |
| 100               | 30.0       | 2,200  | 2,900     | 35.5       | 2,100  | 2,800     |
| 105               | 24.0       | 1,700  | 2,300     | 31.0       | 1,600  | 2,200     |
| 110               | 15.5       | 1,300  | 1,900     | 25.5       | 1,200  | 1,800     |
| 115               |            |        |           |            |        |           |
| Min.Bm. Ang./Cap. | 0.0        | 1,000  | 1,700     | 20.5       |        |           |
| Radius (ft)       | 113.0      |        |           | 113.8      |        |           |

**SN: P9L4-7599**

**Rated Lifting Capacities  
In Pounds**



Full



0 lb

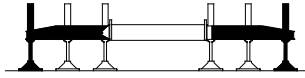


| Load Radius (ft)  | 41.0 ft    |         |           | 50.0 ft    |        |           | 60.0 ft    |        |           | 70.0 ft    |        |           |
|-------------------|------------|---------|-----------|------------|--------|-----------|------------|--------|-----------|------------|--------|-----------|
|                   | $\angle$ ° | 360°    | Over Rear | $\angle$ ° | 360°   | Over Rear | $\angle$ ° | 360°   | Over Rear | $\angle$ ° | 360°   | Over Rear |
| 10                | 70.0       | 124,900 | 124,900   | 74.0       | 89,000 | 89,000    | 77.0       | 77,000 | 77,000    | 79.5       | 74,000 | 74,000    |
| 12                | 66.5       | 102,600 | 102,600   | 71.5       | 87,100 | 87,100    | 75.0       | 72,200 | 72,200    | 77.5       | 74,000 | 74,000    |
| 15                | 62.0       | 79,900  | 79,900    | 68.0       | 80,000 | 80,000    | 72.0       | 66,000 | 66,000    | 75.0       | 68,500 | 68,500    |
| 20                | 53.0       | 57,100  | 57,100    | 61.0       | 59,100 | 59,100    | 67.0       | 57,800 | 57,800    | 71.0       | 60,700 | 60,700    |
| 25                | 43.0       | 43,300  | 43,300    | 54.0       | 45,300 | 45,300    | 61.5       | 46,400 | 46,400    | 66.5       | 46,900 | 46,900    |
| 30                | 30.0       | 30,600  | 30,600    | 46.0       | 33,100 | 33,100    | 55.5       | 34,200 | 34,200    | 61.5       | 34,800 | 34,800    |
| 35                |            |         |           | 36.5       | 24,600 | 24,800    | 49.0       | 25,800 | 26,000    | 56.5       | 26,300 | 26,500    |
| 40                |            |         |           | 23.5       | 18,600 | 19,200    | 41.5       | 19,800 | 20,500    | 51.0       | 20,400 | 21,000    |
| 45                |            |         |           |            |        |           | 33.0       | 15,700 | 16,500    | 45.0       | 16,200 | 17,100    |
| 50                |            |         |           |            |        |           | 21.5       | 12,600 | 13,400    | 38.5       | 13,100 | 14,000    |
| 55                |            |         |           |            |        |           |            |        |           | 30.5       | 10,800 | 11,600    |
| 60                |            |         |           |            |        |           |            |        |           | 20.0       | 8,800  | 9,700     |
| Min.Bm. Ang./Cap. | 0.0        | 23,400  | 23,800    | 0.0        | 15,800 | 16,600    | 0.0        | 11,000 | 11,900    | 0.0        | 7,800  | 8,700     |
| Radius (ft)       | 34.0       |         |           | 43.0       |        |           | 53.0       |        |           | 63.0       |        |           |

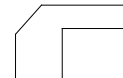
| Load Radius (ft)  | 80.0 ft    |        |           | 90.0 ft    |        |           | 100.0 ft   |        |           | 113.1 ft   |        |           |
|-------------------|------------|--------|-----------|------------|--------|-----------|------------|--------|-----------|------------|--------|-----------|
|                   | $\angle$ ° | 360°   | Over Rear | $\angle$ ° | 360°   | Over Rear | $\angle$ ° | 360°   | Over Rear | $\angle$ ° | 360°   | Over Rear |
| 12                | 79.5       | 57,000 | 57,000    |            |        |           |            |        |           |            |        |           |
| 15                | 77.5       | 51,900 | 51,900    | 79.5       | 48,700 | 48,700    |            |        |           |            |        |           |
| 20                | 73.5       | 44,900 | 44,900    | 76.0       | 42,800 | 42,800    | 78.5       | 42,500 | 42,500    |            |        |           |
| 25                | 70.0       | 39,500 | 39,500    | 73.0       | 38,100 | 38,100    | 75.5       | 38,300 | 38,300    | 78.0       | 32,800 | 32,800    |
| 30                | 66.0       | 35,100 | 35,100    | 69.5       | 34,100 | 34,100    | 72.5       | 34,800 | 34,800    | 75.5       | 32,100 | 32,100    |
| 35                | 61.5       | 26,700 | 26,900    | 65.5       | 26,600 | 26,800    | 69.0       | 26,400 | 26,600    | 72.5       | 26,100 | 26,300    |
| 40                | 57.0       | 20,800 | 21,400    | 62.0       | 20,700 | 21,300    | 65.5       | 20,500 | 21,100    | 69.5       | 20,200 | 20,900    |
| 45                | 52.5       | 16,500 | 17,400    | 58.0       | 16,500 | 17,300    | 62.0       | 16,300 | 17,100    | 66.5       | 16,000 | 16,900    |
| 50                | 47.5       | 13,400 | 14,400    | 53.5       | 13,400 | 14,300    | 58.5       | 13,200 | 14,100    | 63.5       | 12,900 | 13,900    |
| 55                | 42.0       | 11,100 | 12,100    | 49.5       | 11,100 | 12,000    | 54.5       | 10,900 | 11,900    | 60.0       | 10,700 | 11,700    |
| 60                | 36.0       | 9,200  | 10,100    | 44.5       | 9,200  | 10,200    | 51.0       | 9,000  | 10,000    | 57.0       | 8,800  | 9,800     |
| 65                | 28.5       | 7,700  | 8,500     | 39.5       | 7,700  | 8,600     | 47.0       | 7,500  | 8,400     | 53.5       | 7,300  | 8,300     |
| 70                | 18.5       | 6,400  | 7,200     | 34.0       | 6,400  | 7,300     | 42.5       | 6,200  | 7,100     | 50.0       | 6,000  | 7,000     |
| 75                |            |        |           | 27.0       | 5,300  | 6,100     | 37.5       | 5,200  | 6,000     | 46.5       | 5,000  | 5,900     |
| 80                |            |        |           | 17.5       | 4,400  | 5,200     | 32.5       | 4,300  | 5,100     | 42.5       | 4,100  | 4,900     |
| 85                |            |        |           |            |        |           | 26.0       | 3,500  | 4,200     | 38.5       | 3,300  | 4,100     |
| 90                |            |        |           |            |        |           | 17.0       | 2,800  | 3,500     | 34.0       | 2,600  | 3,400     |
| 95                |            |        |           |            |        |           |            |        |           | 28.5       | 2,000  | 2,700     |
| 100               |            |        |           |            |        |           |            |        |           | 21.5       | 1,500  | 2,200     |
| 105               |            |        |           |            |        |           |            |        |           | 10.5       | 1,000  | 1,700     |
| Min.Bm. Ang./Cap. | 0.0        | 5,700  | 6,500     | 0.0        | 3,900  | 4,700     | 0.0        | 2,400  | 3,100     | 0.0        | 900    | 1,600     |
| Radius (ft)       | 73.0       |        |           | 83.0       |        |           | 93.0       |        |           | 106.1      |        |           |

SN: P9L4-7599

**Rated Lifting Capacities  
In Pounds**



**Full**



**0 lb**

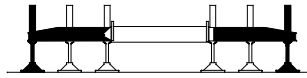


| Load Radius (ft)  | 41.0 ft    |         |           | 50.0 ft    |        |           | 60.0 ft    |        |           | 70.0 ft    |        |           |
|-------------------|------------|---------|-----------|------------|--------|-----------|------------|--------|-----------|------------|--------|-----------|
|                   | $\angle$ ° | 360°    | Over Rear | $\angle$ ° | 360°   | Over Rear | $\angle$ ° | 360°   | Over Rear | $\angle$ ° | 360°   | Over Rear |
| 10                | 70.0       | 124,900 | 124,900   | 74.0       | 89,000 | 89,000    | 77.0       | 77,000 | 77,000    | 79.5       | 74,400 | 74,400    |
| 12                | 66.5       | 102,600 | 102,600   | 71.5       | 87,100 | 87,100    | 75.0       | 72,200 | 72,200    | 77.5       | 74,300 | 74,300    |
| 15                | 62.0       | 79,900  | 79,900    | 68.0       | 80,000 | 80,000    | 72.0       | 66,000 | 66,000    | 75.0       | 68,700 | 68,700    |
| 20                | 53.0       | 57,100  | 57,100    | 61.0       | 59,100 | 59,100    | 67.0       | 57,800 | 57,800    | 71.0       | 60,600 | 60,600    |
| 25                | 43.0       | 43,300  | 43,300    | 54.0       | 45,300 | 45,300    | 61.5       | 46,400 | 46,400    | 66.0       | 46,800 | 46,800    |
| 30                | 30.0       | 30,600  | 30,600    | 46.0       | 33,100 | 33,100    | 55.5       | 34,200 | 34,200    | 61.5       | 34,700 | 34,700    |
| 35                |            |         |           | 36.5       | 24,600 | 24,800    | 49.0       | 25,800 | 26,000    | 56.5       | 26,300 | 26,500    |
| 40                |            |         |           | 23.5       | 18,600 | 19,200    | 41.5       | 19,800 | 20,500    | 51.0       | 20,300 | 21,000    |
| 45                |            |         |           |            |        |           | 33.0       | 15,700 | 16,500    | 45.0       | 16,100 | 17,000    |
| 50                |            |         |           |            |        |           | 21.5       | 12,600 | 13,400    | 38.5       | 13,000 | 13,900    |
| 55                |            |         |           |            |        |           |            |        |           | 30.5       | 10,700 | 11,600    |
| 60                |            |         |           |            |        |           |            |        |           | 20.0       | 8,800  | 9,700     |
| Min.Bm. Ang./Cap. | 0.0        | 23,400  | 23,800    | 0.0        | 15,800 | 16,600    | 0.0        | 11,000 | 11,900    | 0.0        | 7,800  | 8,700     |
| Radius (ft)       | 34.0       |         |           | 43.0       |        |           | 53.0       |        |           | 63.0       |        |           |

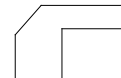
| Load Radius (ft)  | 80.0 ft    |        |           | 90.0 ft    |        |           | 98.7 ft    |        |           |
|-------------------|------------|--------|-----------|------------|--------|-----------|------------|--------|-----------|
|                   | $\angle$ ° | 360°   | Over Rear | $\angle$ ° | 360°   | Over Rear | $\angle$ ° | 360°   | Over Rear |
| 12                | 79.5       | 62,800 | 62,800    |            |        |           |            |        |           |
| 15                | 77.5       | 62,800 | 62,800    | 79.5       | 61,400 | 61,400    |            |        |           |
| 20                | 74.0       | 60,400 | 60,400    | 76.5       | 57,100 | 57,100    | 78.0       | 47,900 | 47,900    |
| 25                | 70.0       | 46,700 | 46,700    | 73.0       | 46,500 | 46,500    | 75.5       | 42,500 | 42,500    |
| 30                | 65.5       | 34,500 | 34,500    | 69.5       | 34,300 | 34,300    | 72.0       | 34,100 | 34,100    |
| 35                | 61.5       | 26,000 | 26,200    | 65.5       | 25,800 | 26,000    | 68.5       | 25,600 | 25,900    |
| 40                | 57.0       | 20,100 | 20,800    | 61.5       | 19,900 | 20,600    | 65.0       | 19,800 | 20,500    |
| 45                | 52.5       | 15,900 | 16,800    | 57.5       | 15,700 | 16,600    | 61.5       | 15,600 | 16,500    |
| 50                | 47.5       | 12,800 | 13,800    | 53.5       | 12,800 | 13,600    | 58.0       | 12,600 | 13,500    |
| 55                | 42.0       | 10,500 | 11,500    | 49.5       | 10,400 | 11,400    | 54.0       | 10,300 | 11,300    |
| 60                | 36.0       | 8,700  | 9,600     | 44.5       | 8,500  | 9,500     | 50.0       | 8,400  | 9,400     |
| 65                | 28.5       | 7,100  | 8,000     | 39.5       | 7,000  | 8,000     | 46.0       | 6,900  | 7,900     |
| 70                | 18.5       | 5,800  | 6,700     | 34.0       | 5,800  | 6,600     | 41.5       | 5,700  | 6,600     |
| 75                |            |        |           | 27.0       | 4,700  | 5,500     | 36.5       | 4,600  | 5,500     |
| 80                |            |        |           | 17.5       | 3,800  | 4,600     | 31.0       | 3,700  | 4,500     |
| 85                |            |        |           |            |        |           | 24.0       | 2,900  | 3,700     |
| 90                |            |        |           |            |        |           | 13.5       | 2,200  | 3,000     |
| Min.Bm. Ang./Cap. | 0.0        | 5,200  | 6,000     | 0.0        | 3,300  | 4,100     | 0.0        | 2,000  | 2,700     |
| Radius (ft)       | 73.0       |        |           | 83.0       |        |           | 91.7       |        |           |

**SN: P9L4-7599**

**Fixed Boom Lengths  
Rated Lifting Capacities  
In Pounds  
See Operation Note 10.**



**Full**



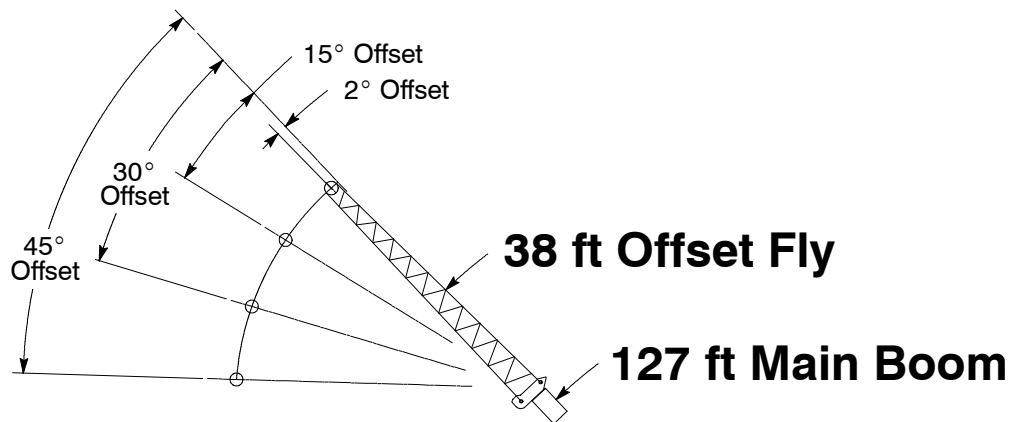
**0 lb**

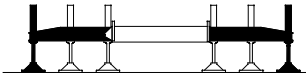
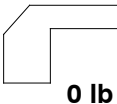


| Load<br>Radius<br>(ft) | 41.0 ft    |         |              | 47.0 ft    |         |              |
|------------------------|------------|---------|--------------|------------|---------|--------------|
|                        | $\angle$ ° | 360°    | Over<br>Rear | $\angle$ ° | 360°    | Over<br>Rear |
| 10                     | 70.0       | 124,900 | 124,900      | 73.0       | 110,700 | 110,700      |
| 12                     | 66.5       | 102,600 | 102,600      | 70.0       | 103,900 | 103,900      |
| 15                     | 62.0       | 79,900  | 79,900       | 66.0       | 81,300  | 81,300       |
| 20                     | 53.0       | 57,100  | 57,100       | 59.0       | 58,500  | 58,500       |
| 25                     | 43.0       | 43,300  | 43,300       | 51.0       | 44,700  | 44,700       |
| 30                     | 30.0       | 30,600  | 30,600       | 42.0       | 32,400  | 32,400       |
| 35                     |            |         |              | 30.5       | 23,900  | 24,200       |
| Min.Bm.<br>Ang./Cap.   | 0.0        | 23,400  | 23,800       | 0.0        | 17,800  | 18,600       |
| Radius (ft)            | 34.0       |         |              | 40.0       |         |              |

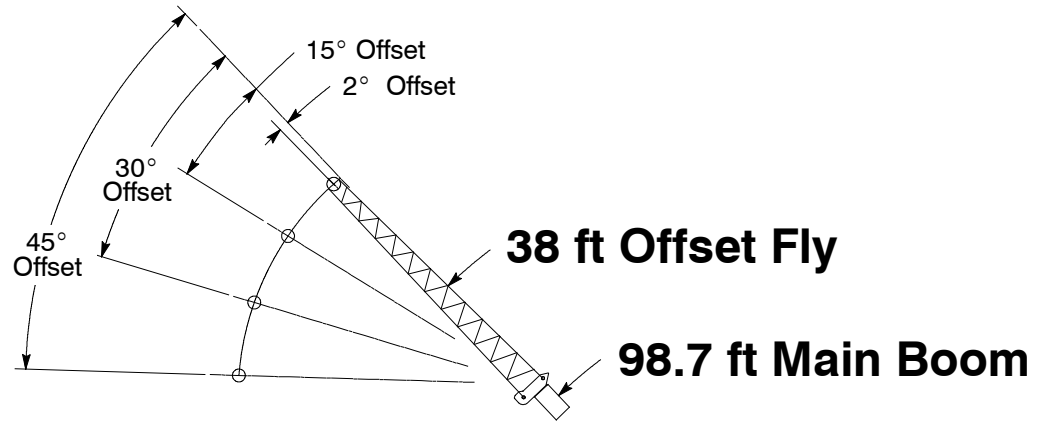
| Load<br>Radius<br>(ft) | 61.3 ft    |         |              | 76.0 ft    |        |              |
|------------------------|------------|---------|--------------|------------|--------|--------------|
|                        | $\angle$ ° | 360°    | Over<br>Rear | $\angle$ ° | 360°   | Over<br>Rear |
| 10                     | 77.5       | 106,900 | 106,900      |            |        |              |
| 12                     | 75.5       | 104,800 | 104,800      | 79.0       | 81,000 | 81,000       |
| 15                     | 72.5       | 82,500  | 82,500       | 77.0       | 77,400 | 77,400       |
| 20                     | 67.5       | 59,800  | 59,800       | 72.5       | 59,700 | 59,700       |
| 25                     | 62.0       | 46,000  | 46,000       | 68.5       | 46,000 | 46,000       |
| 30                     | 56.0       | 33,800  | 33,800       | 64.0       | 33,600 | 33,600       |
| 35                     | 50.0       | 25,400  | 25,600       | 59.5       | 25,200 | 25,500       |
| 40                     | 43.0       | 19,400  | 20,200       | 55.0       | 19,300 | 20,000       |
| 45                     | 35.0       | 15,300  | 16,100       | 49.5       | 15,100 | 16,100       |
| 50                     | 24.5       | 12,200  | 13,000       | 44.5       | 12,100 | 13,100       |
| 55                     |            |         |              | 38.0       | 9,800  | 10,800       |
| 60                     |            |         |              | 31.0       | 7,900  | 8,900        |
| 65                     |            |         |              | 21.5       | 6,400  | 7,300        |
| Min.Bm.<br>Ang./Cap.   | 0.0        | 10,100  | 11,000       | 0.0        | 5,300  | 6,200        |
| Radius (ft)            | 54.3       |         |              | 69.0       |        |              |

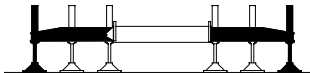
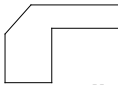
**SN: P9L4-7599**



| Rated Lifting Capacities<br>In Pounds        |                                                                                     |        |    |        |  |       |    |       |
|----------------------------------------------|-------------------------------------------------------------------------------------|--------|-------------------------------------------------------------------------------------|--------|-------------------------------------------------------------------------------------|-------|---------------------------------------------------------------------------------------|-------|
| Load<br>Radius<br>(ft)                       | 2° Offset                                                                           |        | 15° Offset                                                                          |        | 30° Offset                                                                          |       | 45° Offset                                                                            |       |
|                                              |  ° | 360°   |  ° | 360°   |  ° | 360°  |  ° | 360°  |
| 35                                           | 79.5                                                                                | 10,900 |                                                                                     |        |                                                                                     |       |                                                                                       |       |
| 40                                           | 78.0                                                                                | 10,900 |                                                                                     |        |                                                                                     |       |                                                                                       |       |
| 45                                           | 76.5                                                                                | 10,900 | 79.5                                                                                | 10,400 |                                                                                     |       |                                                                                       |       |
| 50                                           | 75.0                                                                                | 10,900 | 78.0                                                                                | 10,300 |                                                                                     |       |                                                                                       |       |
| 55                                           | 73.5                                                                                | 10,900 | 76.5                                                                                | 10,100 | 79.5                                                                                | 9,100 |                                                                                       |       |
| 60                                           | 72.0                                                                                | 10,200 | 75.0                                                                                | 9,900  | 77.5                                                                                | 8,900 |                                                                                       |       |
| 65                                           | 69.5                                                                                | 8,600  | 73.0                                                                                | 9,400  | 76.0                                                                                | 8,700 | 78.0                                                                                  | 8,100 |
| 70                                           | 67.5                                                                                | 7,300  | 70.5                                                                                | 8,000  | 74.0                                                                                | 8,600 | 76.5                                                                                  | 8,000 |
| 75                                           | 65.0                                                                                | 6,200  | 68.5                                                                                | 6,800  | 72.0                                                                                | 7,500 | 74.5                                                                                  | 7,900 |
| 80                                           | 62.5                                                                                | 5,200  | 66.0                                                                                | 5,800  | 69.5                                                                                | 6,400 | 72.0                                                                                  | 6,900 |
| 85                                           | 60.5                                                                                | 4,400  | 63.5                                                                                | 5,000  | 67.0                                                                                | 5,500 | 69.5                                                                                  | 5,900 |
| 90                                           | 58.0                                                                                | 3,700  | 61.5                                                                                | 4,200  | 64.5                                                                                | 4,700 | 67.0                                                                                  | 5,000 |
| 95                                           | 55.5                                                                                | 3,100  | 59.0                                                                                | 3,500  | 62.0                                                                                | 4,000 | 64.0                                                                                  | 4,300 |
| 100                                          | 53.0                                                                                | 2,600  | 56.5                                                                                | 3,000  | 59.5                                                                                | 3,300 | 61.5                                                                                  | 3,600 |
| 105                                          | 50.5                                                                                | 2,100  | 53.5                                                                                | 2,400  | 56.5                                                                                | 2,800 | 58.5                                                                                  | 3,000 |
| 110                                          | 48.0                                                                                | 1,600  | 51.0                                                                                | 2,000  | 54.0                                                                                | 2,300 | 55.5                                                                                  | 2,500 |
| 115                                          | 45.0                                                                                | 1,200  | 48.0                                                                                | 1,500  | 51.0                                                                                | 1,800 | 52.5                                                                                  | 2,000 |
| 120                                          |                                                                                     |        | 45.0                                                                                | 1,100  | 47.5                                                                                | 1,400 | 49.0                                                                                  | 1,500 |
| 125                                          |                                                                                     |        |                                                                                     |        | 44.0                                                                                | 1,000 | 45.0                                                                                  | 1,100 |
| Min.Bm.<br>Ang./Cap.                         | 42.0                                                                                |        | 42.5                                                                                |        | 43.0                                                                                |       | 43.0                                                                                  |       |
| Radius (ft)                                  | 120.0                                                                               |        | 123.3                                                                               |        | 126.3                                                                               |       | 127.5                                                                                 |       |
| Maximum Boom Length At<br>0° Boom Angle (ft) |                                                                                     | 93     |                                                                                     |        |                                                                                     |       |                                                                                       |       |

SN: P9L4-7599



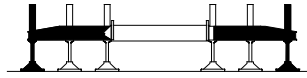
| Rated Lifting Capacities<br>In Pounds        |                                                                                     |        | <br>Full |        | <br>0 lb |       |    |       |        |       |        |       |       |
|----------------------------------------------|-------------------------------------------------------------------------------------|--------|-------------------------------------------------------------------------------------------|--------|---------------------------------------------------------------------------------------------|-------|---------------------------------------------------------------------------------------|-------|--------|-------|--------|-------|-------|
| Load<br>Radius<br>(ft)                       | 2° Offset                                                                           |        | 15° Offset                                                                                |        | 30° Offset                                                                                  |       | 45° Offset                                                                            |       |        |       |        |       |       |
|                                              |  ° | 360°   |  °       | 360°   |  °        | 360°  |  ° | 360°  |        |       |        |       |       |
| 30                                           | 78.0                                                                                | 16,200 | 77.0                                                                                      | 12,500 |                                                                                             |       |                                                                                       |       |        |       |        |       |       |
| 35                                           | 76.0                                                                                | 15,600 |                                                                                           | 73.0   |                                                                                             |       |                                                                                       |       | 11,500 | 76.5  | 9,800  | 77.0  | 8,600 |
| 40                                           | 74.0                                                                                | 14,900 |                                                                                           |        |                                                                                             |       |                                                                                       |       | 70.5   |       | 11,100 |       |       |
| 45                                           | 72.0                                                                                | 14,300 | 68.5                                                                                      | 10,700 | 72.0                                                                                        | 9,300 | 74.5                                                                                  | 8,400 |        |       |        |       |       |
| 50                                           | 69.5                                                                                | 13,600 |                                                                                           | 65.5   |                                                                                             | 9,100 |                                                                                       |       | 69.5   | 9,000 | 72.0   | 8,300 |       |
| 55                                           | 67.0                                                                                | 11,900 | 63.0                                                                                      |        | 7,700                                                                                       | 67.0  | 8,400                                                                                 | 69.5  |        | 8,100 |        |       |       |
| 60                                           | 64.5                                                                                | 9,900  |                                                                                           | 60.0   | 6,600                                                                                       |       | 64.0                                                                                  |       | 7,200  |       | 67.0   | 7,700 |       |
| 65                                           | 62.0                                                                                | 8,300  | 57.5                                                                                      |        | 5,500                                                                                       | 61.0  |                                                                                       | 6,100 | 63.5   | 6,500 |        |       |       |
| 70                                           | 59.0                                                                                | 7,000  |                                                                                           | 54.5   | 4,700                                                                                       |       | 57.5                                                                                  | 5,200 |        |       | 60.0   | 5,500 |       |
| 75                                           | 56.5                                                                                | 5,900  | 51.0                                                                                      |        | 3,900                                                                                       | 54.5  |                                                                                       | 4,300 | 56.5   | 4,600 |        |       |       |
| 80                                           | 53.5                                                                                | 5,000  |                                                                                           | 48.0   | 3,300                                                                                       |       | 51.0                                                                                  | 3,600 |        |       | 53.0   | 3,800 |       |
| 85                                           | 50.5                                                                                | 4,200  | 44.5                                                                                      |        | 2,700                                                                                       | 47.5  |                                                                                       | 3,000 | 49.0   | 3,100 |        |       |       |
| 90                                           | 47.5                                                                                | 3,500  |                                                                                           | 40.5   | 2,100                                                                                       |       | 43.5                                                                                  | 2,400 |        |       | 44.5   | 2,500 |       |
| 95                                           | 44.0                                                                                | 2,900  | 36.0                                                                                      |        | 1,700                                                                                       | 38.5  |                                                                                       | 1,900 |        |       |        |       |       |
| 100                                          | 40.5                                                                                | 2,300  |                                                                                           | 31.0   | 1,200                                                                                       |       | 33.5                                                                                  | 1,400 |        |       |        |       |       |
| 105                                          | 37.0                                                                                | 1,900  | 26.5                                                                                      |        |                                                                                             | 26.5  |                                                                                       |       | 26.5   |       |        |       |       |
| 110                                          | 32.5                                                                                | 1,400  |                                                                                           |        |                                                                                             |       |                                                                                       |       |        |       |        |       |       |
| 115                                          | 27.5                                                                                | 1,000  |                                                                                           |        |                                                                                             |       |                                                                                       |       |        |       |        |       |       |
| Min.Bm.<br>Ang./Cap.                         | 25.5                                                                                |        |                                                                                           |        |                                                                                             |       |                                                                                       |       |        |       |        |       |       |
| Radius (ft)                                  | 116.7                                                                               |        | 118.8                                                                                     |        | 120.0                                                                                       |       | 120.0                                                                                 |       |        |       |        |       |       |
| Maximum Boom Length At<br>0° Boom Angle (ft) |                                                                                     | 93     |                                                                                           |        |                                                                                             |       |                                                                                       |       |        |       |        |       |       |

SN: P9L4-7599

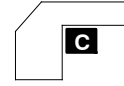
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**SN: P9L4-7599**

**Rated Lifting Capacities  
In Pounds**



Full



2,200 lb



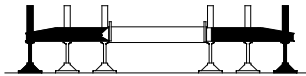
| Load<br>Radius<br>(ft) | 41.0 ft    |         |              | 50.0 ft    |        |              | 60.0 ft    |        |              |
|------------------------|------------|---------|--------------|------------|--------|--------------|------------|--------|--------------|
|                        | $\angle$ ° | 360°    | Over<br>Rear | $\angle$ ° | 360°   | Over<br>Rear | $\angle$ ° | 360°   | Over<br>Rear |
| 10                     | 70.0       | 125,700 | 125,700      | 74.0       | 89,000 | 89,000       | 77.0       | 62,900 | 62,900       |
| 12                     | 66.5       | 103,200 | 103,200      | 71.5       | 87,100 | 87,100       | 75.0       | 58,500 | 58,500       |
| 15                     | 62.0       | 80,500  | 80,500       | 68.0       | 80,000 | 80,000       | 72.0       | 53,000 | 53,000       |
| 20                     | 53.0       | 57,500  | 57,500       | 61.0       | 59,500 | 59,500       | 67.0       | 45,700 | 45,700       |
| 25                     | 43.0       | 43,600  | 43,600       | 54.0       | 45,600 | 45,600       | 61.5       | 40,200 | 40,200       |
| 30                     | 30.0       | 31,400  | 31,400       | 46.0       | 33,800 | 33,800       | 55.5       | 35,400 | 35,400       |
| 35                     |            |         |              | 36.5       | 25,300 | 25,500       | 49.0       | 26,900 | 27,000       |
| 40                     |            |         |              | 23.5       | 19,200 | 19,700       | 42.0       | 20,800 | 21,400       |
| 45                     |            |         |              |            |        |              | 33.5       | 16,500 | 17,200       |
| 50                     |            |         |              |            |        |              | 21.5       | 13,300 | 14,100       |
| Min.Bm.<br>Ang./Cap.   | 0.0        | 24,300  | 24,400       | 0.0        | 16,400 | 16,600       | 0.0        | 11,500 | 11,500       |
| Radius                 | 34.0       |         |              | 43.0       |        |              | 53.0       |        |              |

| Load<br>Radius<br>(ft) | 70.0 ft    |        |              | 80.0 ft    |        |              | 90.0 ft    |        |              |
|------------------------|------------|--------|--------------|------------|--------|--------------|------------|--------|--------------|
|                        | $\angle$ ° | 360°   | Over<br>Rear | $\angle$ ° | 360°   | Over<br>Rear | $\angle$ ° | 360°   | Over<br>Rear |
| 10                     | 79.0       | 49,800 | 49,800       |            |        |              |            |        |              |
| 12                     | 77.5       | 46,500 | 46,500       | 79.5       | 42,400 | 42,400       |            |        |              |
| 15                     | 75.0       | 42,200 | 42,200       | 77.5       | 42,400 | 42,400       | 79.0       | 36,700 | 36,700       |
| 20                     | 70.5       | 36,400 | 36,400       | 73.5       | 37,900 | 37,900       | 76.0       | 36,700 | 36,700       |
| 25                     | 66.0       | 31,900 | 31,900       | 70.0       | 33,800 | 33,800       | 73.0       | 34,500 | 34,500       |
| 30                     | 61.5       | 28,400 | 28,400       | 66.0       | 30,300 | 30,300       | 69.5       | 30,700 | 30,700       |
| 35                     | 56.5       | 25,600 | 25,600       | 62.0       | 27,500 | 27,500       | 66.0       | 27,700 | 27,700       |
| 40                     | 51.0       | 21,800 | 22,300       | 57.5       | 22,100 | 22,500       | 62.0       | 22,300 | 22,700       |
| 45                     | 45.5       | 17,500 | 18,200       | 52.5       | 17,700 | 18,400       | 58.0       | 17,900 | 18,600       |
| 50                     | 38.5       | 14,300 | 15,000       | 47.5       | 14,500 | 15,300       | 54.0       | 14,700 | 15,500       |
| 55                     | 31.0       | 11,900 | 12,600       | 42.5       | 12,100 | 12,900       | 49.5       | 12,300 | 13,100       |
| 60                     | 20.0       | 9,900  | 10,600       | 36.0       | 10,200 | 11,000       | 45.0       | 10,400 | 11,200       |
| 65                     |            |        |              | 28.5       | 8,600  | 9,400        | 40.0       | 8,800  | 9,600        |
| 70                     |            |        |              | 18.5       | 7,200  | 8,000        | 34.0       | 7,500  | 8,300        |
| 75                     |            |        |              |            |        |              | 27.0       | 6,400  | 7,100        |
| 80                     |            |        |              |            |        |              | 17.5       | 5,400  | 6,100        |
| Min.Bm.<br>Ang./Cap.   | 0.0        | 8,600  | 8,600        | 0.0        | 6,500  | 7,300        | 0.0        | 4,900  | 5,600        |
| Radius                 | 63.0       |        |              | 73.0       |        |              | 83.0       |        |              |

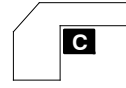
SN: P9L4-7599



**Rated Lifting Capacities  
In Pounds**



**Full**



**2,200 lb**

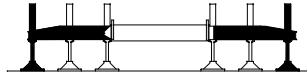


| Load<br>Radius<br>(ft) | 100.0 ft   |        |              | 110.0 ft   |        |              |
|------------------------|------------|--------|--------------|------------|--------|--------------|
|                        | $\angle$ ° | 360°   | Over<br>Rear | $\angle$ ° | 360°   | Over<br>Rear |
| 20                     | 77.5       | 30,700 | 30,700       | 79.0       | 29,100 | 29,100       |
| 25                     | 75.0       | 30,700 | 30,700       | 77.0       | 29,100 | 29,100       |
| 30                     | 72.0       | 28,400 | 28,400       | 74.5       | 29,100 | 29,100       |
| 35                     | 69.0       | 25,700 | 25,700       | 72.0       | 26,600 | 26,600       |
| 40                     | 65.5       | 22,300 | 22,700       | 69.0       | 22,000 | 22,500       |
| 45                     | 62.0       | 18,000 | 18,600       | 65.5       | 17,700 | 18,400       |
| 50                     | 58.5       | 14,700 | 15,500       | 62.0       | 14,500 | 15,300       |
| 55                     | 55.0       | 12,400 | 13,100       | 59.0       | 12,100 | 12,900       |
| 60                     | 51.0       | 10,400 | 11,300       | 55.5       | 10,200 | 11,000       |
| 65                     | 47.0       | 8,800  | 9,700        | 52.5       | 8,600  | 9,500        |
| 70                     | 42.5       | 7,500  | 8,400        | 48.5       | 7,300  | 8,100        |
| 75                     | 38.0       | 6,400  | 7,200        | 45.0       | 6,200  | 7,000        |
| 80                     | 32.5       | 5,500  | 6,200        | 40.5       | 5,300  | 6,000        |
| 85                     | 26.0       | 4,700  | 5,400        | 36.0       | 4,500  | 5,200        |
| 90                     | 17.0       | 3,900  | 4,600        | 30.5       | 3,700  | 4,400        |
| 95                     |            |        |              | 24.5       | 3,100  | 3,800        |
| 100                    |            |        |              | 16.0       | 2,500  | 3,200        |
| Min.Bm.<br>Ang./Cap.   | 0.0        | 3,600  | 4,200        | 0.0        | 2,300  | 2,900        |
| Radius                 | 93.0       |        |              | 103.0      |        |              |

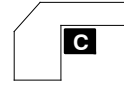
| Load<br>Radius<br>(ft) | 120.0 ft   |        |              | 127.0 ft   |        |              |
|------------------------|------------|--------|--------------|------------|--------|--------------|
|                        | $\angle$ ° | 360°   | Over<br>Rear | $\angle$ ° | 360°   | Over<br>Rear |
| 25                     | 78.5       | 25,500 | 25,500       | 79.0       | 22,600 | 22,600       |
| 30                     | 76.5       | 25,500 | 25,500       | 77.0       | 22,600 | 22,600       |
| 35                     | 74.0       | 25,500 | 25,500       | 75.5       | 22,600 | 22,600       |
| 40                     | 71.0       | 21,700 | 22,200       | 73.0       | 21,600 | 22,100       |
| 45                     | 68.5       | 17,400 | 18,100       | 70.0       | 17,300 | 18,000       |
| 50                     | 65.5       | 14,200 | 15,000       | 67.0       | 14,100 | 14,900       |
| 55                     | 62.5       | 11,900 | 12,600       | 64.5       | 11,800 | 12,600       |
| 60                     | 59.5       | 10,000 | 10,800       | 62.0       | 9,800  | 10,700       |
| 65                     | 56.5       | 8,400  | 9,300        | 59.0       | 8,300  | 9,100        |
| 70                     | 53.5       | 7,100  | 7,900        | 56.0       | 7,000  | 7,800        |
| 75                     | 50.0       | 6,000  | 6,800        | 53.0       | 5,900  | 6,700        |
| 80                     | 46.5       | 5,100  | 5,900        | 50.0       | 4,900  | 5,700        |
| 85                     | 43.0       | 4,300  | 5,000        | 46.5       | 4,100  | 4,900        |
| 90                     | 39.0       | 3,600  | 4,300        | 43.0       | 3,400  | 4,200        |
| 95                     | 34.5       | 2,900  | 3,600        | 39.5       | 2,800  | 3,500        |
| 100                    | 30.0       | 2,400  | 3,000        | 35.5       | 2,300  | 2,900        |
| 105                    | 23.5       | 1,900  | 2,500        | 31.0       | 1,800  | 2,400        |
| 110                    | 15.5       | 1,400  | 2,000        | 25.5       | 1,300  | 1,900        |
| Min.Bm.<br>Ang./Cap.   | 0.0        | 1,200  | 1,800        | 19.0       |        |              |
| Radius                 | 113.0      |        |              | 115.0      |        |              |

**SN: P9L4-7599**

**Rated Lifting Capacities  
In Pounds**



**Full**



**2,200 lb**

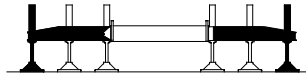


| Load<br>Radius<br>(ft) | 41.0 ft    |         |              | 50.0 ft    |        |              | 60.0 ft    |        |              | 70.0 ft    |        |              |
|------------------------|------------|---------|--------------|------------|--------|--------------|------------|--------|--------------|------------|--------|--------------|
|                        | $\angle$ ° | 360°    | Over<br>Rear | $\angle$ ° | 360°   | Over<br>Rear | $\angle$ ° | 360°   | Over<br>Rear | $\angle$ ° | 360°   | Over<br>Rear |
| 10                     | 70.0       | 125,700 | 125,700      | 74.0       | 89,000 | 89,000       | 77.0       | 77,000 | 77,000       | 79.5       | 74,000 | 74,000       |
| 12                     | 66.5       | 103,200 | 103,200      | 71.5       | 87,100 | 87,100       | 75.0       | 72,200 | 72,200       | 77.5       | 74,000 | 74,000       |
| 15                     | 62.0       | 80,500  | 80,500       | 68.0       | 80,000 | 80,000       | 72.0       | 66,000 | 66,000       | 75.0       | 68,500 | 68,500       |
| 20                     | 53.0       | 57,500  | 57,500       | 61.0       | 59,500 | 59,500       | 67.0       | 57,800 | 57,800       | 71.0       | 60,800 | 60,800       |
| 25                     | 43.0       | 43,600  | 43,600       | 54.0       | 45,600 | 45,600       | 61.5       | 46,700 | 46,700       | 66.0       | 47,200 | 47,200       |
| 30                     | 30.0       | 31,400  | 31,400       | 46.0       | 33,800 | 33,800       | 55.5       | 35,000 | 35,000       | 61.5       | 35,600 | 35,600       |
| 35                     |            |         |              | 36.5       | 25,300 | 25,500       | 49.0       | 26,500 | 26,600       | 56.0       | 27,100 | 27,100       |
| 40                     |            |         |              | 23.5       | 19,200 | 19,700       | 41.5       | 20,500 | 21,000       | 51.0       | 21,000 | 21,600       |
| 45                     |            |         |              |            |        |              | 33.0       | 16,200 | 16,900       | 45.0       | 16,700 | 17,500       |
| 50                     |            |         |              |            |        |              | 21.5       | 13,000 | 13,800       | 38.5       | 13,600 | 14,400       |
| 55                     |            |         |              |            |        |              |            |        |              | 30.5       | 11,200 | 12,000       |
| 60                     |            |         |              |            |        |              |            |        |              | 19.5       | 9,200  | 10,000       |
| Min.Bm.<br>Ang./Cap.   | 0.0        | 24,300  | 24,400       | 0.0        | 16,400 | 16,600       | 0.0        | 11,400 | 12,200       | 0.0        | 8,200  | 9,000        |
| Radius                 |            | 34.0    |              |            | 43.0   |              |            | 53.0   |              |            | 63.0   |              |

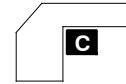
| Load<br>Radius<br>(ft) | 80.0 ft    |        |              | 90.0 ft    |        |              | 100.0 ft   |        |              | 113.1 ft   |        |              |
|------------------------|------------|--------|--------------|------------|--------|--------------|------------|--------|--------------|------------|--------|--------------|
|                        | $\angle$ ° | 360°   | Over<br>Rear | $\angle$ ° | 360°   | Over<br>Rear | $\angle$ ° | 360°   | Over<br>Rear | $\angle$ ° | 360°   | Over<br>Rear |
| 12                     | 79.5       | 57,000 | 57,000       |            |        |              |            |        |              |            |        |              |
| 15                     | 77.5       | 51,900 | 51,900       | 79.5       | 48,700 | 48,700       |            |        |              |            |        |              |
| 20                     | 73.5       | 44,900 | 44,900       | 76.0       | 42,800 | 42,800       | 78.0       | 42,500 | 42,500       |            |        |              |
| 25                     | 70.0       | 39,500 | 39,500       | 73.0       | 38,100 | 38,100       | 75.5       | 38,300 | 38,300       | 78.0       | 32,800 | 32,800       |
| 30                     | 66.0       | 35,100 | 35,100       | 69.5       | 34,100 | 34,100       | 72.5       | 34,800 | 34,800       | 75.5       | 32,100 | 32,100       |
| 35                     | 61.5       | 27,500 | 27,500       | 65.5       | 27,400 | 27,400       | 69.0       | 27,100 | 27,200       | 72.5       | 26,900 | 26,900       |
| 40                     | 57.0       | 21,400 | 21,900       | 61.5       | 21,300 | 21,800       | 65.5       | 21,100 | 21,600       | 69.5       | 20,800 | 21,400       |
| 45                     | 52.5       | 17,100 | 17,800       | 57.5       | 17,000 | 17,800       | 62.0       | 16,800 | 17,600       | 66.0       | 16,600 | 17,300       |
| 50                     | 47.5       | 13,900 | 14,800       | 53.5       | 13,900 | 14,700       | 58.5       | 13,600 | 14,500       | 63.0       | 13,400 | 14,300       |
| 55                     | 42.0       | 11,600 | 12,400       | 49.5       | 11,500 | 12,400       | 54.5       | 11,300 | 12,200       | 60.0       | 11,100 | 12,000       |
| 60                     | 36.0       | 9,600  | 10,400       | 44.5       | 9,600  | 10,500       | 51.0       | 9,400  | 10,300       | 57.0       | 9,200  | 10,100       |
| 65                     | 28.5       | 8,000  | 8,800        | 39.5       | 8,000  | 8,900        | 46.5       | 7,800  | 8,700        | 53.5       | 7,600  | 8,500        |
| 70                     | 18.5       | 6,700  | 7,500        | 34.0       | 6,700  | 7,500        | 42.5       | 6,500  | 7,400        | 50.0       | 6,300  | 7,200        |
| 75                     |            |        |              | 27.0       | 5,600  | 6,400        | 37.5       | 5,500  | 6,300        | 46.5       | 5,300  | 6,100        |
| 80                     |            |        |              | 17.5       | 4,600  | 5,400        | 32.0       | 4,500  | 5,300        | 42.5       | 4,300  | 5,200        |
| 85                     |            |        |              |            |        |              | 25.5       | 3,700  | 4,400        | 38.5       | 3,500  | 4,300        |
| 90                     |            |        |              |            |        |              | 17.0       | 3,000  | 3,700        | 34.0       | 2,900  | 3,600        |
| 95                     |            |        |              |            |        |              |            |        |              | 28.0       | 2,200  | 2,900        |
| 100                    |            |        |              |            |        |              |            |        |              | 21.5       | 1,700  | 2,300        |
| 105                    |            |        |              |            |        |              |            |        |              | 10.5       | 1,200  | 1,800        |
| Min.Bm.<br>Ang./Cap.   | 0.0        | 6,000  | 6,800        | 0.0        | 4,100  | 4,900        | 0.0        | 2,600  | 3,300        | 0.0        | 1,100  | 1,700        |
| Radius                 |            | 73.0   |              |            | 83.0   |              |            | 93.0   |              |            | 106.1  |              |

**SN: P9L4-7599**

**Rated Lifting Capacities  
In Pounds**



**Full**



**2,200 lb**

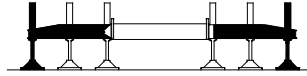


| Load<br>Radius<br>(ft) | 41.0 ft    |         |              | 50.0 ft    |        |              | 60.0 ft    |        |              | 70.0 ft    |        |              |
|------------------------|------------|---------|--------------|------------|--------|--------------|------------|--------|--------------|------------|--------|--------------|
|                        | $\angle$ ° | 360°    | Over<br>Rear | $\angle$ ° | 360°   | Over<br>Rear | $\angle$ ° | 360°   | Over<br>Rear | $\angle$ ° | 360°   | Over<br>Rear |
| 10                     | 70.0       | 125,700 | 125,700      | 74.0       | 89,000 | 89,000       | 77.0       | 77,000 | 77,000       | 79.0       | 74,400 | 74,400       |
| 12                     | 66.5       | 103,200 | 103,200      | 71.5       | 87,100 | 87,100       | 75.0       | 72,200 | 72,200       | 77.5       | 74,300 | 74,300       |
| 15                     | 62.0       | 80,500  | 80,500       | 68.0       | 80,000 | 80,000       | 72.0       | 66,000 | 66,000       | 75.0       | 68,700 | 68,700       |
| 20                     | 53.0       | 57,500  | 57,500       | 61.0       | 59,500 | 59,500       | 67.0       | 57,800 | 57,800       | 71.0       | 60,900 | 60,900       |
| 25                     | 43.0       | 43,600  | 43,600       | 54.0       | 45,600 | 45,600       | 61.5       | 46,700 | 46,700       | 66.0       | 47,200 | 47,200       |
| 30                     | 30.0       | 31,400  | 31,400       | 46.0       | 33,800 | 33,800       | 55.5       | 35,000 | 35,000       | 61.5       | 35,500 | 35,500       |
| 35                     |            |         |              | 36.5       | 25,300 | 25,500       | 49.0       | 26,500 | 26,600       | 56.0       | 27,000 | 27,100       |
| 40                     |            |         |              | 23.5       | 19,200 | 19,700       | 41.5       | 20,500 | 21,000       | 51.0       | 21,000 | 21,500       |
| 45                     |            |         |              |            |        |              | 33.0       | 16,200 | 16,900       | 45.0       | 16,700 | 17,400       |
| 50                     |            |         |              |            |        |              | 21.5       | 13,000 | 13,800       | 38.5       | 13,500 | 14,300       |
| 55                     |            |         |              |            |        |              |            |        |              | 30.5       | 11,100 | 11,900       |
| 60                     |            |         |              |            |        |              |            |        |              | 19.5       | 9,100  | 10,000       |
| Min.Bm.<br>Ang./Cap.   | 0.0        | 24,300  | 24,400       | 0.0        | 16,400 | 16,600       | 0.0        | 11,400 | 12,200       | 0.0        | 8,100  | 9,000        |
| Radius                 | 34.0       |         |              | 43.0       |        |              | 53.0       |        |              | 63.0       |        |              |

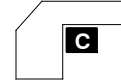
| Load<br>Radius<br>(ft) | 80.0 ft    |        |              | 90.0 ft    |        |              | 98.7 ft    |        |              |
|------------------------|------------|--------|--------------|------------|--------|--------------|------------|--------|--------------|
|                        | $\angle$ ° | 360°   | Over<br>Rear | $\angle$ ° | 360°   | Over<br>Rear | $\angle$ ° | 360°   | Over<br>Rear |
| 12                     | 79.5       | 62,800 | 62,800       |            |        |              |            |        |              |
| 15                     | 77.5       | 62,800 | 62,800       | 79.5       | 61,400 | 61,400       |            |        |              |
| 20                     | 74.0       | 60,800 | 60,800       | 76.5       | 57,100 | 57,100       | 78.0       | 47,900 | 47,900       |
| 25                     | 70.0       | 47,000 | 47,000       | 73.0       | 46,900 | 46,900       | 75.5       | 42,500 | 42,500       |
| 30                     | 65.5       | 35,200 | 35,200       | 69.0       | 35,000 | 35,000       | 72.0       | 34,900 | 34,900       |
| 35                     | 61.5       | 26,800 | 26,800       | 65.5       | 26,600 | 26,700       | 68.5       | 26,400 | 26,500       |
| 40                     | 57.0       | 20,700 | 21,300       | 61.5       | 20,500 | 21,100       | 65.0       | 20,400 | 21,000       |
| 45                     | 52.0       | 16,500 | 17,200       | 57.5       | 16,300 | 17,100       | 61.5       | 16,100 | 17,000       |
| 50                     | 47.5       | 13,300 | 14,200       | 53.5       | 13,100 | 14,000       | 57.5       | 13,000 | 13,900       |
| 55                     | 42.0       | 11,000 | 11,900       | 49.5       | 10,800 | 11,700       | 54.0       | 10,700 | 11,600       |
| 60                     | 35.5       | 9,100  | 9,900        | 44.5       | 8,900  | 9,800        | 50.0       | 8,800  | 9,700        |
| 65                     | 28.5       | 7,500  | 8,300        | 39.5       | 7,400  | 8,200        | 46.0       | 7,300  | 8,200        |
| 70                     | 18.5       | 6,100  | 7,000        | 33.5       | 6,100  | 6,900        | 41.5       | 6,000  | 6,900        |
| 75                     |            |        |              | 27.0       | 5,000  | 5,800        | 36.5       | 4,900  | 5,700        |
| 80                     |            |        |              | 17.5       | 4,000  | 4,800        | 31.0       | 4,000  | 4,700        |
| 85                     |            |        |              |            |        |              | 24.0       | 3,200  | 3,900        |
| 90                     |            |        |              |            |        |              | 13.5       | 2,400  | 3,200        |
| Min.Bm.<br>Ang./Cap.   | 0.0        | 5,400  | 6,200        | 0.0        | 3,500  | 4,300        | 0.0        | 2,200  | 2,900        |
| Radius                 | 73.0       |        |              | 83.0       |        |              | 91.7       |        |              |

**SN: P9L4-7599**

**Fixed Boom Lengths  
Rated Lifting Capacities  
In Pounds  
See Operation Note 10.**



**Full**



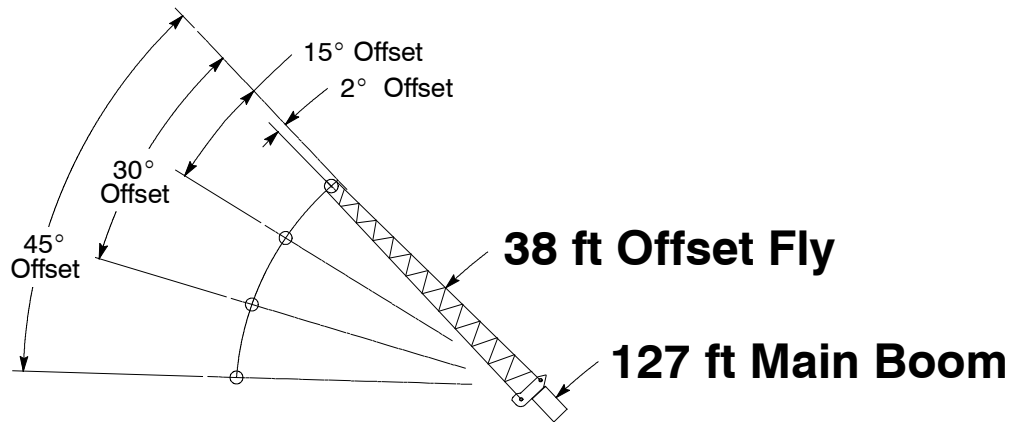
**2,200 lb**

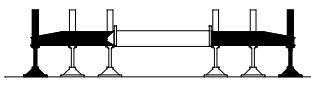
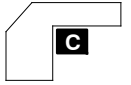


| Load Radius (ft)  | 41.0 ft    |         |           | 47.0 ft    |         |           |
|-------------------|------------|---------|-----------|------------|---------|-----------|
|                   | $\angle$ ° | 360°    | Over Rear | $\angle$ ° | 360°    | Over Rear |
| 10                | 70.0       | 125,700 | 125,700   | 73.0       | 110,700 | 110,700   |
| 12                | 66.5       | 103,200 | 103,200   | 70.0       | 104,600 | 104,600   |
| 15                | 62.0       | 80,500  | 80,500    | 66.0       | 81,900  | 81,900    |
| 20                | 53.0       | 57,500  | 57,500    | 59.0       | 58,900  | 58,900    |
| 25                | 43.0       | 43,600  | 43,600    | 51.0       | 45,000  | 45,000    |
| 30                | 30.0       | 31,400  | 31,400    | 42.0       | 33,200  | 33,200    |
| 35                |            |         |           | 30.5       | 24,700  | 24,800    |
| Min.Bm. Ang./Cap. | 0.0        | 24,300  | 24,400    | 0.0        | 18,500  | 18,700    |
| Radius            | 34.0       |         |           | 40.0       |         |           |

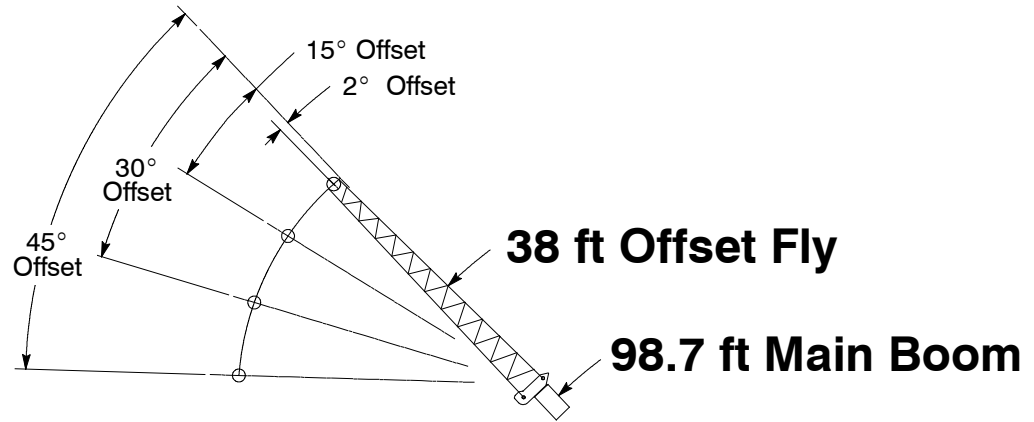
| Load Radius (ft)  | 61.3 ft    |         |           | 76.0 ft    |        |           |
|-------------------|------------|---------|-----------|------------|--------|-----------|
|                   | $\angle$ ° | 360°    | Over Rear | $\angle$ ° | 360°   | Over Rear |
| 10                | 77.5       | 106,900 | 106,900   |            |        |           |
| 12                | 75.5       | 105,400 | 105,400   | 79.0       | 81,000 | 81,000    |
| 15                | 72.5       | 83,100  | 83,100    | 77.0       | 77,400 | 77,400    |
| 20                | 67.5       | 60,200  | 60,200    | 72.5       | 60,100 | 60,100    |
| 25                | 62.0       | 46,300  | 46,300    | 68.5       | 46,300 | 46,300    |
| 30                | 56.0       | 34,600  | 34,600    | 64.0       | 34,400 | 34,400    |
| 35                | 50.0       | 26,100  | 26,200    | 59.5       | 25,900 | 26,000    |
| 40                | 43.0       | 20,100  | 20,700    | 55.0       | 19,900 | 20,500    |
| 45                | 35.0       | 15,800  | 16,500    | 49.5       | 15,700 | 16,500    |
| 50                | 24.5       | 12,700  | 13,400    | 44.0       | 12,600 | 13,500    |
| 55                |            |         |           | 38.0       | 10,200 | 11,100    |
| 60                |            |         |           | 31.0       | 8,300  | 9,200     |
| 65                |            |         |           | 21.5       | 6,700  | 7,600     |
| Min.Bm. Ang./Cap. | 0.0        | 10,500  | 11,300    | 0.0        | 5,600  | 6,500     |
| Radius            | 54.3       |         |           | 69.0       |        |           |

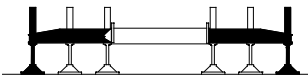
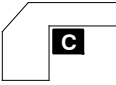
**SN: P9L4-7599**



| Rated Lifting Capacities<br>In Pounds        |                                                                                     |        | <br>Full |        | <br>2,200 lb |        |    |       |      |       |
|----------------------------------------------|-------------------------------------------------------------------------------------|--------|-------------------------------------------------------------------------------------------|--------|-------------------------------------------------------------------------------------------------|--------|---------------------------------------------------------------------------------------|-------|------|-------|
| Load<br>Radius<br>(ft)                       | 2° Offset                                                                           |        | 15° Offset                                                                                |        | 30° Offset                                                                                      |        | 45° Offset                                                                            |       |      |       |
|                                              |  ° | 360°   |  °       | 360°   |  °             | 360°   |  ° | 360°  |      |       |
| 35.0                                         | 79.5                                                                                | 10,900 |                                                                                           |        |                                                                                                 |        |                                                                                       |       |      |       |
| 40.0                                         | 78.0                                                                                | 10,900 |                                                                                           |        |                                                                                                 |        |                                                                                       |       |      |       |
| 45.0                                         | 76.5                                                                                | 10,900 |                                                                                           | 79.5   |                                                                                                 | 10,400 |                                                                                       |       |      |       |
| 50.0                                         | 75.0                                                                                | 10,900 | 78.0                                                                                      | 10,300 |                                                                                                 |        |                                                                                       |       |      |       |
| 55.0                                         | 73.5                                                                                | 10,900 |                                                                                           | 76.5   |                                                                                                 | 10,100 |                                                                                       |       | 79.5 | 9,100 |
| 60.0                                         | 71.5                                                                                | 10,600 |                                                                                           | 75.0   |                                                                                                 | 9,900  |                                                                                       |       | 77.5 | 8,900 |
| 65.0                                         | 69.5                                                                                | 8,900  | 73.0                                                                                      | 9,700  | 76.0                                                                                            | 8,700  | 78.0                                                                                  | 8,100 |      |       |
| 70.0                                         | 67.5                                                                                | 7,600  |                                                                                           | 70.5   |                                                                                                 | 8,300  | 74.0                                                                                  | 8,600 | 76.5 | 8,000 |
| 75.0                                         | 65.0                                                                                | 6,500  |                                                                                           | 68.0   |                                                                                                 | 7,100  | 72.0                                                                                  | 7,800 | 74.5 | 7,900 |
| 80.0                                         | 62.5                                                                                | 5,500  | 66.0                                                                                      | 6,100  | 69.5                                                                                            | 6,700  | 72.0                                                                                  | 7,100 |      |       |
| 85.0                                         | 60.5                                                                                | 4,700  | 64.0                                                                                      | 5,200  | 67.0                                                                                            | 5,700  | 69.5                                                                                  | 6,100 |      |       |
| 90.0                                         | 58.0                                                                                | 4,000  | 61.0                                                                                      | 4,400  | 64.5                                                                                            | 4,900  | 67.0                                                                                  | 5,300 |      |       |
| 95.0                                         | 56.0                                                                                | 3,300  | 58.5                                                                                      | 3,800  | 61.5                                                                                            | 4,200  | 64.0                                                                                  | 4,500 |      |       |
| 100.0                                        | 53.0                                                                                | 2,800  | 56.5                                                                                      | 3,200  | 59.5                                                                                            | 3,500  | 61.5                                                                                  | 3,800 |      |       |
| 105.0                                        | 51.0                                                                                | 2,300  | 53.5                                                                                      | 2,600  | 56.5                                                                                            | 3,000  | 58.0                                                                                  | 3,200 |      |       |
| 110.0                                        | 47.5                                                                                | 1,800  | 51.0                                                                                      | 2,100  | 53.5                                                                                            | 2,400  | 55.5                                                                                  | 2,600 |      |       |
| 115.0                                        | 45.0                                                                                | 1,400  | 48.0                                                                                      | 1,700  | 51.0                                                                                            | 2,000  | 52.5                                                                                  | 2,100 |      |       |
| 120.0                                        | 41.5                                                                                | 1,000  | 45.0                                                                                      | 1,300  | 47.5                                                                                            | 1,500  | 48.5                                                                                  | 1,700 |      |       |
| 125.0                                        |                                                                                     |        | 41.0                                                                                      | 900    | 43.5                                                                                            | 1,100  | 45.5                                                                                  | 1,200 |      |       |
| Min.Bm.<br>Ang./Cap.                         | 40.0                                                                                |        | 40.5                                                                                      |        | 40.5                                                                                            |        | 41.0                                                                                  |       |      |       |
| Radius (ft)                                  | 122.5                                                                               |        | 125.8                                                                                     |        | 129.2                                                                                           |        | 129.4                                                                                 |       |      |       |
| Maximum Boom Length At<br>0° Boom Angle (ft) |                                                                                     | 96     |                                                                                           |        |                                                                                                 |        |                                                                                       |       |      |       |

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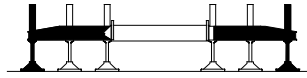
| Rated Lifting Capacities<br>In Pounds        |                                                                                     |        | <br>Full |        | <br>2,200 lb |        |    |       |
|----------------------------------------------|-------------------------------------------------------------------------------------|--------|-------------------------------------------------------------------------------------------|--------|-------------------------------------------------------------------------------------------------|--------|---------------------------------------------------------------------------------------|-------|
| Load<br>Radius<br>(ft)                       | 2° Offset                                                                           |        | 15° Offset                                                                                |        | 30° Offset                                                                                      |        | 45° Offset                                                                            |       |
|                                              |  ° | 360°   |  °       | 360°   |  °            | 360°   |  ° | 360°  |
| 30.0                                         | 78.0                                                                                | 16,200 |                                                                                           | 12,500 |                                                                                                 |        |                                                                                       |       |
| 35.0                                         | 76.0                                                                                | 15,600 |                                                                                           |        |                                                                                                 |        |                                                                                       |       |
| 40.0                                         | 74.0                                                                                | 14,900 |                                                                                           |        |                                                                                                 |        |                                                                                       |       |
| 45.0                                         | 72.0                                                                                | 14,300 | 75.0                                                                                      | 12,000 | 78.5                                                                                            | 10,100 |                                                                                       |       |
| 50.0                                         | 69.5                                                                                | 13,600 |                                                                                           |        |                                                                                                 |        |                                                                                       |       |
| 55.0                                         | 67.0                                                                                | 12,300 |                                                                                           |        |                                                                                                 |        |                                                                                       |       |
| 60.0                                         | 64.5                                                                                | 10,300 | 68.5                                                                                      | 10,700 | 72.0                                                                                            | 9,300  | 74.5                                                                                  | 8,400 |
| 65.0                                         | 62.0                                                                                | 8,700  |                                                                                           |        |                                                                                                 |        |                                                                                       |       |
| 70.0                                         | 59.0                                                                                | 7,300  |                                                                                           |        |                                                                                                 |        |                                                                                       |       |
| 75.0                                         | 56.0                                                                                | 6,200  | 60.0                                                                                      | 6,800  | 64.0                                                                                            | 7,500  | 66.5                                                                                  | 7,900 |
| 80.0                                         | 53.5                                                                                | 5,300  |                                                                                           |        |                                                                                                 |        |                                                                                       |       |
| 85.0                                         | 50.5                                                                                | 4,400  |                                                                                           |        |                                                                                                 |        |                                                                                       |       |
| 90.0                                         | 47.0                                                                                | 3,700  | 51.0                                                                                      | 4,200  | 54.5                                                                                            | 4,600  | 56.5                                                                                  | 4,900 |
| 95.0                                         | 44.0                                                                                | 3,100  |                                                                                           |        |                                                                                                 |        |                                                                                       |       |
| 100.0                                        | 40.5                                                                                | 2,500  |                                                                                           |        |                                                                                                 |        |                                                                                       |       |
| 105.0                                        | 37.0                                                                                | 2,000  | 40.0                                                                                      | 2,300  | 43.0                                                                                            | 2,600  |                                                                                       |       |
| 110.0                                        | 31.5                                                                                | 1,600  |                                                                                           |        |                                                                                                 |        |                                                                                       |       |
| 115.0                                        | 27.0                                                                                | 1,200  |                                                                                           |        |                                                                                                 |        |                                                                                       |       |
| 120.0                                        |                                                                                     |        | 25.0                                                                                      | 1,000  |                                                                                                 |        |                                                                                       |       |
| Min.Bm.<br>Ang./Cap.                         | 22.5                                                                                |        | 22.0                                                                                      |        | 21.5                                                                                            |        | 17.0                                                                                  |       |
| Radius (ft)                                  | 119.4                                                                               |        | 121.9                                                                                     |        | 122.5                                                                                           |        | 119.9                                                                                 |       |
| Maximum Boom Length At<br>0° Boom Angle (ft) |                                                                                     | 94     |                                                                                           |        |                                                                                                 |        |                                                                                       |       |

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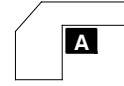
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**Rated Lifting Capacities  
In Pounds**



Full



3,600 lb



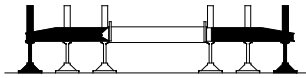
| Load Radius (ft)  | 41.0 ft    |         |           | 50.0 ft    |        |           | 60.0 ft    |        |           |
|-------------------|------------|---------|-----------|------------|--------|-----------|------------|--------|-----------|
|                   | $\angle$ ° | 360°    | Over Rear | $\angle$ ° | 360°   | Over Rear | $\angle$ ° | 360°   | Over Rear |
| 10                | 70.0       | 129,100 | 129,100   | 74.0       | 89,000 | 89,000    | 77.0       | 62,900 | 62,900    |
| 12                | 66.5       | 106,100 | 106,100   | 71.5       | 87,100 | 87,100    | 75.0       | 58,500 | 58,500    |
| 15                | 62.0       | 82,800  | 82,800    | 68.0       | 80,000 | 80,000    | 72.0       | 53,000 | 53,000    |
| 20                | 53.0       | 59,300  | 59,300    | 61.0       | 61,200 | 61,200    | 67.0       | 45,700 | 45,700    |
| 25                | 43.0       | 45,000  | 45,000    | 54.0       | 47,000 | 47,000    | 61.5       | 40,200 | 40,200    |
| 30                | 30.0       | 33,900  | 33,900    | 46.0       | 36,300 | 36,300    | 55.5       | 35,900 | 35,900    |
| 35                |            |         |           | 36.5       | 27,400 | 27,400    | 49.0       | 29,000 | 29,000    |
| 40                |            |         |           | 24.0       | 21,200 | 21,400    | 42.0       | 22,800 | 23,000    |
| 45                |            |         |           |            |        |           | 33.5       | 18,300 | 18,600    |
| 50                |            |         |           |            |        |           | 21.5       | 14,800 | 15,300    |
| Min.Bm. Ang./Cap. | 0.0        | 25,500  | 25,500    | 0.0        | 16,600 | 16,600    | 0.0        | 11,500 | 11,500    |
| Radius (ft)       | 34.0       |         |           | 43.0       |        |           | 53.0       |        |           |

| Load Radius (ft)  | 70.0 ft    |        |           | 80.0 ft    |        |           | 90.0 ft    |        |           |
|-------------------|------------|--------|-----------|------------|--------|-----------|------------|--------|-----------|
|                   | $\angle$ ° | 360°   | Over Rear | $\angle$ ° | 360°   | Over Rear | $\angle$ ° | 360°   | Over Rear |
| 10                | 79.0       | 49,800 | 49,800    |            |        |           |            |        |           |
| 12                | 77.5       | 46,500 | 46,500    | 79.5       | 42,400 | 42,400    |            |        |           |
| 15                | 75.0       | 42,200 | 42,200    | 77.5       | 42,400 | 42,400    | 79.0       | 36,700 | 36,700    |
| 20                | 70.5       | 36,400 | 36,400    | 73.5       | 37,900 | 37,900    | 76.0       | 36,700 | 36,700    |
| 25                | 66.0       | 31,900 | 31,900    | 70.0       | 33,800 | 33,800    | 73.0       | 34,500 | 34,500    |
| 30                | 61.5       | 28,400 | 28,400    | 66.0       | 30,300 | 30,300    | 69.5       | 30,700 | 30,700    |
| 35                | 56.5       | 25,600 | 25,600    | 62.0       | 27,500 | 27,500    | 66.0       | 27,700 | 27,700    |
| 40                | 51.5       | 23,200 | 23,200    | 57.5       | 24,100 | 24,200    | 62.5       | 24,300 | 24,400    |
| 45                | 45.5       | 19,200 | 19,600    | 53.0       | 19,400 | 19,900    | 58.5       | 19,600 | 20,000    |
| 50                | 39.0       | 15,800 | 16,300    | 48.0       | 16,000 | 16,600    | 54.0       | 16,200 | 16,800    |
| 55                | 31.0       | 13,100 | 13,700    | 42.5       | 13,400 | 14,000    | 50.0       | 13,600 | 14,200    |
| 60                | 20.0       | 11,000 | 11,700    | 36.5       | 11,400 | 12,000    | 45.0       | 11,600 | 12,300    |
| 65                |            |        |           | 29.0       | 9,700  | 10,300    | 40.0       | 9,900  | 10,500    |
| 70                |            |        |           | 19.0       | 8,200  | 8,900     | 34.5       | 8,500  | 9,100     |
| 75                |            |        |           |            |        |           | 27.5       | 7,300  | 7,900     |
| 80                |            |        |           |            |        |           | 18.0       | 6,200  | 6,900     |
| Min.Bm. Ang./Cap. | 0.0        | 8,600  | 8,600     | 0.0        | 7,300  | 7,300     | 0.0        | 5,700  | 6,200     |
| Radius (ft)       | 63.0       |        |           | 73.0       |        |           | 83.0       |        |           |

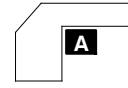
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**Rated Lifting Capacities  
In Pounds**



**Full**



**3,600 lb**

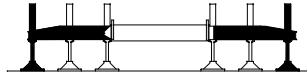


| Load<br>Radius<br>(ft) | 100.0 ft   |        |              | 110.0 ft   |        |              |
|------------------------|------------|--------|--------------|------------|--------|--------------|
|                        | $\angle$ ° | 360°   | Over<br>Rear | $\angle$ ° | 360°   | Over<br>Rear |
| 20                     | 77.5       | 30,700 | 30,700       | 79.0       | 29,100 | 29,100       |
| 25                     | 75.0       | 30,700 | 30,700       | 77.0       | 29,100 | 29,100       |
| 30                     | 72.0       | 28,400 | 28,400       | 74.5       | 29,100 | 29,100       |
| 35                     | 69.0       | 25,700 | 25,700       | 72.0       | 26,600 | 26,600       |
| 40                     | 66.0       | 23,400 | 23,400       | 69.0       | 24,000 | 24,100       |
| 45                     | 62.5       | 19,700 | 20,100       | 66.0       | 19,400 | 19,800       |
| 50                     | 59.0       | 16,200 | 16,800       | 62.5       | 16,000 | 16,500       |
| 55                     | 55.0       | 13,600 | 14,200       | 59.5       | 13,300 | 14,000       |
| 60                     | 51.5       | 11,600 | 12,300       | 56.0       | 11,400 | 12,100       |
| 65                     | 47.0       | 9,900  | 10,600       | 52.5       | 9,700  | 10,400       |
| 70                     | 43.0       | 8,500  | 9,200        | 49.0       | 8,300  | 9,000        |
| 75                     | 38.0       | 7,300  | 8,000        | 45.0       | 7,100  | 7,800        |
| 80                     | 32.5       | 6,300  | 6,900        | 41.0       | 6,100  | 6,800        |
| 85                     | 26.0       | 5,400  | 6,000        | 36.5       | 5,200  | 5,900        |
| 90                     | 17.0       | 4,700  | 5,200        | 31.0       | 4,500  | 5,100        |
| 95                     |            |        |              | 25.0       | 3,800  | 4,400        |
| 100                    |            |        |              | 16.5       | 3,200  | 3,800        |
| Min.Bm.<br>Ang./Cap.   | 0.0        | 4,300  | 4,800        | 0.0        | 2,900  | 3,400        |
| Radius (ft)            | 93.0       |        |              | 103.0      |        |              |

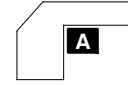
| Load<br>Radius<br>(ft) | 120.0 ft   |        |              | 127.0 ft   |        |              |
|------------------------|------------|--------|--------------|------------|--------|--------------|
|                        | $\angle$ ° | 360°   | Over<br>Rear | $\angle$ ° | 360°   | Over<br>Rear |
| 25                     | 78.5       | 25,500 | 25,500       | 79.0       | 22,600 | 22,600       |
| 30                     | 76.5       | 25,500 | 25,500       | 77.0       | 22,600 | 22,600       |
| 35                     | 74.0       | 25,500 | 25,500       | 75.5       | 22,600 | 22,600       |
| 40                     | 71.5       | 23,800 | 23,900       | 73.5       | 22,600 | 22,600       |
| 45                     | 68.5       | 19,100 | 19,600       | 70.5       | 19,000 | 19,400       |
| 50                     | 66.0       | 15,700 | 16,300       | 68.0       | 15,600 | 16,200       |
| 55                     | 63.0       | 13,100 | 13,800       | 65.0       | 12,900 | 13,600       |
| 60                     | 60.0       | 11,100 | 11,800       | 62.0       | 11,000 | 11,700       |
| 65                     | 57.0       | 9,500  | 10,200       | 59.5       | 9,300  | 10,100       |
| 70                     | 53.5       | 8,100  | 8,800        | 56.5       | 7,900  | 8,700        |
| 75                     | 50.5       | 6,900  | 7,600        | 53.5       | 6,800  | 7,500        |
| 80                     | 47.0       | 5,900  | 6,600        | 50.5       | 5,800  | 6,500        |
| 85                     | 43.0       | 5,000  | 5,700        | 47.0       | 4,900  | 5,600        |
| 90                     | 39.5       | 4,300  | 4,900        | 43.5       | 4,200  | 4,800        |
| 95                     | 35.0       | 3,600  | 4,200        | 40.0       | 3,500  | 4,100        |
| 100                    | 30.0       | 3,000  | 3,600        | 36.0       | 2,900  | 3,500        |
| 105                    | 24.0       | 2,500  | 3,000        | 31.5       | 2,400  | 3,000        |
| 110                    | 16.0       | 2,000  | 2,600        | 26.0       | 1,900  | 2,500        |
| 115                    |            |        |              | 19.0       | 1,500  | 2,000        |
| Min.Bm.<br>Ang./Cap.   | 0.0        | 1,800  | 2,300        | 0.0        | 1,100  | 1,600        |
| Radius (ft)            | 113.0      |        |              | 120.0      |        |              |

**SN: P9L4-7599**

**Rated Lifting Capacities  
In Pounds**



**Full**



**3,600 lb**

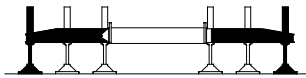


| Load<br>Radius<br>(ft) | 41.0 ft    |         |              | 50.0 ft    |        |              | 60.0 ft    |        |              | 70.0 ft    |        |              |
|------------------------|------------|---------|--------------|------------|--------|--------------|------------|--------|--------------|------------|--------|--------------|
|                        | $\angle$ ° | 360°    | Over<br>Rear | $\angle$ ° | 360°   | Over<br>Rear | $\angle$ ° | 360°   | Over<br>Rear | $\angle$ ° | 360°   | Over<br>Rear |
| 10                     | 70.0       | 129,100 | 129,100      | 74.0       | 89,000 | 89,000       | 77.0       | 77,000 | 77,000       | 79.5       | 74,000 | 74,000       |
| 12                     | 66.5       | 106,100 | 106,100      | 71.5       | 87,100 | 87,100       | 75.0       | 72,200 | 72,200       | 77.5       | 74,000 | 74,000       |
| 15                     | 62.0       | 82,800  | 82,800       | 68.0       | 80,000 | 80,000       | 72.0       | 66,000 | 66,000       | 75.0       | 68,500 | 68,500       |
| 20                     | 53.0       | 59,300  | 59,300       | 61.0       | 61,200 | 61,200       | 67.0       | 57,800 | 57,800       | 71.0       | 60,800 | 60,800       |
| 25                     | 43.0       | 45,000  | 45,000       | 54.0       | 47,000 | 47,000       | 61.5       | 48,100 | 48,100       | 66.5       | 48,600 | 48,600       |
| 30                     | 30.0       | 33,900  | 33,900       | 46.0       | 36,300 | 36,300       | 55.5       | 37,500 | 37,500       | 61.5       | 38,100 | 38,100       |
| 35                     |            |         |              | 36.5       | 27,400 | 27,400       | 49.0       | 28,700 | 28,700       | 56.5       | 29,100 | 29,100       |
| 40                     |            |         |              | 24.0       | 21,200 | 21,400       | 42.0       | 22,500 | 22,700       | 51.0       | 23,000 | 23,200       |
| 45                     |            |         |              |            |        |              | 33.0       | 17,900 | 18,300       | 45.0       | 18,400 | 18,900       |
| 50                     |            |         |              |            |        |              | 21.5       | 14,500 | 15,000       | 38.5       | 15,100 | 15,600       |
| 55                     |            |         |              |            |        |              |            |        |              | 30.5       | 12,500 | 13,100       |
| 60                     |            |         |              |            |        |              |            |        |              | 20.0       | 10,400 | 11,000       |
| Min.Bm.<br>Ang./Cap.   | 0.0        | 25,500  | 25,500       | 0.0        | 16,600 | 16,600       | 0.0        | 12,400 | 12,400       | 0.0        | 9,300  | 10,000       |
| Radius (ft)            | 34.0       |         |              | 43.0       |        |              | 53.0       |        |              | 63.0       |        |              |

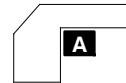
| Load<br>Radius<br>(ft) | 80.0 ft    |        |              | 90.0 ft    |        |              | 100.0 ft   |        |              | 113.1 ft   |        |              |
|------------------------|------------|--------|--------------|------------|--------|--------------|------------|--------|--------------|------------|--------|--------------|
|                        | $\angle$ ° | 360°   | Over<br>Rear | $\angle$ ° | 360°   | Over<br>Rear | $\angle$ ° | 360°   | Over<br>Rear | $\angle$ ° | 360°   | Over<br>Rear |
| 12                     | 79.5       | 57,000 | 57,000       |            |        |              |            |        |              |            |        |              |
| 15                     | 77.5       | 51,900 | 51,900       | 79.5       | 48,700 | 48,700       |            |        |              |            |        |              |
| 20                     | 73.5       | 44,900 | 44,900       | 76.0       | 42,800 | 42,800       | 78.5       | 42,500 | 42,500       |            |        |              |
| 25                     | 70.0       | 39,500 | 39,500       | 73.0       | 38,100 | 38,100       | 75.5       | 38,300 | 38,300       | 78.0       | 32,800 | 32,800       |
| 30                     | 66.0       | 35,100 | 35,100       | 69.5       | 34,100 | 34,100       | 72.5       | 34,800 | 34,800       | 75.5       | 32,100 | 32,100       |
| 35                     | 62.0       | 29,500 | 29,500       | 66.0       | 29,400 | 29,400       | 69.0       | 29,200 | 29,200       | 73.0       | 28,900 | 28,900       |
| 40                     | 57.5       | 23,400 | 23,600       | 62.0       | 23,400 | 23,500       | 65.5       | 23,100 | 23,300       | 70.0       | 22,900 | 23,100       |
| 45                     | 52.5       | 18,800 | 19,300       | 58.0       | 18,700 | 19,200       | 62.0       | 18,500 | 19,000       | 66.5       | 18,300 | 18,800       |
| 50                     | 47.5       | 15,400 | 16,000       | 54.0       | 15,300 | 16,000       | 58.5       | 15,100 | 15,800       | 63.5       | 14,900 | 15,500       |
| 55                     | 42.0       | 12,800 | 13,500       | 49.5       | 12,700 | 13,400       | 55.0       | 12,600 | 13,200       | 60.5       | 12,400 | 13,000       |
| 60                     | 36.0       | 10,800 | 11,500       | 45.0       | 10,800 | 11,500       | 51.0       | 10,600 | 11,300       | 57.0       | 10,400 | 11,100       |
| 65                     | 29.0       | 9,100  | 9,800        | 40.0       | 9,100  | 9,800        | 47.0       | 8,900  | 9,600        | 54.0       | 8,700  | 9,500        |
| 70                     | 18.5       | 7,700  | 8,300        | 34.0       | 7,700  | 8,400        | 42.5       | 7,500  | 8,200        | 50.5       | 7,300  | 8,100        |
| 75                     |            |        |              | 27.0       | 6,500  | 7,200        | 38.0       | 6,400  | 7,000        | 47.0       | 6,200  | 6,900        |
| 80                     |            |        |              | 17.5       | 5,500  | 6,100        | 32.5       | 5,400  | 6,000        | 43.0       | 5,200  | 5,900        |
| 85                     |            |        |              |            |        |              | 26.0       | 4,500  | 5,100        | 38.5       | 4,300  | 5,000        |
| 90                     |            |        |              |            |        |              | 17.0       | 3,700  | 4,300        | 34.0       | 3,600  | 4,200        |
| 95                     |            |        |              |            |        |              |            |        |              | 28.5       | 2,900  | 3,500        |
| 100                    |            |        |              |            |        |              |            |        |              | 22.0       | 2,300  | 2,900        |
| 105                    |            |        |              |            |        |              |            |        |              | 11.0       | 1,800  | 2,400        |
| Min.Bm.<br>Ang./Cap.   | 0.0        | 6,900  | 7,600        | 0.0        | 4,900  | 5,600        | 0.0        | 3,300  | 3,900        | 0.0        | 1,700  | 2,300        |
| Radius (ft)            | 73.0       |        |              | 83.0       |        |              | 93.0       |        |              | 106.1      |        |              |

**SN: P9L4-7599**

**Rated Lifting Capacities  
In Pounds**



**Full**



**3,600 lb**

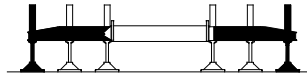


| Load Radius (ft)  | 41.0 ft    |         |           | 50.0 ft    |        |           | 60.0 ft    |        |           | 70.0 ft    |        |           |
|-------------------|------------|---------|-----------|------------|--------|-----------|------------|--------|-----------|------------|--------|-----------|
|                   | $\angle$ ° | 360°    | Over Rear | $\angle$ ° | 360°   | Over Rear | $\angle$ ° | 360°   | Over Rear | $\angle$ ° | 360°   | Over Rear |
| 10                | 70.0       | 129,100 | 129,100   | 74.0       | 89,000 | 89,000    | 77.0       | 77,000 | 77,000    | 79.5       | 74,400 | 74,400    |
| 12                | 66.5       | 106,100 | 106,100   | 71.5       | 87,100 | 87,100    | 75.0       | 72,200 | 72,200    | 77.5       | 74,300 | 74,300    |
| 15                | 62.0       | 82,800  | 82,800    | 68.0       | 80,000 | 80,000    | 72.0       | 66,000 | 66,000    | 75.0       | 68,700 | 68,700    |
| 20                | 53.0       | 59,300  | 59,300    | 61.0       | 61,200 | 61,200    | 67.0       | 57,800 | 57,800    | 71.0       | 60,900 | 60,900    |
| 25                | 43.0       | 45,000  | 45,000    | 54.0       | 47,000 | 47,000    | 61.5       | 48,100 | 48,100    | 66.5       | 48,600 | 48,600    |
| 30                | 30.0       | 33,900  | 33,900    | 46.0       | 36,300 | 36,300    | 55.5       | 37,500 | 37,500    | 61.5       | 38,000 | 38,000    |
| 35                |            |         |           | 36.5       | 27,400 | 27,400    | 49.0       | 28,700 | 28,700    | 56.5       | 29,100 | 29,100    |
| 40                |            |         |           | 24.0       | 21,200 | 21,400    | 42.0       | 22,500 | 22,700    | 51.0       | 23,000 | 23,200    |
| 45                |            |         |           |            |        |           | 33.0       | 17,900 | 18,300    | 45.0       | 18,400 | 18,900    |
| 50                |            |         |           |            |        |           | 21.5       | 14,500 | 15,000    | 38.5       | 15,000 | 15,600    |
| 55                |            |         |           |            |        |           |            |        |           | 30.5       | 12,500 | 13,000    |
| 60                |            |         |           |            |        |           |            |        |           | 20.0       | 10,300 | 11,000    |
| Min.Bm. Ang./Cap. | 0.0        | 25,500  | 25,500    | 0.0        | 16,600 | 16,600    | 0.0        | 12,400 | 12,400    | 0.0        | 9,200  | 9,900     |
| Radius (ft)       | 34.0       |         |           | 43.0       |        |           | 53.0       |        |           | 63.0       |        |           |

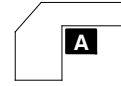
| Load Radius (ft)  | 80.0 ft    |        |           | 90.0 ft    |        |           | 98.7 ft    |        |           |
|-------------------|------------|--------|-----------|------------|--------|-----------|------------|--------|-----------|
|                   | $\angle$ ° | 360°   | Over Rear | $\angle$ ° | 360°   | Over Rear | $\angle$ ° | 360°   | Over Rear |
| 12                | 79.5       | 62,800 | 62,800    |            |        |           |            |        |           |
| 15                | 77.5       | 62,800 | 62,800    | 79.5       | 61,400 | 61,400    |            |        |           |
| 20                | 74.0       | 62,500 | 62,500    | 76.5       | 57,100 | 57,100    | 78.0       | 47,900 | 47,900    |
| 25                | 70.0       | 48,400 | 48,400    | 73.0       | 48,200 | 48,200    | 75.5       | 42,500 | 42,500    |
| 30                | 66.0       | 37,700 | 37,700    | 69.5       | 37,500 | 37,500    | 72.0       | 37,400 | 37,400    |
| 35                | 61.5       | 28,900 | 28,900    | 65.5       | 28,700 | 28,700    | 68.5       | 28,500 | 28,500    |
| 40                | 57.0       | 22,800 | 23,000    | 62.0       | 22,600 | 22,800    | 65.0       | 22,400 | 22,700    |
| 45                | 52.5       | 18,200 | 18,700    | 58.0       | 18,000 | 18,500    | 61.5       | 17,900 | 18,400    |
| 50                | 47.5       | 14,800 | 15,500    | 53.5       | 14,600 | 15,300    | 58.0       | 14,500 | 15,200    |
| 55                | 42.0       | 12,300 | 12,900    | 49.5       | 12,100 | 12,800    | 54.5       | 12,000 | 12,800    |
| 60                | 36.0       | 10,200 | 10,900    | 45.0       | 10,100 | 10,900    | 50.5       | 10,000 | 10,800    |
| 65                | 28.5       | 8,500  | 9,200     | 39.5       | 8,400  | 9,200     | 46.0       | 8,300  | 9,100     |
| 70                | 18.5       | 7,100  | 7,800     | 34.0       | 7,100  | 7,700     | 41.5       | 7,000  | 7,700     |
| 75                |            |        |           | 27.0       | 5,900  | 6,500     | 37.0       | 5,800  | 6,500     |
| 80                |            |        |           | 17.5       | 4,900  | 5,500     | 31.0       | 4,800  | 5,500     |
| 85                |            |        |           |            |        |           | 24.0       | 3,900  | 4,600     |
| 90                |            |        |           |            |        |           | 13.5       | 3,200  | 3,800     |
| Min.Bm. Ang./Cap. | 0.0        | 6,400  | 7,000     | 0.0        | 4,300  | 5,000     | 0.0        | 2,900  | 3,600     |
| Radius (ft)       | 73.0       |        |           | 83.0       |        |           | 91.7       |        |           |

**SN: P9L4-7599**

**Fixed Boom Lengths  
Rated Lifting Capacities  
In Pounds  
See Operation Note 10.**



**Full**



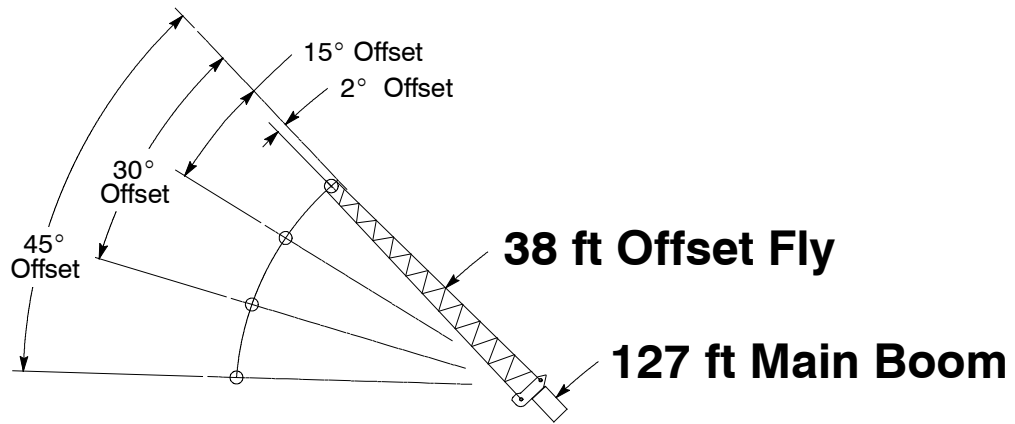
**3,600 lb**

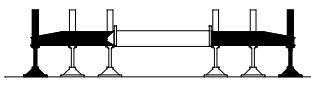
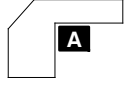


| Load Radius (ft)  | 41.0 ft    |         |           | 47.0 ft    |         |           |
|-------------------|------------|---------|-----------|------------|---------|-----------|
|                   | $\angle$ ° | 360°    | Over Rear | $\angle$ ° | 360°    | Over Rear |
| 10                | 70.0       | 129,100 | 129,100   | 73.0       | 110,700 | 110,700   |
| 12                | 66.5       | 106,100 | 106,100   | 70.0       | 105,000 | 105,000   |
| 15                | 62.0       | 82,800  | 82,800    | 66.0       | 84,200  | 84,200    |
| 20                | 53.0       | 59,300  | 59,300    | 59.0       | 60,700  | 60,700    |
| 25                | 43.0       | 45,000  | 45,000    | 51.0       | 46,400  | 46,400    |
| 30                | 30.0       | 33,900  | 33,900    | 42.0       | 35,700  | 35,700    |
| 35                |            |         |           | 30.5       | 26,700  | 26,700    |
| Min.Bm. Ang./Cap. | 0.0        | 25,500  | 25,500    | 0.0        | 18,900  | 18,900    |
| Radius (ft)       | 34.0       |         |           | 40.0       |         |           |

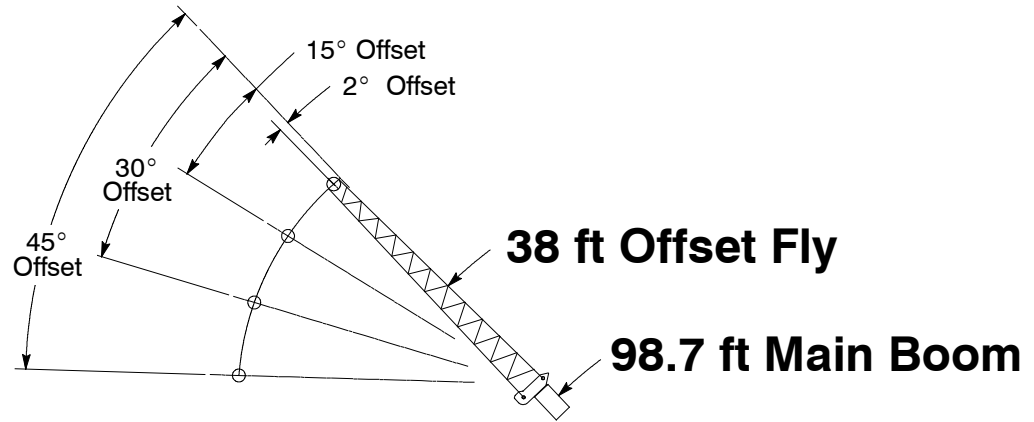
| Load Radius (ft)  | 61.3 ft    |         |           | 76.0 ft    |        |           |
|-------------------|------------|---------|-----------|------------|--------|-----------|
|                   | $\angle$ ° | 360°    | Over Rear | $\angle$ ° | 360°   | Over Rear |
| 10                | 77.5       | 106,900 | 106,900   |            |        |           |
| 12                | 75.5       | 106,900 | 106,900   | 79.0       | 81,000 | 81,000    |
| 15                | 72.5       | 85,300  | 85,300    | 77.0       | 77,400 | 77,400    |
| 20                | 67.5       | 62,000  | 62,000    | 73.0       | 61,800 | 61,800    |
| 25                | 62.0       | 47,700  | 47,700    | 68.5       | 47,700 | 47,700    |
| 30                | 56.0       | 37,100  | 37,100    | 64.0       | 36,900 | 36,900    |
| 35                | 50.0       | 28,200  | 28,200    | 59.5       | 28,100 | 28,100    |
| 40                | 43.0       | 22,100  | 22,400    | 55.0       | 21,900 | 22,200    |
| 45                | 35.0       | 17,500  | 18,000    | 50.0       | 17,400 | 18,000    |
| 50                | 24.5       | 14,100  | 14,700    | 44.5       | 14,000 | 14,800    |
| 55                |            |         |           | 38.0       | 11,500 | 12,300    |
| 60                |            |         |           | 31.0       | 9,500  | 10,200    |
| 65                |            |         |           | 21.5       | 7,800  | 8,500     |
| Min.Bm. Ang./Cap. | 0.0        | 11,800  | 12,500    | 0.0        | 6,600  | 7,300     |
| Radius (ft)       | 54.3       |         |           | 69.0       |        |           |

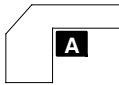
**SN: P9L4-7599**



| Rated Lifting Capacities<br>In Pounds        |                                                                                     |        | <br>Full |        | <br>3,600 lb |       |    |       |
|----------------------------------------------|-------------------------------------------------------------------------------------|--------|-------------------------------------------------------------------------------------------|--------|-------------------------------------------------------------------------------------------------|-------|---------------------------------------------------------------------------------------|-------|
| Load<br>Radius<br>(ft)                       | 2° Offset                                                                           |        | 15° Offset                                                                                |        | 30° Offset                                                                                      |       | 45° Offset                                                                            |       |
|                                              |  ° | 360°   |  °       | 360°   |  °             | 360°  |  ° | 360°  |
| 35                                           | 79.5                                                                                | 10,900 |                                                                                           |        |                                                                                                 |       |                                                                                       |       |
| 40                                           | 78.0                                                                                | 10,900 |                                                                                           |        |                                                                                                 |       |                                                                                       |       |
| 45                                           | 76.5                                                                                | 10,900 | 79.5                                                                                      | 10,400 |                                                                                                 |       |                                                                                       |       |
| 50                                           | 75.0                                                                                | 10,900 | 78.0                                                                                      | 10,300 |                                                                                                 |       |                                                                                       |       |
| 55                                           | 73.5                                                                                | 10,900 | 76.5                                                                                      | 10,100 | 79.5                                                                                            | 9,100 |                                                                                       |       |
| 60                                           | 72.0                                                                                | 10,900 | 75.0                                                                                      | 9,900  | 77.5                                                                                            | 8,900 |                                                                                       |       |
| 65                                           | 70.0                                                                                | 10,000 | 73.0                                                                                      | 9,700  | 76.0                                                                                            | 8,700 | 78.0                                                                                  | 8,100 |
| 70                                           | 68.0                                                                                | 8,600  | 71.5                                                                                      | 9,300  | 74.0                                                                                            | 8,600 | 76.5                                                                                  | 8,000 |
| 75                                           | 65.5                                                                                | 7,400  | 69.0                                                                                      | 8,000  | 72.5                                                                                            | 8,500 | 74.5                                                                                  | 7,900 |
| 80                                           | 63.5                                                                                | 6,300  | 66.5                                                                                      | 6,900  | 70.0                                                                                            | 7,500 | 72.5                                                                                  | 7,700 |
| 85                                           | 61.0                                                                                | 5,500  | 64.5                                                                                      | 6,000  | 67.5                                                                                            | 6,500 | 70.0                                                                                  | 6,900 |
| 90                                           | 58.5                                                                                | 4,700  | 62.0                                                                                      | 5,200  | 65.0                                                                                            | 5,600 | 67.5                                                                                  | 6,000 |
| 95                                           | 56.5                                                                                | 4,000  | 59.5                                                                                      | 4,400  | 62.5                                                                                            | 4,900 | 65.0                                                                                  | 5,200 |
| 100                                          | 54.0                                                                                | 3,400  | 57.0                                                                                      | 3,800  | 60.0                                                                                            | 4,200 | 62.0                                                                                  | 4,500 |
| 105                                          | 51.5                                                                                | 2,900  | 54.5                                                                                      | 3,200  | 57.0                                                                                            | 3,600 | 59.0                                                                                  | 3,800 |
| 110                                          | 48.5                                                                                | 2,400  | 51.5                                                                                      | 2,700  | 54.5                                                                                            | 3,000 | 56.0                                                                                  | 3,200 |
| 115                                          | 46.0                                                                                | 2,000  | 49.0                                                                                      | 2,300  | 51.5                                                                                            | 2,500 | 53.0                                                                                  | 2,700 |
| 120                                          | 43.0                                                                                | 1,600  | 46.0                                                                                      | 1,800  | 48.5                                                                                            | 2,100 | 50.0                                                                                  | 2,200 |
| 125                                          | 39.5                                                                                | 1,200  | 42.5                                                                                      | 1,500  | 45.0                                                                                            | 1,700 | 46.0                                                                                  | 1,700 |
| 130                                          |                                                                                     |        | 39.0                                                                                      | 1,100  | 41.5                                                                                            | 1,300 | 42.0                                                                                  | 1,300 |
| Min. Bm.<br>Ang./Cap.                        | 36.0                                                                                |        | 36.5                                                                                      |        | 37.5                                                                                            |       | 37.5                                                                                  |       |
| Radius (ft)                                  | 130.0                                                                               |        | 133.3                                                                                     |        | 135.0                                                                                           |       | 135.0                                                                                 |       |
| Maximum Boom Length At<br>0° Boom Angle (ft) |                                                                                     | 101    |                                                                                           |        |                                                                                                 |       |                                                                                       |       |

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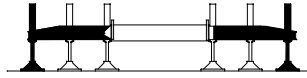
| Rated Lifting Capacities<br>In Pounds        |                                                                                     |        | <br>Full |        | <br>3,600 lb |        |    |       |
|----------------------------------------------|-------------------------------------------------------------------------------------|--------|-------------------------------------------------------------------------------------------|--------|-------------------------------------------------------------------------------------------------|--------|---------------------------------------------------------------------------------------|-------|
| Load<br>Radius<br>(ft)                       | 2° Offset                                                                           |        | 15° Offset                                                                                |        | 30° Offset                                                                                      |        | 45° Offset                                                                            |       |
|                                              |  ° | 360°   |  °       | 360°   |  °             | 360°   |  ° | 360°  |
| 30                                           | 78.0                                                                                | 16,200 |                                                                                           |        |                                                                                                 |        |                                                                                       |       |
| 35                                           | 76.0                                                                                | 15,600 |                                                                                           |        |                                                                                                 |        |                                                                                       |       |
| 40                                           | 74.0                                                                                | 14,900 | 77.0                                                                                      | 12,500 |                                                                                                 |        |                                                                                       |       |
| 45                                           | 72.0                                                                                | 14,300 | 75.0                                                                                      | 12,000 | 78.5                                                                                            | 10,100 |                                                                                       |       |
| 50                                           | 69.5                                                                                | 13,600 | 73.0                                                                                      | 11,500 | 76.5                                                                                            | 9,800  |                                                                                       |       |
| 55                                           | 67.5                                                                                | 13,000 | 70.5                                                                                      | 11,100 | 74.0                                                                                            | 9,500  | 77.0                                                                                  | 8,600 |
| 60                                           | 65.0                                                                                | 11,500 | 68.5                                                                                      | 10,700 | 72.0                                                                                            | 9,300  | 74.5                                                                                  | 8,400 |
| 65                                           | 62.5                                                                                | 9,700  | 66.0                                                                                      | 10,300 | 69.5                                                                                            | 9,000  | 72.0                                                                                  | 8,300 |
| 70                                           | 59.5                                                                                | 8,300  | 63.5                                                                                      | 9,000  | 67.0                                                                                            | 8,800  | 69.5                                                                                  | 8,100 |
| 75                                           | 57.0                                                                                | 7,100  | 60.5                                                                                      | 7,700  | 64.5                                                                                            | 8,400  | 67.0                                                                                  | 8,000 |
| 80                                           | 54.0                                                                                | 6,100  | 57.5                                                                                      | 6,600  | 61.5                                                                                            | 7,200  | 64.0                                                                                  | 7,600 |
| 85                                           | 51.0                                                                                | 5,200  | 54.5                                                                                      | 5,700  | 58.0                                                                                            | 6,200  | 60.5                                                                                  | 6,500 |
| 90                                           | 48.0                                                                                | 4,500  | 51.5                                                                                      | 4,900  | 55.0                                                                                            | 5,300  | 57.0                                                                                  | 5,600 |
| 95                                           | 44.5                                                                                | 3,800  | 48.5                                                                                      | 4,200  | 51.5                                                                                            | 4,500  | 53.5                                                                                  | 4,700 |
| 100                                          | 41.0                                                                                | 3,200  | 44.5                                                                                      | 3,500  | 48.0                                                                                            | 3,800  | 49.5                                                                                  | 4,000 |
| 105                                          | 37.5                                                                                | 2,700  | 41.0                                                                                      | 2,900  | 44.0                                                                                            | 3,200  | 45.0                                                                                  | 3,300 |
| 110                                          | 33.5                                                                                | 2,200  | 37.0                                                                                      | 2,400  | 39.5                                                                                            | 2,600  |                                                                                       |       |
| 115                                          | 28.5                                                                                | 1,800  | 32.0                                                                                      | 2,000  | 34.0                                                                                            | 2,100  |                                                                                       |       |
| 120                                          | 23.0                                                                                | 1,400  | 26.5                                                                                      | 1,500  |                                                                                                 |        |                                                                                       |       |
| 125                                          | 15.5                                                                                | 1,000  | 18.5                                                                                      | 1,100  |                                                                                                 |        |                                                                                       |       |
| Min.Bm.<br>Ang./Cap.                         | 10.5                                                                                |        | 11.0                                                                                      |        | 14.0                                                                                            |        | 16.0                                                                                  |       |
| Radius (ft)                                  | 127.4                                                                               |        | 128.1                                                                                     |        | 127.0                                                                                           |        | 122.9                                                                                 |       |
| Maximum Boom Length At<br>0° Boom Angle (ft) |                                                                                     | 97     |                                                                                           |        |                                                                                                 |        |                                                                                       |       |

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**SN: P9L4-7599**

**Rated Lifting Capacities  
In Pounds**



**Full**

**7,200 lb**



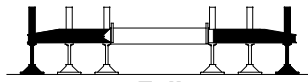
| Load<br>Radius<br>(ft) | 41.0 ft        |         |              | 50.0 ft        |        |              | 60.0 ft        |        |              |
|------------------------|----------------|---------|--------------|----------------|--------|--------------|----------------|--------|--------------|
|                        | $\angle^\circ$ | 360°    | Over<br>Rear | $\angle^\circ$ | 360°   | Over<br>Rear | $\angle^\circ$ | 360°   | Over<br>Rear |
| 10                     | 70.0           | 133,300 | 133,300      | 74.0           | 89,000 | 89,000       | 77.0           | 62,900 | 62,900       |
| 12                     | 66.5           | 109,600 | 109,600      | 71.5           | 87,100 | 87,100       | 75.0           | 58,500 | 58,500       |
| 15                     | 62.0           | 85,600  | 85,600       | 68.0           | 80,000 | 80,000       | 72.0           | 53,000 | 53,000       |
| 20                     | 53.0           | 61,400  | 61,400       | 61.0           | 63,400 | 63,400       | 67.0           | 45,700 | 45,700       |
| 25                     | 43.0           | 46,700  | 46,700       | 54.0           | 48,700 | 48,700       | 61.5           | 40,200 | 40,200       |
| 30                     | 30.0           | 36,900  | 36,900       | 46.0           | 38,800 | 38,800       | 55.5           | 35,900 | 35,900       |
| 35                     |                |         |              | 36.5           | 30,000 | 30,000       | 49.0           | 31,600 | 31,600       |
| 40                     |                |         |              | 24.0           | 23,600 | 23,600       | 42.0           | 25,200 | 25,200       |
| 45                     |                |         |              |                |        |              | 33.5           | 20,500 | 20,500       |
| 50                     |                |         |              |                |        |              | 21.5           | 16,800 | 17,000       |
| Min.Bm.<br>Ang./Cap.   | 0.0            | 25,500  | 25,500       | 0.0            | 16,600 | 16,600       | 0.0            | 11,500 | 11,500       |
| Radius (ft)            | 34.0           |         |              | 43.0           |        |              | 53.0           |        |              |

| Load<br>Radius<br>(ft) | 70.0 ft        |        |              | 80.0 ft        |        |              | 90.0 ft        |        |              |
|------------------------|----------------|--------|--------------|----------------|--------|--------------|----------------|--------|--------------|
|                        | $\angle^\circ$ | 360°   | Over<br>Rear | $\angle^\circ$ | 360°   | Over<br>Rear | $\angle^\circ$ | 360°   | Over<br>Rear |
| 10                     | 79.0           | 49,800 | 49,800       |                |        |              |                |        |              |
| 12                     | 77.5           | 46,500 | 46,500       | 79.5           | 42,400 | 42,400       |                |        |              |
| 15                     | 75.0           | 42,200 | 42,200       | 77.5           | 42,400 | 42,400       | 79.0           | 36,700 | 36,700       |
| 20                     | 70.5           | 36,400 | 36,400       | 73.5           | 37,900 | 37,900       | 76.0           | 36,700 | 36,700       |
| 25                     | 66.0           | 31,900 | 31,900       | 70.0           | 33,800 | 33,800       | 73.0           | 34,500 | 34,500       |
| 30                     | 61.5           | 28,400 | 28,400       | 66.0           | 30,300 | 30,300       | 69.5           | 30,700 | 30,700       |
| 35                     | 56.5           | 25,600 | 25,600       | 62.0           | 27,500 | 27,500       | 66.0           | 27,700 | 27,700       |
| 40                     | 51.5           | 23,200 | 23,200       | 57.5           | 25,200 | 25,200       | 62.5           | 25,200 | 25,200       |
| 45                     | 45.5           | 21,300 | 21,300       | 53.0           | 21,700 | 21,700       | 58.5           | 21,900 | 21,900       |
| 50                     | 39.0           | 17,700 | 18,000       | 48.0           | 18,000 | 18,200       | 54.5           | 18,200 | 18,400       |
| 55                     | 31.0           | 14,900 | 15,200       | 42.5           | 15,100 | 15,500       | 50.0           | 15,300 | 15,700       |
| 60                     | 20.0           | 12,600 | 12,900       | 36.5           | 12,900 | 13,300       | 45.5           | 13,000 | 13,500       |
| 65                     |                |        |              | 29.0           | 11,100 | 11,500       | 40.0           | 11,300 | 11,700       |
| 70                     |                |        |              | 19.0           | 9,500  | 10,000       | 34.5           | 9,800  | 10,200       |
| 75                     |                |        |              |                |        |              | 27.5           | 8,500  | 8,900        |
| 80                     |                |        |              |                |        |              | 18.0           | 7,300  | 7,800        |
| Min.Bm.<br>Ang./Cap.   | 0.0            | 8,600  | 8,600        | 0.0            | 7,300  | 7,300        | 0.0            | 6,200  | 6,200        |
| Radius (ft)            | 63.0           |        |              | 73.0           |        |              | 83.0           |        |              |

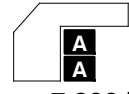
**SN: P9L4-7599**



**Rated Lifting Capacities  
In Pounds**



**Full**



**7,200 lb**

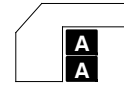
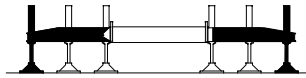


| Load Radius (ft)  | 100.0 ft   |        |           | 110.0 ft   |        |           |
|-------------------|------------|--------|-----------|------------|--------|-----------|
|                   | $\angle$ ° | 360°   | Over Rear | $\angle$ ° | 360°   | Over Rear |
| 20                | 77.5       | 30,700 | 30,700    | 79.0       | 29,100 | 29,100    |
| 25                | 75.0       | 30,700 | 30,700    | 77.0       | 29,100 | 29,100    |
| 30                | 72.0       | 28,400 | 28,400    | 74.5       | 29,100 | 29,100    |
| 35                | 69.0       | 25,700 | 25,700    | 72.0       | 26,600 | 26,600    |
| 40                | 66.0       | 23,400 | 23,400    | 69.0       | 24,400 | 24,400    |
| 45                | 62.5       | 21,400 | 21,400    | 66.0       | 21,600 | 21,700    |
| 50                | 59.0       | 18,200 | 18,400    | 63.0       | 17,900 | 18,200    |
| 55                | 55.5       | 15,300 | 15,700    | 59.5       | 15,100 | 15,500    |
| 60                | 51.5       | 13,100 | 13,500    | 56.0       | 12,800 | 13,300    |
| 65                | 47.5       | 11,300 | 11,800    | 52.5       | 11,100 | 11,600    |
| 70                | 43.0       | 9,800  | 10,300    | 49.0       | 9,600  | 10,100    |
| 75                | 38.0       | 8,500  | 9,000     | 45.0       | 8,300  | 8,800     |
| 80                | 33.0       | 7,400  | 7,900     | 41.0       | 7,200  | 7,700     |
| 85                | 26.5       | 6,500  | 6,900     | 36.5       | 6,300  | 6,700     |
| 90                | 17.0       | 5,600  | 6,100     | 31.5       | 5,400  | 5,900     |
| 95                |            |        |           | 25.0       | 4,700  | 5,200     |
| 100               |            |        |           | 16.5       | 4,000  | 4,500     |
| Min.Bm. Ang./Cap. | 0.0        | 5,200  | 5,200     | 0.0        | 3,700  | 4,100     |
| Radius (ft)       | 93.0       |        |           | 103.0      |        |           |

| Load Radius (ft)  | 120.0 ft   |        |           | 127.0 ft   |        |           |
|-------------------|------------|--------|-----------|------------|--------|-----------|
|                   | $\angle$ ° | 360°   | Over Rear | $\angle$ ° | 360°   | Over Rear |
| 25                | 78.5       | 25,500 | 25,500    | 79.0       | 22,600 | 22,600    |
| 30                | 76.5       | 25,500 | 25,500    | 77.0       | 22,600 | 22,600    |
| 35                | 74.0       | 25,500 | 25,500    | 75.5       | 22,600 | 22,600    |
| 40                | 72.0       | 25,000 | 25,000    | 73.5       | 22,600 | 22,600    |
| 45                | 69.0       | 21,400 | 21,400    | 71.0       | 21,200 | 21,300    |
| 50                | 66.0       | 17,700 | 18,000    | 68.0       | 17,500 | 17,800    |
| 55                | 63.0       | 14,800 | 15,200    | 65.5       | 14,700 | 15,100    |
| 60                | 60.0       | 12,700 | 13,000    | 62.5       | 12,600 | 12,900    |
| 65                | 57.0       | 10,900 | 11,400    | 59.5       | 10,700 | 11,300    |
| 70                | 54.0       | 9,300  | 9,900     | 56.5       | 9,200  | 9,800     |
| 75                | 50.5       | 8,100  | 8,600     | 53.5       | 8,000  | 8,500     |
| 80                | 47.0       | 7,000  | 7,500     | 50.5       | 6,900  | 7,400     |
| 85                | 43.5       | 6,100  | 6,600     | 47.5       | 5,900  | 6,500     |
| 90                | 39.5       | 5,200  | 5,700     | 44.0       | 5,100  | 5,600     |
| 95                | 35.0       | 4,500  | 5,000     | 40.0       | 4,400  | 4,900     |
| 100               | 30.0       | 3,900  | 4,300     | 36.0       | 3,800  | 4,200     |
| 105               | 24.5       | 3,300  | 3,700     | 31.5       | 3,200  | 3,600     |
| 110               | 16.0       | 2,800  | 3,200     | 26.0       | 2,700  | 3,100     |
| 115               |            |        |           | 19.5       | 2,200  | 2,600     |
| Min.Bm. Ang./Cap. | 0.0        | 2,500  | 2,900     | 0.0        | 1,800  | 2,200     |
| Radius (ft)       | 113.0      |        |           | 120.0      |        |           |

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**Rated Lifting Capacities  
In Pounds**



Full

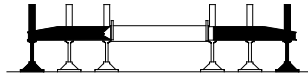
7,200 lb

| Load Radius (ft)  | 41.0 ft    |         |           | 50.0 ft    |        |           | 60.0 ft    |        |           | 70.0 ft    |        |           |
|-------------------|------------|---------|-----------|------------|--------|-----------|------------|--------|-----------|------------|--------|-----------|
|                   | $\angle$ ° | 360°    | Over Rear | $\angle$ ° | 360°   | Over Rear | $\angle$ ° | 360°   | Over Rear | $\angle$ ° | 360°   | Over Rear |
| 10                | 70.0       | 133,300 | 133,300   | 74.0       | 89,000 | 89,000    | 77.0       | 77,000 | 77,000    | 79.5       | 74,000 | 74,000    |
| 12                | 66.5       | 109,600 | 109,600   | 71.5       | 87,100 | 87,100    | 75.0       | 72,200 | 72,200    | 77.5       | 74,000 | 74,000    |
| 15                | 62.0       | 85,600  | 85,600    | 68.0       | 80,000 | 80,000    | 72.0       | 66,000 | 66,000    | 75.0       | 68,500 | 68,500    |
| 20                | 53.0       | 61,400  | 61,400    | 61.0       | 63,400 | 63,400    | 67.0       | 57,800 | 57,800    | 71.0       | 60,800 | 60,800    |
| 25                | 43.0       | 46,700  | 46,700    | 54.0       | 48,700 | 48,700    | 61.5       | 49,800 | 49,800    | 66.5       | 50,300 | 50,300    |
| 30                | 30.0       | 36,900  | 36,900    | 46.0       | 38,800 | 38,800    | 55.5       | 39,900 | 39,900    | 61.5       | 40,500 | 40,500    |
| 35                |            |         |           | 36.5       | 30,000 | 30,000    | 49.0       | 31,300 | 31,300    | 56.5       | 31,800 | 31,800    |
| 40                |            |         |           | 24.0       | 23,600 | 23,600    | 42.0       | 24,900 | 24,900    | 51.0       | 25,400 | 25,400    |
| 45                |            |         |           |            |        |           | 33.5       | 20,200 | 20,200    | 45.0       | 20,700 | 20,800    |
| 50                |            |         |           |            |        |           | 21.5       | 16,500 | 16,700    | 38.5       | 17,000 | 17,300    |
| 55                |            |         |           |            |        |           |            |        |           | 30.5       | 14,200 | 14,500    |
| 60                |            |         |           |            |        |           |            |        |           | 20.0       | 11,900 | 12,400    |
| Min.Bm. Ang./Cap. | 0.0        | 25,500  | 25,500    | 0.0        | 16,600 | 16,600    | 0.0        | 12,400 | 12,400    | 0.0        | 10,300 | 10,300    |
| Radius (ft)       | 34.0       |         |           | 43.0       |        |           | 53.0       |        |           | 63.0       |        |           |

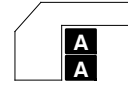
| Load Radius (ft)  | 80.0 ft    |        |           | 90.0 ft    |        |           | 100.0 ft   |        |           | 113.1 ft   |        |           |
|-------------------|------------|--------|-----------|------------|--------|-----------|------------|--------|-----------|------------|--------|-----------|
|                   | $\angle$ ° | 360°   | Over Rear | $\angle$ ° | 360°   | Over Rear | $\angle$ ° | 360°   | Over Rear | $\angle$ ° | 360°   | Over Rear |
| 12                | 79.5       | 57,000 | 57,000    |            |        |           |            |        |           |            |        |           |
| 15                | 77.5       | 51,900 | 51,900    | 79.5       | 48,700 | 48,700    |            |        |           |            |        |           |
| 20                | 73.5       | 44,900 | 44,900    | 76.0       | 42,800 | 42,800    | 78.5       | 42,500 | 42,500    |            |        |           |
| 25                | 70.0       | 39,500 | 39,500    | 73.0       | 38,100 | 38,100    | 75.5       | 38,300 | 38,300    | 78.0       | 32,800 | 32,800    |
| 30                | 66.0       | 35,100 | 35,100    | 69.5       | 34,100 | 34,100    | 72.5       | 34,800 | 34,800    | 75.5       | 32,100 | 32,100    |
| 35                | 62.0       | 31,600 | 31,600    | 66.0       | 30,800 | 30,800    | 69.5       | 31,500 | 31,500    | 73.0       | 29,200 | 29,200    |
| 40                | 57.5       | 25,700 | 25,700    | 62.0       | 25,600 | 25,600    | 66.0       | 25,500 | 25,500    | 70.0       | 25,300 | 25,300    |
| 45                | 53.0       | 21,100 | 21,200    | 58.0       | 21,000 | 21,100    | 62.5       | 20,800 | 20,900    | 67.0       | 20,500 | 20,700    |
| 50                | 48.0       | 17,400 | 17,700    | 54.0       | 17,300 | 17,600    | 59.0       | 17,100 | 17,400    | 64.0       | 16,900 | 17,200    |
| 55                | 42.5       | 14,500 | 14,900    | 49.5       | 14,500 | 14,900    | 55.0       | 14,300 | 14,700    | 60.5       | 14,000 | 14,500    |
| 60                | 36.0       | 12,400 | 12,800    | 45.0       | 12,300 | 12,700    | 51.5       | 12,100 | 12,600    | 57.5       | 11,900 | 12,400    |
| 65                | 29.0       | 10,500 | 11,000    | 40.0       | 10,500 | 11,000    | 47.0       | 10,300 | 10,800    | 54.0       | 10,100 | 10,700    |
| 70                | 19.0       | 9,000  | 9,400     | 34.0       | 9,000  | 9,500     | 43.0       | 8,800  | 9,400     | 50.5       | 8,600  | 9,200     |
| 75                |            |        |           | 27.5       | 7,700  | 8,200     | 38.0       | 7,500  | 8,100     | 47.0       | 7,300  | 7,900     |
| 80                |            |        |           | 18.0       | 6,600  | 7,100     | 32.5       | 6,500  | 7,000     | 43.0       | 6,300  | 6,800     |
| 85                |            |        |           |            |        |           | 26.0       | 5,500  | 6,000     | 39.0       | 5,300  | 5,900     |
| 90                |            |        |           |            |        |           | 17.0       | 4,700  | 5,200     | 34.0       | 4,500  | 5,000     |
| 95                |            |        |           |            |        |           |            |        |           | 29.0       | 3,800  | 4,300     |
| 100               |            |        |           |            |        |           |            |        |           | 22.0       | 3,200  | 3,600     |
| 105               |            |        |           |            |        |           |            |        |           | 11.0       | 2,600  | 3,100     |
| Min.Bm. Ang./Cap. | 0.0        | 8,100  | 8,500     | 0.0        | 6,000  | 6,500     | 0.0        | 4,200  | 4,700     | 0.0        | 2,500  | 3,000     |
| Radius (ft)       | 73.0       |        |           | 83.0       |        |           | 93.0       |        |           | 106.1      |        |           |

SN: P9L4-7599

**Rated Lifting Capacities  
In Pounds**



**Full**



**7,200 lb**

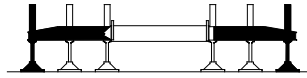


| Load Radius (ft)  | 41.0 ft |         |           | 50.0 ft |        |           | 60.0 ft |        |           | 70.0 ft |        |           |
|-------------------|---------|---------|-----------|---------|--------|-----------|---------|--------|-----------|---------|--------|-----------|
|                   | °       | 360°    | Over Rear | °       | 360°   | Over Rear | °       | 360°   | Over Rear | °       | 360°   | Over Rear |
| 10                | 70.0    | 133,300 | 133,300   | 74.0    | 89,000 | 89,000    | 77.0    | 77,000 | 77,000    | 79.5    | 74,400 | 74,400    |
| 12                | 66.5    | 109,600 | 109,600   | 71.5    | 87,100 | 87,100    | 75.0    | 72,200 | 72,200    | 77.5    | 74,300 | 74,300    |
| 15                | 62.0    | 85,600  | 85,600    | 68.0    | 80,000 | 80,000    | 72.0    | 66,000 | 66,000    | 75.0    | 68,700 | 68,700    |
| 20                | 53.0    | 61,400  | 61,400    | 61.0    | 63,400 | 63,400    | 67.0    | 57,800 | 57,800    | 71.0    | 60,900 | 60,900    |
| 25                | 43.0    | 46,700  | 46,700    | 54.0    | 48,700 | 48,700    | 61.5    | 49,800 | 49,800    | 66.5    | 50,300 | 50,300    |
| 30                | 30.0    | 36,900  | 36,900    | 46.0    | 38,800 | 38,800    | 55.5    | 39,900 | 39,900    | 61.5    | 40,400 | 40,400    |
| 35                |         |         |           | 36.5    | 30,000 | 30,000    | 49.0    | 31,300 | 31,300    | 56.5    | 31,700 | 31,700    |
| 40                |         |         |           | 24.0    | 23,600 | 23,600    | 42.0    | 24,900 | 24,900    | 51.0    | 25,400 | 25,400    |
| 45                |         |         |           |         |        |           | 33.5    | 20,200 | 20,200    | 45.0    | 20,700 | 20,800    |
| 50                |         |         |           |         |        |           | 21.5    | 16,500 | 16,700    | 38.5    | 17,000 | 17,200    |
| 55                |         |         |           |         |        |           |         |        |           | 30.5    | 14,100 | 14,500    |
| 60                |         |         |           |         |        |           |         |        |           | 20.0    | 11,900 | 12,300    |
| Min.Bm. Ang./Cap. | 0.0     | 25,500  | 25,500    | 0.0     | 16,600 | 16,600    | 0.0     | 12,400 | 12,400    | 0.0     | 10,200 | 10,200    |
| Radius (ft)       | 34.0    |         |           | 43.0    |        |           | 53.0    |        |           | 63.0    |        |           |

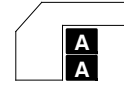
| Load Radius (ft)  | 80.0 ft |        |           | 90.0 ft |        |           | 98.7 ft |        |           |
|-------------------|---------|--------|-----------|---------|--------|-----------|---------|--------|-----------|
|                   | °       | 360°   | Over Rear | °       | 360°   | Over Rear | °       | 360°   | Over Rear |
| 12                | 79.5    | 62,800 | 62,800    |         |        |           |         |        |           |
| 15                | 77.5    | 62,800 | 62,800    | 79.5    | 61,400 | 61,400    |         |        |           |
| 20                | 74.0    | 62,800 | 62,800    | 76.5    | 57,100 | 57,100    | 78.0    | 47,900 | 47,900    |
| 25                | 70.0    | 50,100 | 50,100    | 73.0    | 49,900 | 49,900    | 75.5    | 42,500 | 42,500    |
| 30                | 66.0    | 40,300 | 40,300    | 69.5    | 40,100 | 40,100    | 72.5    | 38,100 | 38,100    |
| 35                | 61.5    | 31,500 | 31,500    | 66.0    | 31,300 | 31,300    | 69.0    | 31,100 | 31,100    |
| 40                | 57.0    | 25,200 | 25,200    | 62.0    | 25,000 | 25,000    | 65.5    | 24,900 | 24,900    |
| 45                | 52.5    | 20,400 | 20,600    | 58.0    | 20,300 | 20,400    | 62.0    | 20,100 | 20,300    |
| 50                | 47.5    | 16,800 | 17,100    | 54.0    | 16,600 | 16,900    | 58.0    | 16,500 | 16,800    |
| 55                | 42.0    | 14,000 | 14,400    | 49.5    | 13,800 | 14,300    | 54.5    | 13,700 | 14,100    |
| 60                | 36.0    | 11,800 | 12,200    | 45.0    | 11,600 | 12,200    | 50.5    | 11,500 | 12,100    |
| 65                | 28.5    | 10,000 | 10,400    | 40.0    | 9,800  | 10,400    | 46.5    | 9,700  | 10,300    |
| 70                | 18.5    | 8,400  | 8,900     | 34.0    | 8,300  | 8,800     | 42.0    | 8,200  | 8,800     |
| 75                |         |        |           | 27.0    | 7,100  | 7,600     | 37.0    | 7,000  | 7,500     |
| 80                |         |        |           | 17.5    | 6,000  | 6,500     | 31.0    | 5,900  | 6,400     |
| 85                |         |        |           |         |        |           | 24.5    | 5,000  | 5,500     |
| 90                |         |        |           |         |        |           | 13.5    | 4,100  | 4,600     |
| Min.Bm. Ang./Cap. | 0.0     | 7,600  | 8,100     | 0.0     | 5,400  | 5,900     | 0.0     | 3,900  | 4,400     |
| Radius (ft)       | 73.0    |        |           | 83.0    |        |           | 91.7    |        |           |

**SN: P9L4-7599**

**Fixed Boom Lengths  
Rated Lifting Capacities  
In Pounds  
See Operation Note 10.**



**Full**



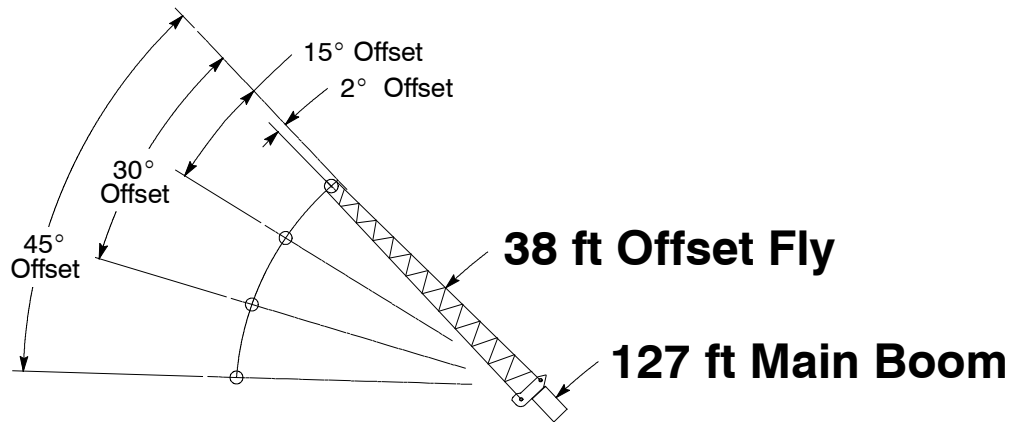
**7,200 lb**

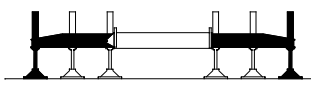
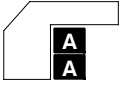


| Load<br>Radius<br>(ft) | 41.0 ft    |         |              | 47.0 ft    |         |              |
|------------------------|------------|---------|--------------|------------|---------|--------------|
|                        | $\angle$ ° | 360°    | Over<br>Rear | $\angle$ ° | 360°    | Over<br>Rear |
| 10                     | 70.0       | 133,300 | 133,300      | 73.0       | 110,700 | 110,700      |
| 12                     | 66.5       | 109,600 | 109,600      | 70.0       | 105,000 | 105,000      |
| 15                     | 62.0       | 85,600  | 85,600       | 66.0       | 87,000  | 87,000       |
| 20                     | 53.0       | 61,400  | 61,400       | 59.0       | 62,800  | 62,800       |
| 25                     | 43.0       | 46,700  | 46,700       | 51.0       | 48,100  | 48,100       |
| 30                     | 30.0       | 36,900  | 36,900       | 42.0       | 38,300  | 38,300       |
| 35                     |            |         |              | 30.5       | 29,400  | 29,400       |
| Min.Bm.<br>Ang./Cap.   | 0.0        | 25,500  | 25,500       | 0.0        | 18,900  | 18,900       |
| Radius (ft)            | 34.0       |         |              | 40.0       |         |              |

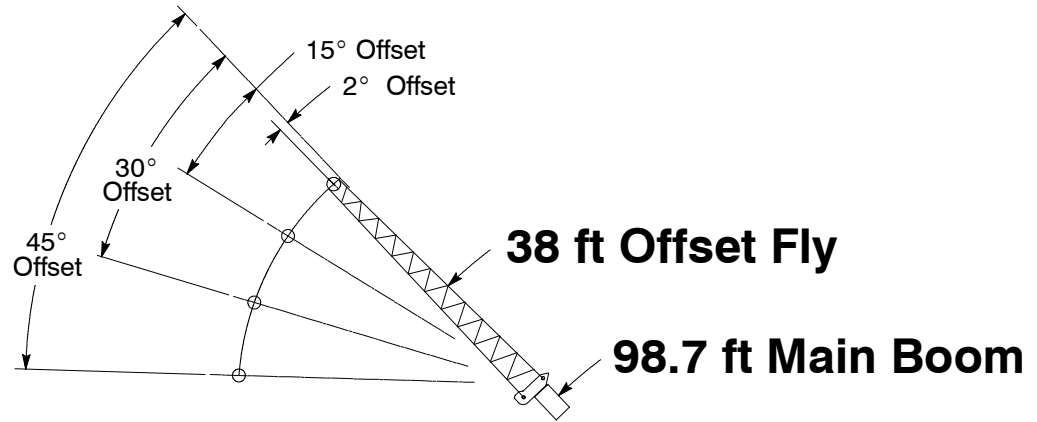
| Load<br>Radius<br>(ft) | 61.3 ft    |         |              | 76.0 ft    |        |              |
|------------------------|------------|---------|--------------|------------|--------|--------------|
|                        | $\angle$ ° | 360°    | Over<br>Rear | $\angle$ ° | 360°   | Over<br>Rear |
| 10                     | 77.5       | 106,900 | 106,900      |            |        |              |
| 12                     | 75.5       | 106,900 | 106,900      | 79.0       | 81,000 | 81,000       |
| 15                     | 72.5       | 88,200  | 88,200       | 77.0       | 77,400 | 77,400       |
| 20                     | 67.5       | 64,100  | 64,100       | 73.0       | 63,900 | 63,900       |
| 25                     | 62.0       | 49,500  | 49,500       | 68.5       | 49,400 | 49,400       |
| 30                     | 56.0       | 39,600  | 39,600       | 64.5       | 39,600 | 39,600       |
| 35                     | 50.0       | 30,900  | 30,900       | 59.5       | 30,700 | 30,700       |
| 40                     | 43.0       | 24,500  | 24,500       | 55.0       | 24,400 | 24,400       |
| 45                     | 35.0       | 19,800  | 19,900       | 50.0       | 19,600 | 19,800       |
| 50                     | 25.0       | 16,100  | 16,300       | 44.5       | 16,000 | 16,400       |
| 55                     |            |         |              | 38.5       | 13,200 | 13,700       |
| 60                     |            |         |              | 31.0       | 11,100 | 11,500       |
| 65                     |            |         |              | 21.5       | 9,200  | 9,700        |
| Min.Bm.<br>Ang./Cap.   | 0.0        | 13,600  | 13,700       | 0.0        | 7,900  | 8,500        |
| Radius (ft)            | 54.3       |         |              | 69.0       |        |              |

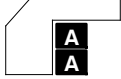
**SN: P9L4-7599**



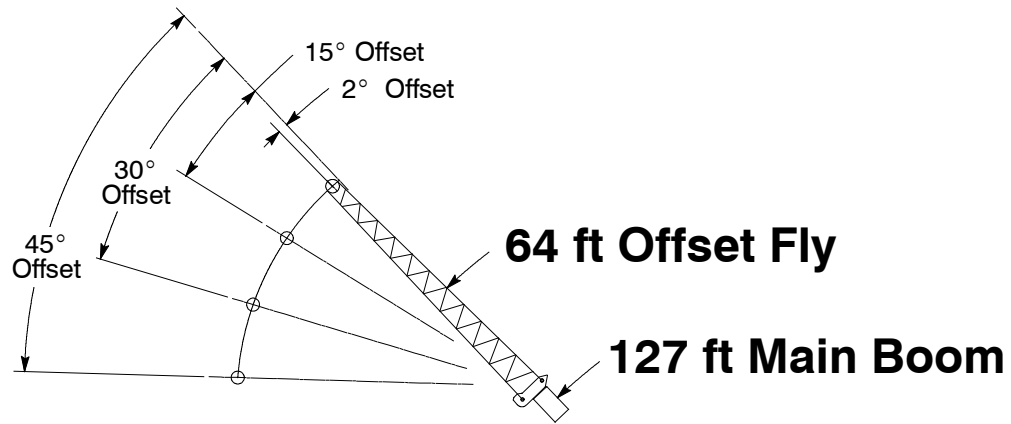
| Rated Lifting Capacities<br>In Pounds        |                                                                                     |        | <br>Full |        | <br>7,200 lb |        |    |       |
|----------------------------------------------|-------------------------------------------------------------------------------------|--------|-------------------------------------------------------------------------------------------|--------|-------------------------------------------------------------------------------------------------|--------|---------------------------------------------------------------------------------------|-------|
| Load<br>Radius<br>(ft)                       | 2° Offset                                                                           |        | 15° Offset                                                                                |        | 30° Offset                                                                                      |        | 45° Offset                                                                            |       |
|                                              |  ° | 360°   |  °       | 360°   |  °             | 360°   |  ° | 360°  |
| 35                                           | 79.5                                                                                | 10,900 |                                                                                           |        |                                                                                                 |        |                                                                                       |       |
| 40                                           | 78.0                                                                                | 10,900 |                                                                                           |        |                                                                                                 |        |                                                                                       |       |
| 45                                           | 76.5                                                                                | 10,900 |                                                                                           | 79.5   |                                                                                                 | 10,400 |                                                                                       |       |
| 50                                           | 75.0                                                                                | 10,900 | 78.0                                                                                      | 10,300 | 79.5                                                                                            |        |                                                                                       |       |
| 55                                           | 73.5                                                                                | 10,900 | 76.5                                                                                      | 10,100 |                                                                                                 | 9,100  |                                                                                       |       |
| 60                                           | 72.0                                                                                | 10,900 | 75.0                                                                                      | 9,900  |                                                                                                 | 8,900  |                                                                                       |       |
| 65                                           | 70.5                                                                                | 10,700 | 73.0                                                                                      | 9,700  | 76.0                                                                                            | 8,700  | 78.0                                                                                  | 8,100 |
| 70                                           | 68.5                                                                                | 9,900  | 71.5                                                                                      | 9,500  | 74.0                                                                                            | 8,600  | 76.5                                                                                  | 8,000 |
| 75                                           | 66.0                                                                                | 8,500  | 69.5                                                                                      | 9,200  | 72.5                                                                                            | 8,500  | 74.5                                                                                  | 7,900 |
| 80                                           | 64.0                                                                                | 7,400  | 67.0                                                                                      | 8,000  | 70.5                                                                                            | 8,300  | 72.5                                                                                  | 7,700 |
| 85                                           | 61.5                                                                                | 6,500  | 65.0                                                                                      | 7,000  | 68.0                                                                                            | 7,500  | 70.5                                                                                  | 7,700 |
| 90                                           | 59.0                                                                                | 5,600  | 62.5                                                                                      | 6,100  | 65.5                                                                                            | 6,600  | 68.0                                                                                  | 6,900 |
| 95                                           | 57.0                                                                                | 4,900  | 60.0                                                                                      | 5,300  | 63.0                                                                                            | 5,800  | 65.5                                                                                  | 6,100 |
| 100                                          | 54.5                                                                                | 4,300  | 57.5                                                                                      | 4,600  | 60.5                                                                                            | 5,000  | 62.5                                                                                  | 5,300 |
| 105                                          | 52.0                                                                                | 3,700  | 55.0                                                                                      | 4,000  | 58.0                                                                                            | 4,400  | 60.0                                                                                  | 4,600 |
| 110                                          | 49.0                                                                                | 3,200  | 52.5                                                                                      | 3,500  | 55.0                                                                                            | 3,800  | 57.0                                                                                  | 4,000 |
| 115                                          | 46.5                                                                                | 2,700  | 49.5                                                                                      | 3,000  | 52.0                                                                                            | 3,200  | 53.5                                                                                  | 3,400 |
| 120                                          | 43.5                                                                                | 2,300  | 46.5                                                                                      | 2,500  | 49.0                                                                                            | 2,800  | 50.5                                                                                  | 2,900 |
| 125                                          | 40.5                                                                                | 1,900  | 43.5                                                                                      | 2,100  | 46.0                                                                                            | 2,300  | 47.0                                                                                  | 2,400 |
| 130                                          | 37.0                                                                                | 1,500  | 40.0                                                                                      | 1,700  | 42.5                                                                                            | 1,900  |                                                                                       |       |
| 135                                          | 33.5                                                                                | 1,200  | 36.5                                                                                      | 1,400  | 38.5                                                                                            | 1,500  |                                                                                       |       |
| 140                                          |                                                                                     |        | 32.5                                                                                      | 1,100  | 34.0                                                                                            | 1,200  |                                                                                       |       |
| Min. Bm.<br>Ang./Cap.                        | 29.5                                                                                |        | 29.0                                                                                      |        | 30.0                                                                                            |        | 29.0                                                                                  |       |
| Radius (ft)                                  | 140.0                                                                               |        | 143.3                                                                                     |        | 143.8                                                                                           |        | 143.3                                                                                 |       |
| Maximum Boom Length<br>At 0° Boom Angle (ft) |                                                                                     | 107    |                                                                                           |        |                                                                                                 |        |                                                                                       |       |

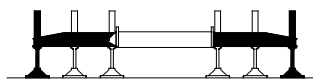
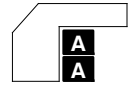
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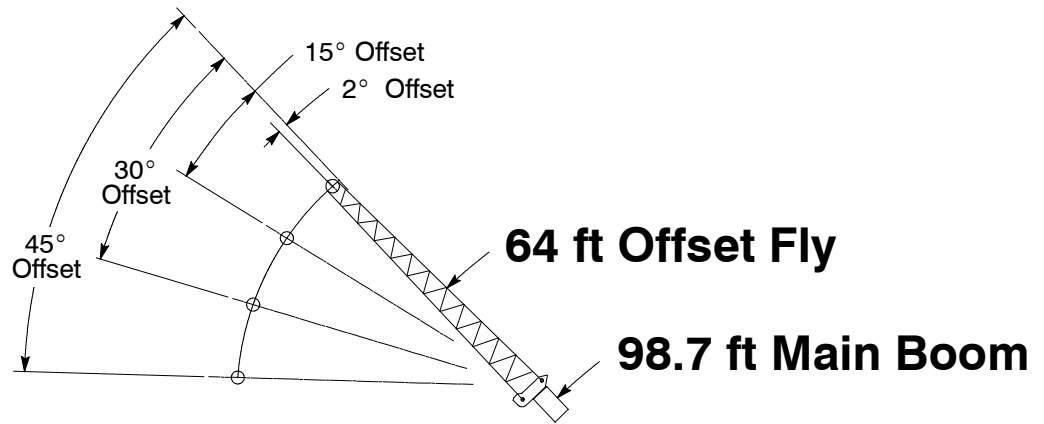
| Rated Lifting Capacities<br>In Pounds |            |        | <br>Full |        | <br>7,200 lb |        |  |       |
|---------------------------------------|------------|--------|-------------------------------------------------------------------------------------------|--------|-------------------------------------------------------------------------------------------------|--------|-------------------------------------------------------------------------------------|-------|
| Load<br>Radius<br>(ft)                | 2° Offset  |        | 15° Offset                                                                                |        | 30° Offset                                                                                      |        | 45° Offset                                                                          |       |
|                                       | $\angle$ ° | 360°   | $\angle$ °                                                                                | 360°   | $\angle$ °                                                                                      | 360°   | $\angle$ °                                                                          | 360°  |
| 30                                    | 78.0       | 16,200 |                                                                                           |        |                                                                                                 |        |                                                                                     |       |
| 35                                    | 76.0       | 15,600 |                                                                                           |        |                                                                                                 |        |                                                                                     |       |
| 40                                    | 74.0       | 14,900 | 77.0                                                                                      | 12,500 |                                                                                                 |        |                                                                                     |       |
| 45                                    | 72.0       | 14,300 | 75.0                                                                                      | 12,000 | 78.5                                                                                            | 10,100 |                                                                                     |       |
| 50                                    | 69.5       | 13,600 | 73.0                                                                                      | 11,500 | 76.5                                                                                            | 9,800  |                                                                                     |       |
| 55                                    | 67.5       | 13,000 | 70.5                                                                                      | 11,100 | 74.0                                                                                            | 9,500  | 77.0                                                                                | 8,600 |
| 60                                    | 65.0       | 12,500 | 68.5                                                                                      | 10,700 | 72.0                                                                                            | 9,300  | 74.5                                                                                | 8,400 |
| 65                                    | 62.5       | 11,200 | 66.0                                                                                      | 10,300 | 69.5                                                                                            | 9,000  | 72.0                                                                                | 8,300 |
| 70                                    | 60.0       | 9,600  | 63.5                                                                                      | 10,000 | 67.0                                                                                            | 8,800  | 69.5                                                                                | 8,100 |
| 75                                    | 57.0       | 8,300  | 61.0                                                                                      | 8,900  | 64.5                                                                                            | 8,600  | 67.0                                                                                | 8,000 |
| 80                                    | 54.5       | 7,200  | 58.0                                                                                      | 7,700  | 61.5                                                                                            | 8,300  | 64.0                                                                                | 7,900 |
| 85                                    | 51.5       | 6,200  | 55.0                                                                                      | 6,700  | 58.5                                                                                            | 7,200  | 61.0                                                                                | 7,600 |
| 90                                    | 48.5       | 5,400  | 52.0                                                                                      | 5,800  | 55.5                                                                                            | 6,300  | 57.5                                                                                | 6,500 |
| 95                                    | 45.0       | 4,700  | 48.5                                                                                      | 5,100  | 52.0                                                                                            | 5,400  | 54.0                                                                                | 5,600 |
| 100                                   | 41.5       | 4,000  | 45.0                                                                                      | 4,400  | 48.0                                                                                            | 4,700  | 50.0                                                                                | 4,800 |
| 105                                   | 38.0       | 3,500  | 41.5                                                                                      | 3,700  | 44.5                                                                                            | 4,000  | 45.5                                                                                | 4,100 |
| 110                                   | 34.0       | 2,900  | 37.5                                                                                      | 3,200  | 40.0                                                                                            | 3,400  |                                                                                     |       |
| 115                                   | 29.5       | 2,500  | 32.5                                                                                      | 2,700  | 35.0                                                                                            | 2,800  |                                                                                     |       |
| 120                                   | 24.0       | 2,100  | 27.0                                                                                      | 2,200  |                                                                                                 |        |                                                                                     |       |
| 125                                   | 17.0       | 1,700  | 20.0                                                                                      | 1,800  |                                                                                                 |        |                                                                                     |       |
| Min.Bm.<br>Ang./Cap.                  | 0.0        | 1,400  | 0.0                                                                                       | 1,400  | 0.0                                                                                             | 1,500  | 0.0                                                                                 | 1,600 |
| Radius (ft)                           | 129.7      |        | 129.3                                                                                     |        | 127.0                                                                                           |        | 122.9                                                                               |       |

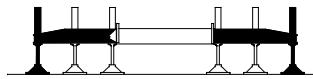
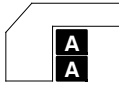
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| Rated Lifting Capacities<br>In Pounds        |                                                                                     |       | <br>Full |       | <br>7,200 lb |       |    |       |
|----------------------------------------------|-------------------------------------------------------------------------------------|-------|-------------------------------------------------------------------------------------------|-------|-------------------------------------------------------------------------------------------------|-------|---------------------------------------------------------------------------------------|-------|
| Load<br>Radius<br>(ft)                       | 2° Offset                                                                           |       | 15° Offset                                                                                |       | 30° Offset                                                                                      |       | 45° Offset                                                                            |       |
|                                              |  ° | 360°  |  °       | 360°  |  °             | 360°  |  ° | 360°  |
| 45                                           | 79.5                                                                                | 7,300 |                                                                                           |       |                                                                                                 |       |                                                                                       |       |
| 50                                           | 78.5                                                                                | 7,300 |                                                                                           |       |                                                                                                 |       |                                                                                       |       |
| 55                                           | 77.0                                                                                | 7,200 |                                                                                           |       |                                                                                                 |       |                                                                                       |       |
| 60                                           | 76.0                                                                                | 7,100 |                                                                                           |       |                                                                                                 |       |                                                                                       |       |
| 65                                           | 74.5                                                                                | 6,900 | 79.0                                                                                      | 6,100 |                                                                                                 |       |                                                                                       |       |
| 70                                           | 73.0                                                                                | 6,800 | 77.5                                                                                      | 6,000 |                                                                                                 |       |                                                                                       |       |
| 75                                           | 72.0                                                                                | 6,600 | 76.0                                                                                      | 5,800 |                                                                                                 |       |                                                                                       |       |
| 80                                           | 70.5                                                                                | 6,500 | 74.5                                                                                      | 5,600 | 79.0                                                                                            | 4,900 |                                                                                       |       |
| 85                                           | 69.0                                                                                | 6,300 | 73.0                                                                                      | 5,500 | 77.5                                                                                            | 4,800 |                                                                                       |       |
| 90                                           | 67.5                                                                                | 6,100 | 71.5                                                                                      | 5,300 | 76.0                                                                                            | 4,700 | 79.5                                                                                  | 4,200 |
| 95                                           | 65.5                                                                                | 5,500 | 70.0                                                                                      | 5,200 | 74.0                                                                                            | 4,600 | 78.0                                                                                  | 4,200 |
| 100                                          | 63.5                                                                                | 4,900 | 68.5                                                                                      | 5,100 | 72.5                                                                                            | 4,500 | 76.0                                                                                  | 4,100 |
| 105                                          | 61.5                                                                                | 4,300 | 66.5                                                                                      | 4,900 | 71.0                                                                                            | 4,400 | 74.5                                                                                  | 4,100 |
| 110                                          | 59.5                                                                                | 3,700 | 64.5                                                                                      | 4,300 | 69.0                                                                                            | 4,300 | 72.5                                                                                  | 4,100 |
| 115                                          | 57.5                                                                                | 3,300 | 62.5                                                                                      | 3,800 | 67.0                                                                                            | 4,200 | 70.5                                                                                  | 4,000 |
| 120                                          | 55.5                                                                                | 2,800 | 60.5                                                                                      | 3,300 | 65.0                                                                                            | 3,900 | 68.5                                                                                  | 3,900 |
| 125                                          | 53.5                                                                                | 2,400 | 58.0                                                                                      | 2,900 | 62.5                                                                                            | 3,400 | 66.5                                                                                  | 3,700 |
| 130                                          | 51.5                                                                                | 2,100 | 56.0                                                                                      | 2,500 | 60.5                                                                                            | 2,900 | 63.5                                                                                  | 3,200 |
| 135                                          | 49.0                                                                                | 1,700 | 53.5                                                                                      | 2,100 | 58.0                                                                                            | 2,500 | 61.0                                                                                  | 2,800 |
| 140                                          | 47.0                                                                                | 1,400 | 51.5                                                                                      | 1,800 | 55.5                                                                                            | 2,100 | 58.0                                                                                  | 2,400 |
| 145                                          | 45.0                                                                                | 1,100 | 49.0                                                                                      | 1,500 | 53.0                                                                                            | 1,800 | 55.0                                                                                  | 2,000 |
| 150                                          |                                                                                     |       | 46.5                                                                                      | 1,200 | 50.0                                                                                            | 1,500 | 52.0                                                                                  | 1,600 |
| 155                                          |                                                                                     |       |                                                                                           |       | 47.5                                                                                            | 1,100 | 48.5                                                                                  | 1,200 |
| Min. Bm.<br>Ang./Cap.                        | 42.5                                                                                |       | 44.0                                                                                      |       | 44.5                                                                                            |       | 45.0                                                                                  |       |
| Radius (ft)                                  | 150.0                                                                               |       | 155.0                                                                                     |       | 158.3                                                                                           |       | 160.0                                                                                 |       |
| Maximum Boom Length At<br>0° Boom Angle (ft) |                                                                                     | 99    |                                                                                           |       |                                                                                                 |       |                                                                                       |       |

SN: P9L4-7599



| Rated Lifting Capacities<br>In Pounds        |                                                                                   |        | <br>Full |       | <br>7,200 lb |       |  |       |
|----------------------------------------------|-----------------------------------------------------------------------------------|--------|-------------------------------------------------------------------------------------------|-------|-------------------------------------------------------------------------------------------------|-------|-------------------------------------------------------------------------------------|-------|
| Load<br>Radius<br>(ft)                       | 2° Offset                                                                         |        | 15° Offset                                                                                |       | 30° Offset                                                                                      |       | 45° Offset                                                                          |       |
|                                              |  | 360°   |          | 360°  |                | 360°  |  | 360°  |
| 35                                           | 79.5                                                                              | 10,300 |                                                                                           |       |                                                                                                 |       |                                                                                     |       |
| 40                                           | 77.5                                                                              | 9,900  |                                                                                           |       |                                                                                                 |       |                                                                                     |       |
| 45                                           | 76.0                                                                              | 9,400  |                                                                                           |       |                                                                                                 |       |                                                                                     |       |
| 50                                           | 74.5                                                                              | 9,000  | 79.5                                                                                      | 7,400 |                                                                                                 |       |                                                                                     |       |
| 55                                           | 72.5                                                                              | 8,500  | 77.5                                                                                      | 7,000 |                                                                                                 |       |                                                                                     |       |
| 60                                           | 71.0                                                                              | 8,100  | 76.0                                                                                      | 6,700 |                                                                                                 |       |                                                                                     |       |
| 65                                           | 69.0                                                                              | 7,700  | 74.0                                                                                      | 6,400 | 79.5                                                                                            | 5,400 |                                                                                     |       |
| 70                                           | 67.0                                                                              | 7,300  | 72.0                                                                                      | 6,200 | 77.5                                                                                            | 5,200 |                                                                                     |       |
| 75                                           | 65.5                                                                              | 7,000  | 70.0                                                                                      | 5,900 | 75.5                                                                                            | 5,100 |                                                                                     |       |
| 80                                           | 63.5                                                                              | 6,700  | 68.5                                                                                      | 5,700 | 73.5                                                                                            | 4,900 | 78.0                                                                                | 4,400 |
| 85                                           | 61.5                                                                              | 6,400  | 66.5                                                                                      | 5,500 | 71.5                                                                                            | 4,800 | 76.0                                                                                | 4,300 |
| 90                                           | 59.5                                                                              | 6,100  | 64.5                                                                                      | 5,300 | 69.5                                                                                            | 4,700 | 73.5                                                                                | 4,300 |
| 95                                           | 57.0                                                                              | 5,600  | 62.0                                                                                      | 5,100 | 67.0                                                                                            | 4,600 | 71.5                                                                                | 4,200 |
| 100                                          | 55.0                                                                              | 4,900  | 60.0                                                                                      | 5,000 | 65.0                                                                                            | 4,500 | 69.0                                                                                | 4,200 |
| 105                                          | 52.5                                                                              | 4,300  | 57.5                                                                                      | 4,800 | 62.5                                                                                            | 4,400 | 66.5                                                                                | 4,100 |
| 110                                          | 50.0                                                                              | 3,800  | 55.0                                                                                      | 4,300 | 60.0                                                                                            | 4,300 | 63.5                                                                                | 4,100 |
| 115                                          | 47.0                                                                              | 3,300  | 52.5                                                                                      | 3,800 | 57.5                                                                                            | 4,200 | 61.0                                                                                | 4,100 |
| 120                                          | 44.5                                                                              | 2,900  | 49.5                                                                                      | 3,300 | 54.5                                                                                            | 3,700 | 57.5                                                                                | 4,000 |
| 125                                          | 41.5                                                                              | 2,500  | 46.5                                                                                      | 2,900 | 51.5                                                                                            | 3,200 | 54.0                                                                                | 3,400 |
| 130                                          | 39.0                                                                              | 2,100  | 43.5                                                                                      | 2,400 | 48.0                                                                                            | 2,800 | 50.0                                                                                | 2,900 |
| 135                                          | 35.5                                                                              | 1,800  | 40.5                                                                                      | 2,100 | 44.0                                                                                            | 2,300 | 45.0                                                                                | 2,400 |
| 140                                          | 32.0                                                                              | 1,500  | 36.5                                                                                      | 1,700 | 40.0                                                                                            | 1,900 |                                                                                     |       |
| 145                                          | 28.0                                                                              | 1,200  | 32.5                                                                                      | 1,400 | 34.5                                                                                            | 1,500 |                                                                                     |       |
| 150                                          |                                                                                   |        | 26.5                                                                                      | 1,100 |                                                                                                 |       |                                                                                     |       |
| Min.Bm.<br>Ang./Cap.                         | 22.5                                                                              |        | 19.0                                                                                      |       | 20.0                                                                                            |       | 36.0                                                                                |       |
| Radius (ft)                                  | 150.0                                                                             |        | 153.2                                                                                     |       | 151.7                                                                                           |       | 145.5                                                                               |       |
| Maximum Boom Length<br>At 0° Boom Angle (ft) |                                                                                   | 98     |                                                                                           |       |                                                                                                 |       |                                                                                     |       |

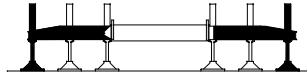
SN: P9L4-7599



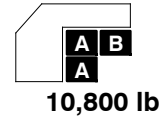
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**SN: P9L4-7599**

**Rated Lifting Capacities  
In Pounds**



**Full**



**10,800 lb**

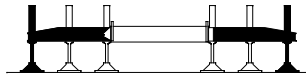


| Load Radius (ft)  | 41.0 ft    |         |           | 50.0 ft    |        |           | 60.0 ft    |        |           |
|-------------------|------------|---------|-----------|------------|--------|-----------|------------|--------|-----------|
|                   | $\angle$ ° | 360°    | Over Rear | $\angle$ ° | 360°   | Over Rear | $\angle$ ° | 360°   | Over Rear |
| 10                | 70.0       | 137,100 | 137,100   | 74.0       | 89,000 | 89,000    | 77.0       | 62,900 | 62,900    |
| 12                | 66.5       | 113,100 | 113,100   | 71.5       | 87,100 | 87,100    | 75.0       | 58,500 | 58,500    |
| 15                | 62.0       | 88,500  | 88,500    | 68.0       | 80,000 | 80,000    | 72.0       | 53,000 | 53,000    |
| 20                | 53.0       | 63,600  | 63,600    | 61.0       | 65,500 | 65,500    | 67.0       | 45,700 | 45,700    |
| 25                | 43.0       | 48,500  | 48,500    | 54.0       | 50,400 | 50,400    | 61.5       | 40,200 | 40,200    |
| 30                | 30.0       | 38,300  | 38,300    | 46.0       | 40,300 | 40,300    | 55.5       | 35,900 | 35,900    |
| 35                |            |         |           | 36.5       | 32,700 | 32,700    | 49.0       | 32,400 | 32,400    |
| 40                |            |         |           | 24.0       | 25,800 | 25,800    | 42.0       | 27,400 | 27,400    |
| 45                |            |         |           |            |        |           | 33.5       | 22,400 | 22,400    |
| 50                |            |         |           |            |        |           | 22.0       | 18,600 | 18,600    |
| Min.Bm. Ang./Cap. | 0.0        | 25,500  | 25,500    | 0.0        | 16,600 | 16,600    | 0.0        | 11,500 | 11,500    |
| Radius (ft)       | 34.0       |         |           | 43.0       |        |           | 53.0       |        |           |

| Load Radius (ft)  | 70.0 ft    |        |           | 80.0 ft    |        |           | 90.0 ft    |        |           |
|-------------------|------------|--------|-----------|------------|--------|-----------|------------|--------|-----------|
|                   | $\angle$ ° | 360°   | Over Rear | $\angle$ ° | 360°   | Over Rear | $\angle$ ° | 360°   | Over Rear |
| 10                | 79.0       | 49,800 | 49,800    |            |        |           |            |        |           |
| 12                | 77.5       | 46,500 | 46,500    | 79.5       | 42,400 | 42,400    |            |        |           |
| 15                | 75.0       | 42,200 | 42,200    | 77.5       | 42,400 | 42,400    | 79.0       | 36,700 | 36,700    |
| 20                | 70.5       | 36,400 | 36,400    | 73.5       | 37,900 | 37,900    | 76.0       | 36,700 | 36,700    |
| 25                | 66.0       | 31,900 | 31,900    | 70.0       | 33,800 | 33,800    | 73.0       | 34,500 | 34,500    |
| 30                | 61.5       | 28,400 | 28,400    | 66.0       | 30,300 | 30,300    | 69.5       | 30,700 | 30,700    |
| 35                | 56.5       | 25,600 | 25,600    | 62.0       | 27,500 | 27,500    | 66.0       | 27,700 | 27,700    |
| 40                | 51.5       | 23,200 | 23,200    | 57.5       | 25,200 | 25,200    | 62.5       | 25,200 | 25,200    |
| 45                | 45.5       | 21,300 | 21,300    | 53.0       | 23,200 | 23,200    | 58.5       | 23,100 | 23,100    |
| 50                | 39.0       | 19,600 | 19,600    | 48.0       | 19,900 | 19,900    | 54.5       | 20,100 | 20,100    |
| 55                | 31.0       | 16,600 | 16,600    | 42.5       | 16,900 | 17,000    | 50.0       | 17,000 | 17,200    |
| 60                | 20.5       | 14,100 | 14,300    | 36.5       | 14,400 | 14,600    | 45.5       | 14,600 | 14,800    |
| 65                |            |        |           | 29.0       | 12,500 | 12,700    | 40.5       | 12,700 | 12,900    |
| 70                |            |        |           | 19.0       | 10,800 | 11,100    | 34.5       | 11,100 | 11,300    |
| 75                |            |        |           |            |        |           | 27.5       | 9,600  | 9,900     |
| 80                |            |        |           |            |        |           | 18.0       | 8,400  | 8,700     |
| Min.Bm. Ang./Cap. | 0.0        | 8,600  | 8,600     | 0.0        | 7,300  | 7,300     | 0.0        | 6,200  | 6,200     |
| Radius (ft)       | 63.0       |        |           | 73.0       |        |           | 83.0       |        |           |

**SN: P9L4-7599**

**Rated Lifting Capacities  
In Pounds**



**Full**

**10,800 lb**

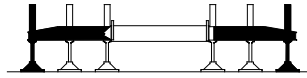


| Load Radius (ft)  | 100.0 ft   |        |           | 110.0 ft   |        |           |
|-------------------|------------|--------|-----------|------------|--------|-----------|
|                   | $\angle$ ° | 360°   | Over Rear | $\angle$ ° | 360°   | Over Rear |
| 20                | 77.5       | 30,700 | 30,700    | 79.0       | 29,100 | 29,100    |
| 25                | 75.0       | 30,700 | 30,700    | 77.0       | 29,100 | 29,100    |
| 30                | 72.0       | 28,400 | 28,400    | 74.5       | 29,100 | 29,100    |
| 35                | 69.0       | 25,700 | 25,700    | 72.0       | 26,600 | 26,600    |
| 40                | 66.0       | 23,400 | 23,400    | 69.0       | 24,400 | 24,400    |
| 45                | 62.5       | 21,400 | 21,400    | 66.0       | 22,500 | 22,500    |
| 50                | 59.5       | 19,700 | 19,700    | 63.0       | 19,800 | 19,800    |
| 55                | 55.5       | 17,100 | 17,200    | 60.0       | 16,800 | 16,900    |
| 60                | 51.5       | 14,600 | 14,900    | 56.5       | 14,400 | 14,600    |
| 65                | 47.5       | 12,700 | 12,900    | 53.0       | 12,500 | 12,700    |
| 70                | 43.0       | 11,100 | 11,400    | 49.5       | 10,800 | 11,200    |
| 75                | 38.5       | 9,700  | 10,000    | 45.5       | 9,500  | 9,800     |
| 80                | 33.0       | 8,500  | 8,800     | 41.5       | 8,300  | 8,700     |
| 85                | 26.5       | 7,500  | 7,800     | 36.5       | 7,300  | 7,600     |
| 90                | 17.5       | 6,600  | 6,900     | 31.5       | 6,400  | 6,700     |
| 95                |            |        |           | 25.5       | 5,600  | 5,900     |
| 100               |            |        |           | 16.5       | 4,900  | 5,200     |
| Min.Bm. Ang./Cap. | 0.0        | 5,200  | 5,200     | 0.0        | 4,200  | 4,200     |
| Radius (ft)       |            | 93.0   |           |            | 103.0  |           |

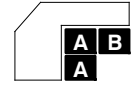
| Load Radius (ft)  | 120.0 ft   |        |           | 127.0 ft   |        |           |
|-------------------|------------|--------|-----------|------------|--------|-----------|
|                   | $\angle$ ° | 360°   | Over Rear | $\angle$ ° | 360°   | Over Rear |
| 25                | 78.5       | 25,500 | 25,500    | 79.0       | 22,600 | 22,600    |
| 30                | 76.5       | 25,500 | 25,500    | 77.0       | 22,600 | 22,600    |
| 35                | 74.0       | 25,500 | 25,500    | 75.5       | 22,600 | 22,600    |
| 40                | 72.0       | 25,000 | 25,000    | 73.5       | 22,600 | 22,600    |
| 45                | 69.5       | 23,200 | 23,200    | 71.0       | 22,600 | 22,600    |
| 50                | 66.5       | 19,600 | 19,600    | 68.5       | 19,500 | 19,500    |
| 55                | 63.5       | 16,600 | 16,700    | 65.5       | 16,400 | 16,600    |
| 60                | 60.5       | 14,100 | 14,400    | 63.0       | 14,000 | 14,200    |
| 65                | 57.5       | 12,300 | 12,600    | 60.0       | 12,100 | 12,500    |
| 70                | 54.0       | 10,600 | 11,000    | 57.0       | 10,500 | 10,900    |
| 75                | 51.0       | 9,300  | 9,600     | 54.0       | 9,100  | 9,500     |
| 80                | 47.5       | 8,100  | 8,500     | 51.0       | 8,000  | 8,400     |
| 85                | 43.5       | 7,100  | 7,500     | 47.5       | 7,000  | 7,400     |
| 90                | 39.5       | 6,200  | 6,600     | 44.0       | 6,100  | 6,500     |
| 95                | 35.5       | 5,400  | 5,800     | 40.5       | 5,300  | 5,700     |
| 100               | 30.5       | 4,700  | 5,100     | 36.5       | 4,600  | 5,000     |
| 105               | 24.5       | 4,100  | 4,400     | 32.0       | 4,000  | 4,400     |
| 110               | 16.5       | 3,500  | 3,900     | 26.5       | 3,400  | 3,800     |
| 115               |            |        |           | 19.5       | 2,900  | 3,300     |
| Min.Bm. Ang./Cap. | 0.0        | 3,300  | 3,300     | 0.0        | 2,500  | 2,700     |
| Radius (ft)       |            | 113.0  |           |            | 120.0  |           |

**SN: P9L4-7599**

**Rated Lifting Capacities  
In Pounds**



Full



10,800 lb

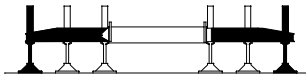


| Load Radius (ft)  | 41.0 ft    |         |           | 50.0 ft    |        |           | 60.0 ft    |        |           | 70.0 ft    |        |           |
|-------------------|------------|---------|-----------|------------|--------|-----------|------------|--------|-----------|------------|--------|-----------|
|                   | $\angle$ ° | 360°    | Over Rear | $\angle$ ° | 360°   | Over Rear | $\angle$ ° | 360°   | Over Rear | $\angle$ ° | 360°   | Over Rear |
| 10                | 70.0       | 137,100 | 137,100   | 74.0       | 89,000 | 89,000    | 77.0       | 77,000 | 77,000    | 79.5       | 74,000 | 74,000    |
| 12                | 66.5       | 113,100 | 113,100   | 71.5       | 87,100 | 87,100    | 75.0       | 72,200 | 72,200    | 77.5       | 74,000 | 74,000    |
| 15                | 62.0       | 88,500  | 88,500    | 68.0       | 80,000 | 80,000    | 72.0       | 66,000 | 66,000    | 75.0       | 68,500 | 68,500    |
| 20                | 53.0       | 63,600  | 63,600    | 61.0       | 65,500 | 65,500    | 67.0       | 57,800 | 57,800    | 71.0       | 60,800 | 60,800    |
| 25                | 43.0       | 48,500  | 48,500    | 54.0       | 50,400 | 50,400    | 61.5       | 51,400 | 51,400    | 66.5       | 52,000 | 52,000    |
| 30                | 30.0       | 38,300  | 38,300    | 46.0       | 40,300 | 40,300    | 55.5       | 41,400 | 41,400    | 61.5       | 41,900 | 41,900    |
| 35                |            |         |           | 36.5       | 32,700 | 32,700    | 49.0       | 33,900 | 33,900    | 56.5       | 34,400 | 34,400    |
| 40                |            |         |           | 24.0       | 25,800 | 25,800    | 42.0       | 27,100 | 27,100    | 51.0       | 27,600 | 27,600    |
| 45                |            |         |           |            |        |           | 33.5       | 22,100 | 22,100    | 45.5       | 22,700 | 22,700    |
| 50                |            |         |           |            |        |           | 21.5       | 18,300 | 18,300    | 38.5       | 18,900 | 18,900    |
| 55                |            |         |           |            |        |           |            |        |           | 31.0       | 15,900 | 16,000    |
| 60                |            |         |           |            |        |           |            |        |           | 20.0       | 13,500 | 13,600    |
| Min.Bm. Ang./Cap. | 0.0        | 25,500  | 25,500    | 0.0        | 16,600 | 16,600    | 0.0        | 12,400 | 12,400    | 0.0        | 10,300 | 10,300    |
| Radius (ft)       | 34.0       |         |           | 43.0       |        |           | 53.0       |        |           | 63.0       |        |           |

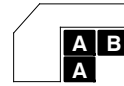
| Load Radius (ft)  | 80.0 ft    |        |           | 90.0 ft    |        |           | 100.0 ft   |        |           | 113.1 ft   |        |           |
|-------------------|------------|--------|-----------|------------|--------|-----------|------------|--------|-----------|------------|--------|-----------|
|                   | $\angle$ ° | 360°   | Over Rear | $\angle$ ° | 360°   | Over Rear | $\angle$ ° | 360°   | Over Rear | $\angle$ ° | 360°   | Over Rear |
| 12                | 79.5       | 57,000 | 57,000    |            |        |           |            |        |           |            |        |           |
| 15                | 77.5       | 51,900 | 51,900    | 79.5       | 48,700 | 48,700    |            |        |           |            |        |           |
| 20                | 73.5       | 44,900 | 44,900    | 76.0       | 42,800 | 42,800    | 78.5       | 42,500 | 42,500    |            |        |           |
| 25                | 70.0       | 39,500 | 39,500    | 73.0       | 38,100 | 38,100    | 75.5       | 38,300 | 38,300    | 78.0       | 32,800 | 32,800    |
| 30                | 66.0       | 35,100 | 35,100    | 69.5       | 34,100 | 34,100    | 72.5       | 34,800 | 34,800    | 75.5       | 32,100 | 32,100    |
| 35                | 62.0       | 31,600 | 31,600    | 66.0       | 30,800 | 30,800    | 69.5       | 31,500 | 31,500    | 73.0       | 29,200 | 29,200    |
| 40                | 57.5       | 27,900 | 27,900    | 62.5       | 27,800 | 27,800    | 66.0       | 27,600 | 27,600    | 70.5       | 26,700 | 26,700    |
| 45                | 53.0       | 23,000 | 23,000    | 58.5       | 23,000 | 23,000    | 62.5       | 22,800 | 22,800    | 67.5       | 22,500 | 22,500    |
| 50                | 48.0       | 19,300 | 19,300    | 54.0       | 19,300 | 19,300    | 59.0       | 19,100 | 19,100    | 64.0       | 18,800 | 18,800    |
| 55                | 42.5       | 16,300 | 16,400    | 50.0       | 16,200 | 16,400    | 55.5       | 16,000 | 16,200    | 61.0       | 15,800 | 16,000    |
| 60                | 36.5       | 13,900 | 14,000    | 45.0       | 13,800 | 14,100    | 51.5       | 13,600 | 13,900    | 57.5       | 13,400 | 13,700    |
| 65                | 29.0       | 11,900 | 12,200    | 40.0       | 11,900 | 12,200    | 47.5       | 11,700 | 12,100    | 54.5       | 11,500 | 11,900    |
| 70                | 19.0       | 10,200 | 10,500    | 34.5       | 10,300 | 10,600    | 43.0       | 10,100 | 10,500    | 51.0       | 9,900  | 10,300    |
| 75                |            |        |           | 27.5       | 8,900  | 9,200     | 38.0       | 8,700  | 9,100     | 47.0       | 8,500  | 8,900     |
| 80                |            |        |           | 18.0       | 7,700  | 8,000     | 32.5       | 7,600  | 7,900     | 43.5       | 7,400  | 7,800     |
| 85                |            |        |           |            |        |           | 26.0       | 6,500  | 6,900     | 39.0       | 6,400  | 6,800     |
| 90                |            |        |           |            |        |           | 17.0       | 5,600  | 6,000     | 34.5       | 5,500  | 5,900     |
| 95                |            |        |           |            |        |           |            |        |           | 29.0       | 4,700  | 5,100     |
| 100               |            |        |           |            |        |           |            |        |           | 22.0       | 4,000  | 4,400     |
| 105               |            |        |           |            |        |           |            |        |           | 11.5       | 3,400  | 3,800     |
| Min.Bm. Ang./Cap. | 0.0        | 8,500  | 8,500     | 0.0        | 6,900  | 6,900     | 0.0        | 5,200  | 5,500     | 0.0        | 3,300  | 3,600     |
| Radius (ft)       | 73.0       |        |           | 83.0       |        |           | 93.0       |        |           | 106.1      |        |           |

SN: P9L4-7599

**Rated Lifting Capacities  
In Pounds**



**Full**



**10,800 lb**

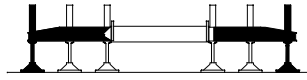


| Load<br>Radius<br>(ft) | 41.0 ft        |         |              | 50.0 ft        |        |              | 60.0 ft        |        |              | 70.0 ft        |        |              |
|------------------------|----------------|---------|--------------|----------------|--------|--------------|----------------|--------|--------------|----------------|--------|--------------|
|                        | $\angle^\circ$ | 360°    | Over<br>Rear | $\angle^\circ$ | 360°   | Over<br>Rear | $\angle^\circ$ | 360°   | Over<br>Rear | $\angle^\circ$ | 360°   | Over<br>Rear |
| 10                     | 70.0           | 137,100 | 137,100      | 74.0           | 89,000 | 89,000       | 77.0           | 77,000 | 77,000       | 79.5           | 74,400 | 74,400       |
| 12                     | 66.5           | 113,100 | 113,100      | 71.5           | 87,100 | 87,100       | 75.0           | 72,200 | 72,200       | 77.5           | 74,300 | 74,300       |
| 15                     | 62.0           | 88,500  | 88,500       | 68.0           | 80,000 | 80,000       | 72.0           | 66,000 | 66,000       | 75.0           | 68,700 | 68,700       |
| 20                     | 53.0           | 63,600  | 63,600       | 61.0           | 65,500 | 65,500       | 67.0           | 57,800 | 57,800       | 71.0           | 60,900 | 60,900       |
| 25                     | 43.0           | 48,500  | 48,500       | 54.0           | 50,400 | 50,400       | 61.5           | 51,400 | 51,400       | 66.5           | 51,900 | 51,900       |
| 30                     | 30.0           | 38,300  | 38,300       | 46.0           | 40,300 | 40,300       | 55.5           | 41,400 | 41,400       | 61.5           | 41,900 | 41,900       |
| 35                     |                |         |              | 36.5           | 32,700 | 32,700       | 49.0           | 33,900 | 33,900       | 56.5           | 34,300 | 34,300       |
| 40                     |                |         |              | 24.0           | 25,800 | 25,800       | 42.0           | 27,100 | 27,100       | 51.0           | 27,500 | 27,500       |
| 45                     |                |         |              |                |        |              | 33.5           | 22,100 | 22,100       | 45.5           | 22,700 | 22,700       |
| 50                     |                |         |              |                |        |              | 21.5           | 18,300 | 18,300       | 38.5           | 18,900 | 18,900       |
| 55                     |                |         |              |                |        |              |                |        |              | 31.0           | 15,900 | 16,000       |
| 60                     |                |         |              |                |        |              |                |        |              | 20.0           | 13,400 | 13,600       |
| Min.Bm.<br>Ang./Cap.   | 0.0            | 25,500  | 25,500       | 0.0            | 16,600 | 16,600       | 0.0            | 12,400 | 12,400       | 0.0            | 10,200 | 10,200       |
| Radius (ft)            | 34.0           |         |              | 43.0           |        |              | 53.0           |        |              | 63.0           |        |              |

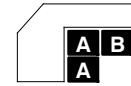
| Load<br>Radius<br>(ft) | 80.0 ft        |        |              | 90.0 ft        |        |              | 98.7 ft        |        |              |
|------------------------|----------------|--------|--------------|----------------|--------|--------------|----------------|--------|--------------|
|                        | $\angle^\circ$ | 360°   | Over<br>Rear | $\angle^\circ$ | 360°   | Over<br>Rear | $\angle^\circ$ | 360°   | Over<br>Rear |
| 12                     | 79.5           | 62,800 | 62,800       |                |        |              |                |        |              |
| 15                     | 77.5           | 62,800 | 62,800       | 79.5           | 61,400 | 61,400       |                |        |              |
| 20                     | 74.0           | 62,800 | 62,800       | 76.5           | 57,100 | 57,100       | 78.0           | 47,900 | 47,900       |
| 25                     | 70.0           | 51,700 | 51,700       | 73.0           | 49,900 | 49,900       | 75.5           | 42,500 | 42,500       |
| 30                     | 66.0           | 41,700 | 41,700       | 69.5           | 41,600 | 41,600       | 72.5           | 38,100 | 38,100       |
| 35                     | 61.5           | 34,100 | 34,100       | 66.0           | 33,900 | 33,900       | 69.0           | 33,800 | 33,800       |
| 40                     | 57.5           | 27,300 | 27,300       | 62.0           | 27,100 | 27,100       | 65.5           | 26,900 | 26,900       |
| 45                     | 52.5           | 22,500 | 22,500       | 58.0           | 22,300 | 22,300       | 62.0           | 22,200 | 22,200       |
| 50                     | 47.5           | 18,700 | 18,800       | 54.0           | 18,600 | 18,600       | 58.5           | 18,400 | 18,500       |
| 55                     | 42.0           | 15,700 | 15,900       | 49.5           | 15,500 | 15,700       | 54.5           | 15,400 | 15,600       |
| 60                     | 36.0           | 13,300 | 13,500       | 45.0           | 13,100 | 13,400       | 50.5           | 13,000 | 13,300       |
| 65                     | 29.0           | 11,400 | 11,600       | 40.0           | 11,200 | 11,600       | 46.5           | 11,100 | 11,500       |
| 70                     | 18.5           | 9,700  | 10,000       | 34.0           | 9,600  | 10,000       | 42.0           | 9,500  | 9,900        |
| 75                     |                |        |              | 27.5           | 8,200  | 8,600        | 37.0           | 8,200  | 8,500        |
| 80                     |                |        |              | 18.0           | 7,000  | 7,400        | 31.5           | 7,000  | 7,400        |
| 85                     |                |        |              |                |        |              | 24.5           | 6,000  | 6,400        |
| 90                     |                |        |              |                |        |              | 14.0           | 5,100  | 5,500        |
| Min.Bm.<br>Ang./Cap.   | 0.0            | 8,200  | 8,200        | 0.0            | 6,400  | 6,500        | 0.0            | 4,800  | 5,200        |
| Radius (ft)            | 73.0           |        |              | 83.0           |        |              | 91.7           |        |              |

**SN: P9L4-7599**

**Fixed Boom Lengths  
Rated Lifting Capacities  
In Pounds  
See Operation Note 10.**



**Full**



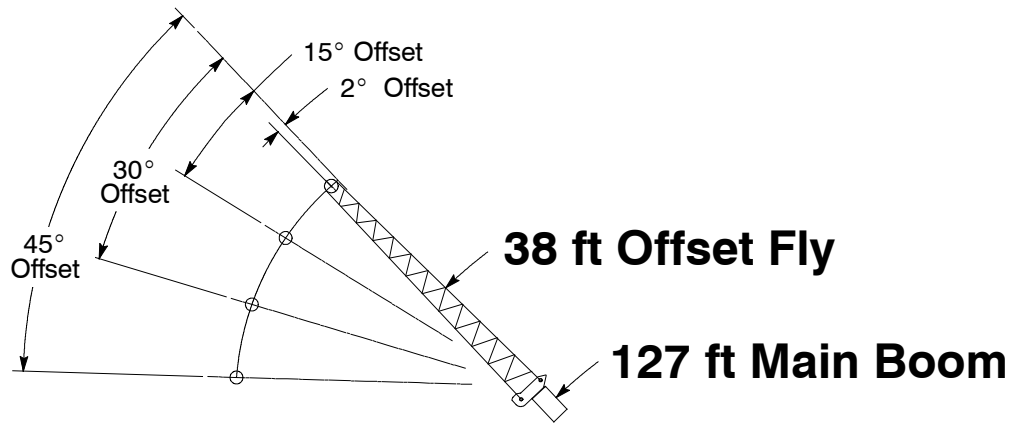
**10,800 lb**

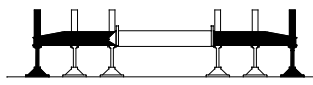
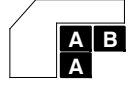


| Load<br>Radius<br>(ft) | 41.0 ft    |         |              | 47.0 ft    |         |              |
|------------------------|------------|---------|--------------|------------|---------|--------------|
|                        | $\angle$ ° | 360°    | Over<br>Rear | $\angle$ ° | 360°    | Over<br>Rear |
| 10                     | 70.0       | 137,100 | 137,100      | 73.0       | 110,700 | 110,700      |
| 12                     | 66.5       | 113,100 | 113,100      | 70.0       | 105,000 | 105,000      |
| 15                     | 62.0       | 88,500  | 88,500       | 66.0       | 89,900  | 89,900       |
| 20                     | 53.0       | 63,600  | 63,600       | 59.0       | 64,900  | 64,900       |
| 25                     | 43.0       | 48,500  | 48,500       | 51.0       | 49,900  | 49,900       |
| 30                     | 30.0       | 38,300  | 38,300       | 42.0       | 39,700  | 39,700       |
| 35                     |            |         |              | 30.5       | 32,000  | 32,000       |
| Min.Bm.<br>Ang./Cap.   | 0.0        | 25,500  | 25,500       | 0.0        | 18,900  | 18,900       |
| Radius (ft)            | 34.0       |         |              | 40.0       |         |              |

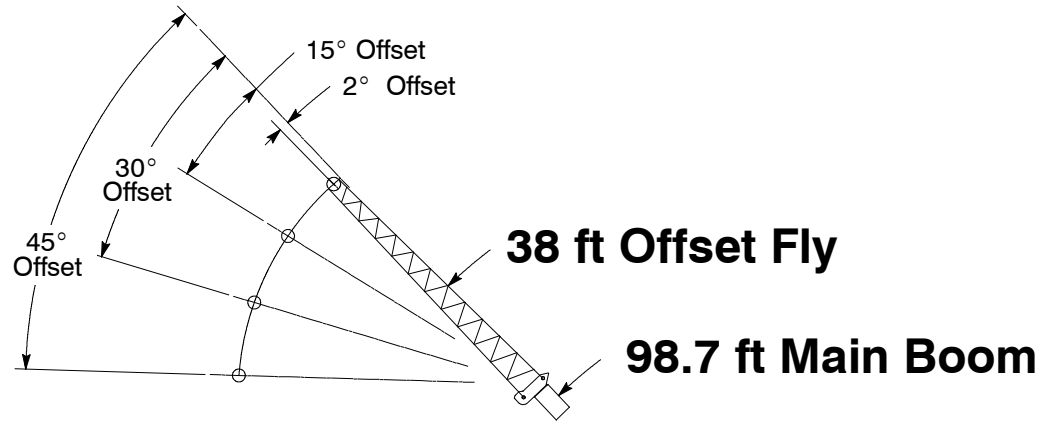
| Load<br>Radius<br>(ft) | 61.3 ft    |         |              | 76.0 ft    |        |              |
|------------------------|------------|---------|--------------|------------|--------|--------------|
|                        | $\angle$ ° | 360°    | Over<br>Rear | $\angle$ ° | 360°   | Over<br>Rear |
| 10                     | 77.5       | 106,900 | 106,900      |            |        |              |
| 12                     | 75.5       | 106,900 | 106,900      | 79.0       | 81,000 | 81,000       |
| 15                     | 72.5       | 90,900  | 90,900       | 77.0       | 77,400 | 77,400       |
| 20                     | 67.5       | 66,100  | 66,100       | 73.0       | 66,000 | 66,000       |
| 25                     | 62.0       | 51,200  | 51,200       | 68.5       | 51,100 | 51,100       |
| 30                     | 56.0       | 41,000  | 41,000       | 64.5       | 41,000 | 41,000       |
| 35                     | 50.0       | 33,500  | 33,500       | 60.0       | 33,300 | 33,300       |
| 40                     | 43.0       | 26,700  | 26,700       | 55.0       | 26,500 | 26,500       |
| 45                     | 35.0       | 21,800  | 21,800       | 50.0       | 21,700 | 21,700       |
| 50                     | 25.0       | 18,000  | 18,000       | 44.5       | 18,000 | 18,100       |
| 55                     |            |         |              | 38.5       | 15,000 | 15,100       |
| 60                     |            |         |              | 31.0       | 12,600 | 12,800       |
| 65                     |            |         |              | 21.5       | 10,600 | 10,900       |
| Min.Bm.<br>Ang./Cap.   | 0.0        | 13,700  | 13,700       | 0.0        | 9,200  | 9,500        |
| Radius (ft)            | 54.3       |         |              | 69.0       |        |              |

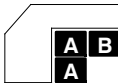
**SN: P9L4-7599**



| Rated Lifting Capacities<br>In Pounds        |                                                                                     |        | <br>Full |        | <br>10,800 lb |       |    |       |
|----------------------------------------------|-------------------------------------------------------------------------------------|--------|-------------------------------------------------------------------------------------------|--------|--------------------------------------------------------------------------------------------------|-------|---------------------------------------------------------------------------------------|-------|
| Load<br>Radius<br>(ft)                       | 2° Offset                                                                           |        | 15° Offset                                                                                |        | 30° Offset                                                                                       |       | 45° Offset                                                                            |       |
|                                              |  ° | 360°   |  °       | 360°   |  °              | 360°  |  ° | 360°  |
| 35                                           | 79.5                                                                                | 10,900 |                                                                                           |        |                                                                                                  |       |                                                                                       |       |
| 40                                           | 78.0                                                                                | 10,900 |                                                                                           |        |                                                                                                  |       |                                                                                       |       |
| 45                                           | 76.5                                                                                | 10,900 | 79.5                                                                                      | 10,400 |                                                                                                  |       |                                                                                       |       |
| 50                                           | 75.0                                                                                | 10,900 | 78.0                                                                                      | 10,300 |                                                                                                  |       |                                                                                       |       |
| 55                                           | 73.5                                                                                | 10,900 | 76.5                                                                                      | 10,100 | 79.5                                                                                             | 9,100 |                                                                                       |       |
| 60                                           | 72.0                                                                                | 10,900 | 75.0                                                                                      | 9,900  | 77.5                                                                                             | 8,900 |                                                                                       |       |
| 65                                           | 70.5                                                                                | 10,700 | 73.0                                                                                      | 9,700  | 76.0                                                                                             | 8,700 | 78.0                                                                                  | 8,100 |
| 70                                           | 69.0                                                                                | 10,500 | 71.5                                                                                      | 9,500  | 74.0                                                                                             | 8,600 | 76.5                                                                                  | 8,000 |
| 75                                           | 67.0                                                                                | 9,700  | 69.5                                                                                      | 9,300  | 72.5                                                                                             | 8,500 | 74.5                                                                                  | 7,900 |
| 80                                           | 64.5                                                                                | 8,500  | 67.5                                                                                      | 9,000  | 70.5                                                                                             | 8,300 | 72.5                                                                                  | 7,700 |
| 85                                           | 62.0                                                                                | 7,500  | 65.5                                                                                      | 8,000  | 68.5                                                                                             | 8,000 | 70.5                                                                                  | 7,700 |
| 90                                           | 59.5                                                                                | 6,600  | 63.0                                                                                      | 7,100  | 66.5                                                                                             | 7,500 | 68.5                                                                                  | 7,400 |
| 95                                           | 57.5                                                                                | 5,800  | 60.5                                                                                      | 6,200  | 63.5                                                                                             | 6,700 | 66.0                                                                                  | 7,000 |
| 100                                          | 55.0                                                                                | 5,100  | 58.0                                                                                      | 5,500  | 61.0                                                                                             | 5,900 | 63.5                                                                                  | 6,100 |
| 105                                          | 52.5                                                                                | 4,500  | 55.5                                                                                      | 4,800  | 58.5                                                                                             | 5,200 | 60.5                                                                                  | 5,400 |
| 110                                          | 49.5                                                                                | 3,900  | 53.0                                                                                      | 4,200  | 55.5                                                                                             | 4,500 | 57.5                                                                                  | 4,700 |
| 115                                          | 47.0                                                                                | 3,400  | 50.0                                                                                      | 3,700  | 52.5                                                                                             | 4,000 | 54.5                                                                                  | 4,100 |
| 120                                          | 44.0                                                                                | 3,000  | 47.0                                                                                      | 3,200  | 49.5                                                                                             | 3,500 | 51.0                                                                                  | 3,600 |
| 125                                          | 41.0                                                                                | 2,500  | 44.0                                                                                      | 2,800  | 46.5                                                                                             | 3,000 | 47.5                                                                                  | 3,100 |
| 130                                          | 38.0                                                                                | 2,200  | 41.0                                                                                      | 2,400  | 43.0                                                                                             | 2,500 |                                                                                       |       |
| 135                                          | 34.5                                                                                | 1,800  | 37.0                                                                                      | 2,000  | 39.0                                                                                             | 2,100 |                                                                                       |       |
| 140                                          | 30.5                                                                                | 1,500  | 33.0                                                                                      | 1,600  | 35.0                                                                                             | 1,700 |                                                                                       |       |
| 145                                          | 26.0                                                                                | 1,200  | 28.5                                                                                      | 1,300  | 30.0                                                                                             | 1,400 |                                                                                       |       |
| 150                                          |                                                                                     |        | 23.0                                                                                      | 1,000  |                                                                                                  |       |                                                                                       |       |
| Min. Bm.<br>Ang./Cap.                        | 20.0                                                                                |        | 21.0                                                                                      |        | 17.0                                                                                             |       | 15.0                                                                                  |       |
| Radius (ft)                                  | 150.0                                                                               |        | 151.7                                                                                     |        | 150.9                                                                                            |       | 147.0                                                                                 |       |
| Maximum Boom Length<br>At 0° Boom Angle (ft) |                                                                                     | 114    |                                                                                           |        |                                                                                                  |       |                                                                                       |       |

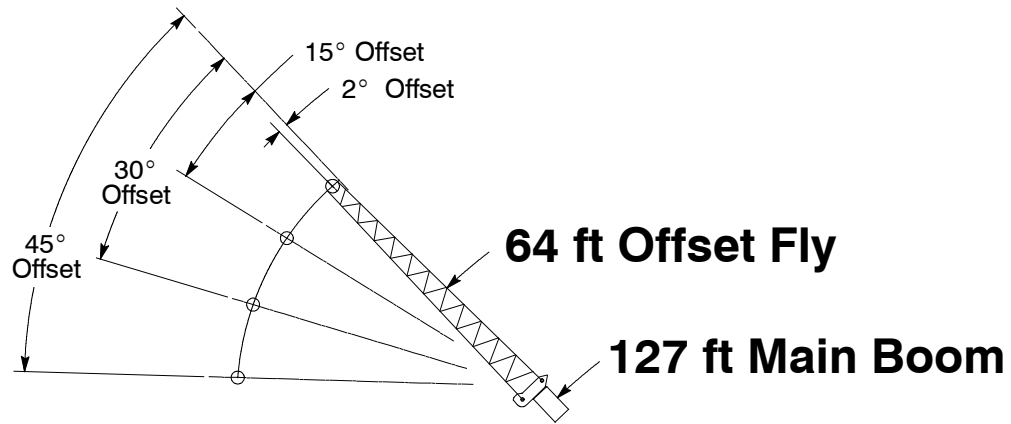
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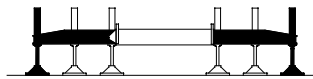
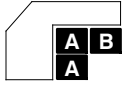


| Rated Lifting Capacities<br>In Pounds |                                                                                     |        |    |        | <br>10,800 lb |        |    |       |
|---------------------------------------|-------------------------------------------------------------------------------------|--------|-------------------------------------------------------------------------------------|--------|--------------------------------------------------------------------------------------------------|--------|---------------------------------------------------------------------------------------|-------|
| Load<br>Radius<br>(ft)                | 2° Offset                                                                           |        | 15° Offset                                                                          |        | 30° Offset                                                                                       |        | 45° Offset                                                                            |       |
|                                       |  ° | 360°   |  ° | 360°   |  °             | 360°   |  ° | 360°  |
| 30                                    | 78.0                                                                                | 16,200 |                                                                                     | 12,500 |                                                                                                  |        |                                                                                       |       |
| 35                                    | 76.0                                                                                | 15,600 |                                                                                     |        |                                                                                                  |        |                                                                                       |       |
| 40                                    | 74.0                                                                                | 14,900 |                                                                                     |        |                                                                                                  |        |                                                                                       |       |
| 45                                    | 72.0                                                                                | 14,300 | 75.0                                                                                | 12,000 | 78.5                                                                                             | 10,100 |                                                                                       |       |
| 50                                    | 69.5                                                                                | 13,600 | 73.0                                                                                | 11,500 | 76.5                                                                                             | 9,800  |                                                                                       |       |
| 55                                    | 67.5                                                                                | 13,000 | 70.5                                                                                | 11,100 | 74.0                                                                                             | 9,500  |                                                                                       |       |
| 60                                    | 65.0                                                                                | 12,500 | 68.5                                                                                | 10,700 | 72.0                                                                                             | 9,300  | 74.5                                                                                  | 8,400 |
| 65                                    | 63.0                                                                                | 11,900 | 66.0                                                                                | 10,300 | 69.5                                                                                             | 9,000  | 72.0                                                                                  | 8,300 |
| 70                                    | 60.5                                                                                | 10,900 | 63.5                                                                                | 10,000 | 67.0                                                                                             | 8,800  | 69.5                                                                                  | 8,100 |
| 75                                    | 57.5                                                                                | 9,500  | 61.0                                                                                | 9,700  | 64.5                                                                                             | 8,600  | 67.0                                                                                  | 8,000 |
| 80                                    | 54.5                                                                                | 8,300  | 58.5                                                                                | 8,800  | 62.0                                                                                             | 8,500  | 64.0                                                                                  | 7,900 |
| 85                                    | 51.5                                                                                | 7,300  | 55.5                                                                                | 7,800  | 59.0                                                                                             | 8,200  | 61.0                                                                                  | 7,800 |
| 90                                    | 48.5                                                                                | 6,400  | 52.5                                                                                | 6,800  | 55.5                                                                                             | 7,200  | 58.0                                                                                  | 7,500 |
| 95                                    | 45.5                                                                                | 5,600  | 49.0                                                                                | 6,000  | 52.5                                                                                             | 6,300  | 54.5                                                                                  | 6,500 |
| 100                                   | 42.0                                                                                | 4,900  | 45.5                                                                                | 5,200  | 48.5                                                                                             | 5,500  | 50.5                                                                                  | 5,700 |
| 105                                   | 38.5                                                                                | 4,300  | 42.0                                                                                | 4,600  | 44.5                                                                                             | 4,800  | 46.0                                                                                  | 4,900 |
| 110                                   | 34.5                                                                                | 3,700  | 37.5                                                                                | 4,000  | 40.5                                                                                             | 4,200  |                                                                                       |       |
| 115                                   | 30.0                                                                                | 3,200  | 33.0                                                                                | 3,400  | 35.5                                                                                             | 3,600  |                                                                                       |       |
| 120                                   | 24.5                                                                                | 2,800  | 27.5                                                                                | 2,900  |                                                                                                  |        |                                                                                       |       |
| 125                                   | 17.5                                                                                | 2,300  | 20.5                                                                                | 2,400  |                                                                                                  |        |                                                                                       |       |
| Min.Bm.<br>Ang./Cap.                  | 0.0                                                                                 | 1,900  | 0.0                                                                                 | 1,900  | 0.0                                                                                              | 2,100  | 0.0                                                                                   | 2,300 |
| Radius (ft)                           | 129.7                                                                               |        | 129.3                                                                               |        | 127.0                                                                                            |        | 122.9                                                                                 |       |

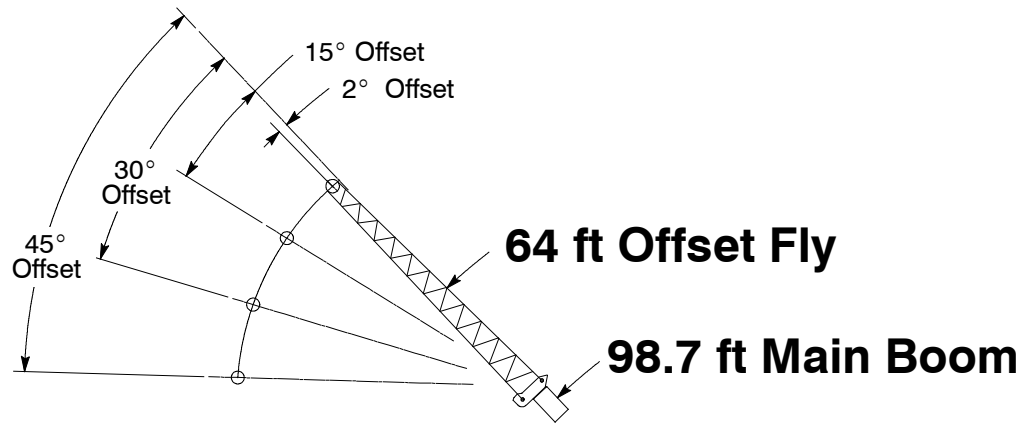
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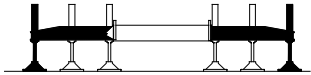
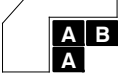




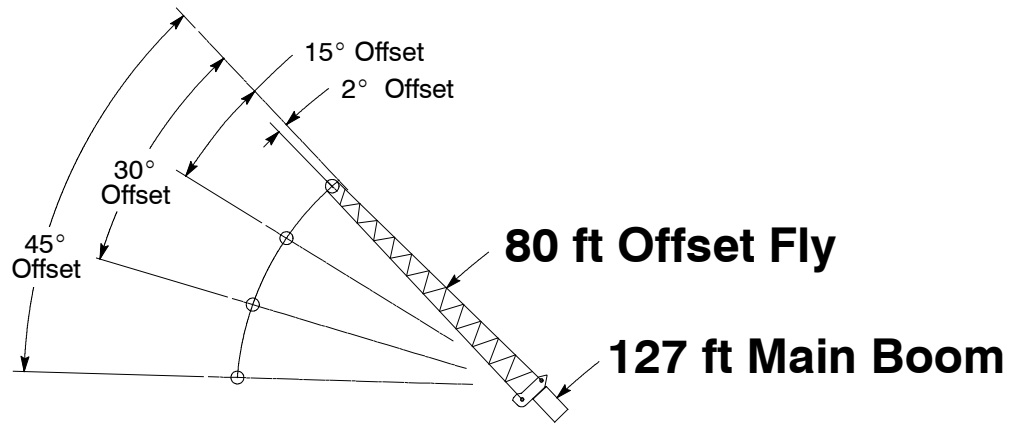
| Rated Lifting Capacities<br>In Pounds        |                                                                                     |       | <br>Full |       | <br>10,800 lb |       |    |       |
|----------------------------------------------|-------------------------------------------------------------------------------------|-------|-------------------------------------------------------------------------------------------|-------|--------------------------------------------------------------------------------------------------|-------|---------------------------------------------------------------------------------------|-------|
| Load<br>Radius<br>(ft)                       | 2° Offset                                                                           |       | 15° Offset                                                                                |       | 30° Offset                                                                                       |       | 45° Offset                                                                            |       |
|                                              |  ° | 360°  |  °       | 360°  |  °              | 360°  |  ° | 360°  |
| 45                                           | 79.5                                                                                | 7,300 |                                                                                           |       |                                                                                                  |       |                                                                                       |       |
| 50                                           | 78.5                                                                                | 7,300 |                                                                                           |       |                                                                                                  |       |                                                                                       |       |
| 55                                           | 77.0                                                                                | 7,200 |                                                                                           |       |                                                                                                  |       |                                                                                       |       |
| 60                                           | 76.0                                                                                | 7,100 |                                                                                           |       |                                                                                                  |       |                                                                                       |       |
| 65                                           | 74.5                                                                                | 6,900 | 79.0                                                                                      | 6,100 |                                                                                                  |       |                                                                                       |       |
| 70                                           | 73.0                                                                                | 6,800 | 77.5                                                                                      | 6,000 |                                                                                                  |       |                                                                                       |       |
| 75                                           | 72.0                                                                                | 6,600 | 76.0                                                                                      | 5,800 |                                                                                                  |       |                                                                                       |       |
| 80                                           | 70.5                                                                                | 6,500 | 74.5                                                                                      | 5,600 | 79.0                                                                                             | 4,900 |                                                                                       |       |
| 85                                           | 69.0                                                                                | 6,300 | 73.0                                                                                      | 5,500 | 77.5                                                                                             | 4,800 |                                                                                       |       |
| 90                                           | 67.5                                                                                | 6,100 | 71.5                                                                                      | 5,300 | 76.0                                                                                             | 4,700 | 79.5                                                                                  | 4,200 |
| 95                                           | 66.0                                                                                | 5,900 | 70.0                                                                                      | 5,200 | 74.0                                                                                             | 4,600 | 78.0                                                                                  | 4,200 |
| 100                                          | 64.5                                                                                | 5,700 | 68.5                                                                                      | 5,100 | 72.5                                                                                             | 4,500 | 76.0                                                                                  | 4,100 |
| 105                                          | 62.0                                                                                | 5,100 | 66.5                                                                                      | 4,900 | 71.0                                                                                             | 4,400 | 74.5                                                                                  | 4,100 |
| 110                                          | 60.0                                                                                | 4,500 | 65.0                                                                                      | 4,700 | 69.0                                                                                             | 4,300 | 72.5                                                                                  | 4,100 |
| 115                                          | 58.0                                                                                | 4,000 | 63.0                                                                                      | 4,500 | 67.0                                                                                             | 4,200 | 70.5                                                                                  | 4,000 |
| 120                                          | 56.0                                                                                | 3,500 | 61.0                                                                                      | 4,000 | 65.0                                                                                             | 4,000 | 68.5                                                                                  | 3,900 |
| 125                                          | 54.0                                                                                | 3,100 | 58.5                                                                                      | 3,600 | 63.0                                                                                             | 3,900 | 66.5                                                                                  | 3,800 |
| 130                                          | 51.5                                                                                | 2,700 | 56.5                                                                                      | 3,100 | 61.0                                                                                             | 3,600 | 64.0                                                                                  | 3,600 |
| 135                                          | 49.5                                                                                | 2,300 | 54.0                                                                                      | 2,700 | 58.5                                                                                             | 3,100 | 61.5                                                                                  | 3,400 |
| 140                                          | 47.0                                                                                | 2,000 | 51.5                                                                                      | 2,400 | 56.0                                                                                             | 2,700 | 58.5                                                                                  | 2,900 |
| 145                                          | 45.0                                                                                | 1,700 | 49.5                                                                                      | 2,000 | 53.0                                                                                             | 2,300 | 55.5                                                                                  | 2,500 |
| 150                                          | 42.5                                                                                | 1,400 | 46.5                                                                                      | 1,700 | 50.5                                                                                             | 2,000 | 52.5                                                                                  | 2,100 |
| 155                                          | 40.0                                                                                | 1,200 | 44.0                                                                                      | 1,400 | 47.5                                                                                             | 1,700 | 49.0                                                                                  | 1,700 |
| 160                                          |                                                                                     |       | 41.5                                                                                      | 1,200 | 44.5                                                                                             | 1,300 | 45.0                                                                                  | 1,400 |
| 165                                          |                                                                                     |       |                                                                                           |       | 41.0                                                                                             | 1,000 |                                                                                       |       |
| Min.Bm.<br>Ang./Cap.                         | 37.5                                                                                |       | 38.5                                                                                      |       | 39.0                                                                                             |       | 39.5                                                                                  |       |
| Radius (ft)                                  | 160.0                                                                               |       | 165.0                                                                                     |       | 167.5                                                                                            |       | 166.3                                                                                 |       |
| Maximum Boom Length At<br>0° Boom Angle (ft) |                                                                                     | 105   |                                                                                           |       |                                                                                                  |       |                                                                                       |       |

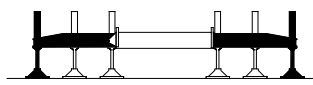
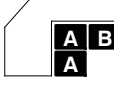
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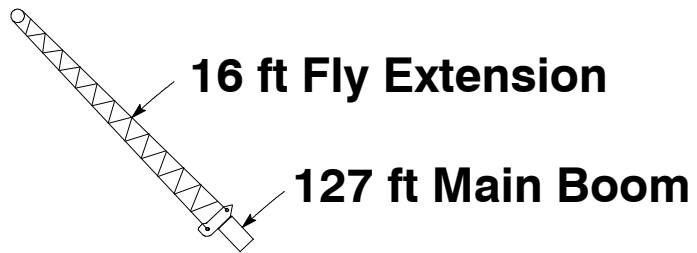
| Rated Lifting Capacities<br>In Pounds |            |        | <br>Full |       | <br>10,800 lb |       |  |       |
|---------------------------------------|------------|--------|-------------------------------------------------------------------------------------------|-------|--------------------------------------------------------------------------------------------------|-------|-------------------------------------------------------------------------------------|-------|
| Load<br>Radius<br>(ft)                | 2° Offset  |        | 15° Offset                                                                                |       | 30° Offset                                                                                       |       | 45° Offset                                                                          |       |
|                                       | $\angle$ ° | 360°   | $\angle$ °                                                                                | 360°  | $\angle$ °                                                                                       | 360°  | $\angle$ °                                                                          | 360°  |
| 35                                    | 79.5       | 10,300 |                                                                                           |       |                                                                                                  |       |                                                                                     |       |
| 40                                    | 77.5       | 9,900  |                                                                                           |       |                                                                                                  |       |                                                                                     |       |
| 45                                    | 76.0       | 9,400  |                                                                                           |       |                                                                                                  |       |                                                                                     |       |
| 50                                    | 74.5       | 9,000  | 79.5                                                                                      | 7,400 |                                                                                                  |       |                                                                                     |       |
| 55                                    | 72.5       | 8,500  | 77.5                                                                                      | 7,000 |                                                                                                  |       |                                                                                     |       |
| 60                                    | 71.0       | 8,100  | 76.0                                                                                      | 6,700 |                                                                                                  |       |                                                                                     |       |
| 65                                    | 69.0       | 7,700  | 74.0                                                                                      | 6,400 | 79.5                                                                                             | 5,400 |                                                                                     |       |
| 70                                    | 67.0       | 7,300  | 72.0                                                                                      | 6,200 | 77.5                                                                                             | 5,200 |                                                                                     |       |
| 75                                    | 65.5       | 7,000  | 70.0                                                                                      | 5,900 | 75.5                                                                                             | 5,100 |                                                                                     |       |
| 80                                    | 63.5       | 6,700  | 68.5                                                                                      | 5,700 | 73.5                                                                                             | 4,900 | 78.0                                                                                | 4,400 |
| 85                                    | 61.5       | 6,400  | 66.5                                                                                      | 5,500 | 71.5                                                                                             | 4,800 | 76.0                                                                                | 4,300 |
| 90                                    | 59.5       | 6,100  | 64.5                                                                                      | 5,300 | 69.5                                                                                             | 4,700 | 73.5                                                                                | 4,300 |
| 95                                    | 57.5       | 5,800  | 62.0                                                                                      | 5,100 | 67.0                                                                                             | 4,600 | 71.5                                                                                | 4,200 |
| 100                                   | 55.0       | 5,600  | 60.0                                                                                      | 5,000 | 65.0                                                                                             | 4,500 | 69.0                                                                                | 4,200 |
| 105                                   | 52.5       | 5,100  | 57.5                                                                                      | 4,800 | 62.5                                                                                             | 4,400 | 66.5                                                                                | 4,100 |
| 110                                   | 50.0       | 4,500  | 55.5                                                                                      | 4,700 | 60.0                                                                                             | 4,300 | 63.5                                                                                | 4,100 |
| 115                                   | 47.5       | 4,000  | 53.0                                                                                      | 4,500 | 57.5                                                                                             | 4,200 | 61.0                                                                                | 4,100 |
| 120                                   | 45.0       | 3,600  | 50.0                                                                                      | 4,000 | 54.5                                                                                             | 4,200 | 57.5                                                                                | 4,100 |
| 125                                   | 42.0       | 3,100  | 47.0                                                                                      | 3,500 | 51.5                                                                                             | 3,900 | 54.5                                                                                | 4,100 |
| 130                                   | 39.0       | 2,700  | 44.0                                                                                      | 3,100 | 48.0                                                                                             | 3,400 | 50.0                                                                                | 3,500 |
| 135                                   | 35.5       | 2,400  | 40.5                                                                                      | 2,700 | 44.5                                                                                             | 2,900 | 45.5                                                                                | 3,000 |
| 140                                   | 32.0       | 2,100  | 36.5                                                                                      | 2,300 | 40.0                                                                                             | 2,500 |                                                                                     |       |
| 145                                   | 28.0       | 1,800  | 32.5                                                                                      | 2,000 | 34.5                                                                                             | 2,100 |                                                                                     |       |
| 150                                   | 22.5       | 1,500  | 26.5                                                                                      | 1,600 |                                                                                                  |       |                                                                                     |       |
| 155                                   | 13.5       | 1,200  |                                                                                           |       |                                                                                                  |       |                                                                                     |       |
| Min.Bm.<br>Ang./Cap.                  | 0.0        | 1,100  | 0.0                                                                                       | 1,100 | 0.0                                                                                              | 1,200 | 0.0                                                                                 | 1,400 |
| Radius (ft)                           | 155.7      |        | 154.9                                                                                     |       | 151.5                                                                                            |       | 145.5                                                                               |       |

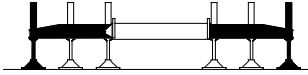
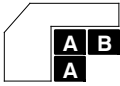
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| Rated Lifting Capacities<br>In Pounds        |                                                                                     |       | <br>Full |       | <br>10,800 lb |       |    |       |
|----------------------------------------------|-------------------------------------------------------------------------------------|-------|-------------------------------------------------------------------------------------------|-------|--------------------------------------------------------------------------------------------------|-------|---------------------------------------------------------------------------------------|-------|
| Load<br>Radius<br>(ft)                       | 2° Offset                                                                           |       | 15° Offset                                                                                |       | 30° Offset                                                                                       |       | 45° Offset                                                                            |       |
|                                              |  ° | 360°  |  °       | 360°  |  °              | 360°  |  ° | 360°  |
| 50                                           | 79.0                                                                                | 5,800 |                                                                                           |       |                                                                                                  |       |                                                                                       |       |
| 55                                           | 78.0                                                                                | 5,800 |                                                                                           |       |                                                                                                  |       |                                                                                       |       |
| 60                                           | 77.0                                                                                | 5,800 |                                                                                           |       |                                                                                                  |       |                                                                                       |       |
| 65                                           | 76.0                                                                                | 5,800 | 79.5                                                                                      | 5,600 |                                                                                                  |       |                                                                                       |       |
| 70                                           | 75.0                                                                                | 5,800 | 78.0                                                                                      | 5,300 |                                                                                                  |       |                                                                                       |       |
| 75                                           | 73.5                                                                                | 5,800 | 76.5                                                                                      | 5,000 |                                                                                                  |       |                                                                                       |       |
| 80                                           | 72.0                                                                                | 5,500 | 75.5                                                                                      | 4,700 | 79.0                                                                                             | 3,900 |                                                                                       |       |
| 85                                           | 71.0                                                                                | 5,200 | 74.0                                                                                      | 4,400 | 78.0                                                                                             | 3,700 |                                                                                       |       |
| 90                                           | 69.5                                                                                | 4,900 | 72.5                                                                                      | 4,200 | 76.5                                                                                             | 3,500 | 80.0                                                                                  | 3,100 |
| 95                                           | 68.0                                                                                | 4,600 | 71.0                                                                                      | 4,000 | 75.0                                                                                             | 3,400 | 78.5                                                                                  | 2,900 |
| 100                                          | 66.5                                                                                | 4,400 | 69.5                                                                                      | 3,800 | 73.5                                                                                             | 3,200 | 76.5                                                                                  | 2,800 |
| 105                                          | 65.0                                                                                | 4,200 | 68.0                                                                                      | 3,600 | 72.0                                                                                             | 3,100 | 75.0                                                                                  | 2,700 |
| 110                                          | 63.5                                                                                | 4,000 | 66.5                                                                                      | 3,500 | 70.5                                                                                             | 2,900 | 73.5                                                                                  | 2,600 |
| 115                                          | 62.0                                                                                | 3,800 | 65.0                                                                                      | 3,300 | 68.5                                                                                             | 2,800 | 72.0                                                                                  | 2,500 |
| 120                                          | 60.0                                                                                | 3,400 | 63.0                                                                                      | 3,200 | 67.0                                                                                             | 2,700 | 70.0                                                                                  | 2,500 |
| 125                                          | 58.0                                                                                | 2,900 | 61.5                                                                                      | 3,000 | 65.5                                                                                             | 2,600 | 68.5                                                                                  | 2,400 |
| 130                                          | 56.0                                                                                | 2,500 | 60.0                                                                                      | 2,900 | 63.5                                                                                             | 2,500 | 66.5                                                                                  | 2,300 |
| 135                                          | 54.0                                                                                | 2,200 | 58.0                                                                                      | 2,600 | 62.0                                                                                             | 2,500 | 64.5                                                                                  | 2,300 |
| 140                                          | 52.0                                                                                | 1,900 | 56.0                                                                                      | 2,200 | 60.0                                                                                             | 2,400 | 62.5                                                                                  | 2,200 |
| 145                                          | 50.0                                                                                | 1,500 | 54.0                                                                                      | 1,900 | 58.0                                                                                             | 2,300 | 60.5                                                                                  | 2,200 |
| 150                                          | 48.5                                                                                | 1,300 | 52.0                                                                                      | 1,600 | 55.5                                                                                             | 1,900 | 58.5                                                                                  | 2,100 |
| 155                                          | 46.5                                                                                | 1,000 | 49.5                                                                                      | 1,300 | 53.5                                                                                             | 1,600 | 56.0                                                                                  | 1,800 |
| 160                                          |                                                                                     |       | 47.5                                                                                      | 1,000 | 51.0                                                                                             | 1,300 | 53.0                                                                                  | 1,400 |
| 165                                          |                                                                                     |       |                                                                                           |       | 48.5                                                                                             | 1,000 | 50.5                                                                                  | 1,100 |
| Min. Bm.<br>Ang./Cap.                        | 44.5                                                                                |       | 46.5                                                                                      |       | 47.5                                                                                             |       | 48.5                                                                                  |       |
| Radius (ft)                                  | 156.7                                                                               |       | 162.5                                                                                     |       | 166.7                                                                                            |       | 168.3                                                                                 |       |
| Maximum Boom Length At<br>0° Boom Angle (ft) |                                                                                     | 94    |                                                                                           |       |                                                                                                  |       |                                                                                       |       |

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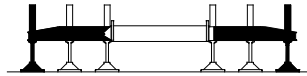
| <div> <div>Rated Lifting Capacities<br/>In Pounds</div> <div>  <div>Full</div> </div> <div>  <div>10,800 lb</div> </div> <div>  </div> </div> |                |        |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|--------|
| Load<br>Radius<br>(ft)                                                                                                                                                                                                                                                                                                                                                                               | $\angle^\circ$ | 360°   |
| 30                                                                                                                                                                                                                                                                                                                                                                                                   | 78.5           | 15,600 |
| 35                                                                                                                                                                                                                                                                                                                                                                                                   | 77.0           | 15,600 |
| 40                                                                                                                                                                                                                                                                                                                                                                                                   | 75.0           | 15,600 |
| 45                                                                                                                                                                                                                                                                                                                                                                                                   | 73.5           | 15,600 |
| 50                                                                                                                                                                                                                                                                                                                                                                                                   | 71.5           | 15,600 |
| 55                                                                                                                                                                                                                                                                                                                                                                                                   | 70.0           | 15,600 |
| 60                                                                                                                                                                                                                                                                                                                                                                                                   | 67.5           | 14,100 |
| 65                                                                                                                                                                                                                                                                                                                                                                                                   | 65.0           | 12,300 |
| 70                                                                                                                                                                                                                                                                                                                                                                                                   | 62.0           | 10,600 |
| 75                                                                                                                                                                                                                                                                                                                                                                                                   | 59.5           | 9,200  |
| 80                                                                                                                                                                                                                                                                                                                                                                                                   | 57.0           | 8,000  |
| 85                                                                                                                                                                                                                                                                                                                                                                                                   | 54.0           | 7,000  |
| 90                                                                                                                                                                                                                                                                                                                                                                                                   | 51.5           | 6,200  |
| 95                                                                                                                                                                                                                                                                                                                                                                                                   | 48.5           | 5,400  |
| 100                                                                                                                                                                                                                                                                                                                                                                                                  | 45.5           | 4,700  |
| 105                                                                                                                                                                                                                                                                                                                                                                                                  | 42.0           | 4,100  |
| 110                                                                                                                                                                                                                                                                                                                                                                                                  | 38.5           | 3,500  |
| 115                                                                                                                                                                                                                                                                                                                                                                                                  | 35.0           | 3,000  |
| 120                                                                                                                                                                                                                                                                                                                                                                                                  | 30.5           | 2,600  |
| 125                                                                                                                                                                                                                                                                                                                                                                                                  | 26.0           | 2,200  |
| 130                                                                                                                                                                                                                                                                                                                                                                                                  | 20.0           | 1,800  |
| 135                                                                                                                                                                                                                                                                                                                                                                                                  | 10.0           | 1,500  |
| Min.Bm.<br>Ang./Cap.                                                                                                                                                                                                                                                                                                                                                                                 | 0.0            | 1,400  |
| Radius (ft)                                                                                                                                                                                                                                                                                                                                                                                          | 136.1          |        |

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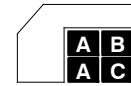
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**SN: P9L4-7599**

**Rated Lifting Capacities  
In Pounds**



Full



13,000 lb

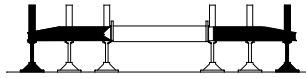


| Load<br>Radius<br>(ft) | 41.0 ft    |         |              | 50.0 ft    |        |              | 60.0 ft    |        |              |
|------------------------|------------|---------|--------------|------------|--------|--------------|------------|--------|--------------|
|                        | $\angle$ ° | 360°    | Over<br>Rear | $\angle$ ° | 360°   | Over<br>Rear | $\angle$ ° | 360°   | Over<br>Rear |
| 10                     | 70.0       | 139,100 | 139,100      | 74.0       | 89,000 | 89,000       | 77.0       | 62,900 | 62,900       |
| 12                     | 66.5       | 115,100 | 115,100      | 71.5       | 87,100 | 87,100       | 75.0       | 58,500 | 58,500       |
| 15                     | 62.0       | 90,000  | 90,000       | 68.0       | 80,000 | 80,000       | 72.0       | 53,000 | 53,000       |
| 20                     | 53.0       | 64,700  | 64,700       | 61.0       | 66,700 | 66,700       | 67.0       | 45,700 | 45,700       |
| 25                     | 43.0       | 49,400  | 49,400       | 54.0       | 51,400 | 51,400       | 61.5       | 40,200 | 40,200       |
| 30                     | 30.0       | 39,100  | 39,100       | 46.0       | 41,100 | 41,100       | 55.5       | 35,900 | 35,900       |
| 35                     |            |         |              | 36.5       | 33,700 | 33,700       | 49.0       | 32,400 | 32,400       |
| 40                     |            |         |              | 24.0       | 27,100 | 27,100       | 42.0       | 28,700 | 28,700       |
| 45                     |            |         |              |            |        |              | 33.5       | 23,500 | 23,500       |
| 50                     |            |         |              |            |        |              | 22.0       | 19,600 | 19,600       |
| Min.Bm.<br>Ang./Cap.   | 0.0        | 25,600  | 25,600       | 0.0        | 16,700 | 16,700       | 0.0        | 11,600 | 11,600       |
| Radius (ft)            | 34.0       |         |              | 43.0       |        |              | 53.0       |        |              |

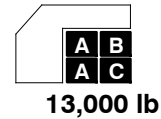
| Load<br>Radius<br>(ft) | 70.0 ft    |        |              | 80.0 ft    |        |              | 90.0 ft    |        |              |
|------------------------|------------|--------|--------------|------------|--------|--------------|------------|--------|--------------|
|                        | $\angle$ ° | 360°   | Over<br>Rear | $\angle$ ° | 360°   | Over<br>Rear | $\angle$ ° | 360°   | Over<br>Rear |
| 10                     | 79.0       | 49,800 | 49,800       |            |        |              |            |        |              |
| 12                     | 77.5       | 46,500 | 46,500       | 79.5       | 42,400 | 42,400       |            |        |              |
| 15                     | 75.0       | 42,200 | 42,200       | 77.5       | 42,400 | 42,400       | 79.0       | 36,700 | 36,700       |
| 20                     | 70.5       | 36,400 | 36,400       | 73.5       | 37,900 | 37,900       | 76.0       | 36,700 | 36,700       |
| 25                     | 66.0       | 31,900 | 31,900       | 70.0       | 33,800 | 33,800       | 73.0       | 34,500 | 34,500       |
| 30                     | 61.5       | 28,400 | 28,400       | 66.0       | 30,300 | 30,300       | 69.5       | 30,700 | 30,700       |
| 35                     | 56.5       | 25,600 | 25,600       | 62.0       | 27,500 | 27,500       | 66.0       | 27,700 | 27,700       |
| 40                     | 51.5       | 23,200 | 23,200       | 57.5       | 25,200 | 25,200       | 62.5       | 25,200 | 25,200       |
| 45                     | 45.5       | 21,300 | 21,300       | 53.0       | 23,200 | 23,200       | 58.5       | 23,100 | 23,100       |
| 50                     | 39.0       | 19,600 | 19,600       | 48.0       | 20,900 | 20,900       | 54.5       | 21,000 | 21,000       |
| 55                     | 31.0       | 17,500 | 17,500       | 42.5       | 17,800 | 17,800       | 50.0       | 18,000 | 18,000       |
| 60                     | 20.5       | 15,000 | 15,000       | 36.5       | 15,300 | 15,400       | 45.5       | 15,500 | 15,600       |
| 65                     |            |        |              | 29.0       | 13,300 | 13,400       | 40.0       | 13,500 | 13,600       |
| 70                     |            |        |              | 19.0       | 11,600 | 11,700       | 34.5       | 11,800 | 12,000       |
| 75                     |            |        |              |            |        |              | 27.5       | 10,300 | 10,500       |
| 80                     |            |        |              |            |        |              | 18.0       | 9,100  | 9,300        |
| Min.Bm.<br>Ang./Cap.   | 0.0        | 8,700  | 8,700        | 0.0        | 7,300  | 7,300        | 0.0        | 6,200  | 6,200        |
| Radius (ft)            | 63.0       |        |              | 73.0       |        |              | 83.0       |        |              |

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**Rated Lifting Capacities  
In Pounds**



**Full**

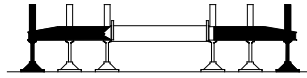


| Load<br>Radius<br>(ft) | 100.0 ft   |        |              | 110.0 ft   |        |              |
|------------------------|------------|--------|--------------|------------|--------|--------------|
|                        | $\angle$ ° | 360°   | Over<br>Rear | $\angle$ ° | 360°   | Over<br>Rear |
| 20                     | 77.5       | 30,700 | 30,700       | 79.0       | 29,100 | 29,100       |
| 25                     | 75.0       | 30,700 | 30,700       | 77.0       | 29,100 | 29,100       |
| 30                     | 72.0       | 28,400 | 28,400       | 74.5       | 29,100 | 29,100       |
| 35                     | 69.0       | 25,700 | 25,700       | 72.0       | 26,600 | 26,600       |
| 40                     | 66.0       | 23,400 | 23,400       | 69.0       | 24,400 | 24,400       |
| 45                     | 62.5       | 21,400 | 21,400       | 66.0       | 22,500 | 22,500       |
| 50                     | 59.5       | 19,700 | 19,700       | 63.0       | 20,800 | 20,800       |
| 55                     | 55.5       | 18,000 | 18,000       | 60.0       | 17,800 | 17,800       |
| 60                     | 52.0       | 15,500 | 15,600       | 56.5       | 15,300 | 15,400       |
| 65                     | 47.5       | 13,500 | 13,600       | 53.0       | 13,200 | 13,400       |
| 70                     | 43.5       | 11,800 | 12,100       | 49.5       | 11,600 | 11,800       |
| 75                     | 38.5       | 10,400 | 10,600       | 45.5       | 10,200 | 10,400       |
| 80                     | 33.0       | 9,200  | 9,400        | 41.5       | 8,900  | 9,200        |
| 85                     | 26.5       | 8,100  | 8,300        | 36.5       | 7,900  | 8,100        |
| 90                     | 17.5       | 7,100  | 7,400        | 31.5       | 7,000  | 7,200        |
| 95                     |            |        |              | 25.5       | 6,100  | 6,400        |
| 100                    |            |        |              | 16.5       | 5,400  | 5,700        |
| Min.Bm.<br>Ang./Cap.   | 0.0        | 5,200  | 5,200        | 0.0        | 4,200  | 4,200        |
| Radius (ft)            | 93.0       |        |              | 103.0      |        |              |

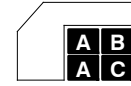
| Load<br>Radius<br>(ft) | 120.0 ft   |        |              | 127.0 ft   |        |              |
|------------------------|------------|--------|--------------|------------|--------|--------------|
|                        | $\angle$ ° | 360°   | Over<br>Rear | $\angle$ ° | 360°   | Over<br>Rear |
| 25                     | 78.5       | 25,500 | 25,500       | 79.0       | 22,600 | 22,600       |
| 30                     | 76.5       | 25,500 | 25,500       | 77.0       | 22,600 | 22,600       |
| 35                     | 74.0       | 25,500 | 25,500       | 75.5       | 22,600 | 22,600       |
| 40                     | 72.0       | 25,000 | 25,000       | 73.5       | 22,600 | 22,600       |
| 45                     | 69.5       | 23,200 | 23,200       | 71.0       | 22,600 | 22,600       |
| 50                     | 66.5       | 20,600 | 20,600       | 68.5       | 20,400 | 20,400       |
| 55                     | 63.5       | 17,600 | 17,600       | 65.5       | 17,400 | 17,400       |
| 60                     | 60.0       | 15,000 | 15,200       | 63.0       | 14,900 | 15,000       |
| 65                     | 57.5       | 13,000 | 13,200       | 60.0       | 12,800 | 13,000       |
| 70                     | 54.0       | 11,400 | 11,600       | 57.0       | 11,300 | 11,500       |
| 75                     | 51.0       | 10,000 | 10,200       | 54.0       | 9,800  | 10,100       |
| 80                     | 47.0       | 8,700  | 9,000        | 51.0       | 8,600  | 8,900        |
| 85                     | 43.5       | 7,700  | 8,000        | 47.5       | 7,600  | 7,900        |
| 90                     | 40.0       | 6,800  | 7,100        | 44.0       | 6,600  | 7,000        |
| 95                     | 35.0       | 6,000  | 6,200        | 40.5       | 5,800  | 6,100        |
| 100                    | 30.5       | 5,200  | 5,500        | 36.0       | 5,100  | 5,400        |
| 105                    | 24.5       | 4,600  | 4,900        | 32.0       | 4,500  | 4,800        |
| 110                    | 16.5       | 4,000  | 4,300        | 26.5       | 3,900  | 4,200        |
| 115                    |            |        |              | 19.5       | 3,400  | 3,700        |
| Min.Bm.<br>Ang./Cap.   | 0.0        | 3,300  | 3,300        | 0.0        | 2,700  | 2,700        |
| Radius (ft)            | 113.0      |        |              | 120.0      |        |              |

**SN: P9L4-7599**

**Rated Lifting Capacities  
In Pounds**



Full



13,000 lb



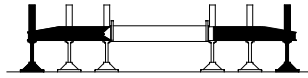
| Load Radius (ft)  | 41.0 ft        |         |           | 50.0 ft        |        |           | 60.0 ft        |        |           | 70.0 ft        |        |           |
|-------------------|----------------|---------|-----------|----------------|--------|-----------|----------------|--------|-----------|----------------|--------|-----------|
|                   | $\angle^\circ$ | 360°    | Over Rear | $\angle^\circ$ | 360°   | Over Rear | $\angle^\circ$ | 360°   | Over Rear | $\angle^\circ$ | 360°   | Over Rear |
| 10                | 70.0           | 139,100 | 139,100   | 74.0           | 89,000 | 89,000    | 77.0           | 77,000 | 77,000    | 79.5           | 74,000 | 74,000    |
| 12                | 66.5           | 115,100 | 115,100   | 71.5           | 87,100 | 87,100    | 75.0           | 72,200 | 72,200    | 77.5           | 74,000 | 74,000    |
| 15                | 62.0           | 90,000  | 90,000    | 68.0           | 80,000 | 80,000    | 72.0           | 66,000 | 66,000    | 75.0           | 68,500 | 68,500    |
| 20                | 53.0           | 64,700  | 64,700    | 61.0           | 66,700 | 66,700    | 67.0           | 57,800 | 57,800    | 71.0           | 60,800 | 60,800    |
| 25                | 43.0           | 49,400  | 49,400    | 54.0           | 51,400 | 51,400    | 61.5           | 51,400 | 51,400    | 66.5           | 52,900 | 52,900    |
| 30                | 30.0           | 39,100  | 39,100    | 46.0           | 41,100 | 41,100    | 55.5           | 42,200 | 42,200    | 61.5           | 42,700 | 42,700    |
| 35                |                |         |           | 36.5           | 33,700 | 33,700    | 49.0           | 34,900 | 34,900    | 56.5           | 35,400 | 35,400    |
| 40                |                |         |           | 24.0           | 27,100 | 27,100    | 42.0           | 28,300 | 28,300    | 51.0           | 28,800 | 28,800    |
| 45                |                |         |           |                |        |           | 33.5           | 23,200 | 23,200    | 45.5           | 23,800 | 23,800    |
| 50                |                |         |           |                |        |           | 21.5           | 19,300 | 19,300    | 38.5           | 19,900 | 19,900    |
| 55                |                |         |           |                |        |           |                |        |           | 31.0           | 16,900 | 16,900    |
| 60                |                |         |           |                |        |           |                |        |           | 20.0           | 14,400 | 14,400    |
| Min.Bm. Ang./Cap. | 0.0            | 25,600  | 25,600    | 0.0            | 16,700 | 16,700    | 0.0            | 12,500 | 12,500    | 0.0            | 10,300 | 10,300    |
| Radius (ft)       | 34.0           |         |           | 43.0           |        |           | 53.0           |        |           | 63.0           |        |           |

| Load Radius (ft)  | 80.0 ft        |        |           | 90.0 ft        |        |           | 100.0 ft       |        |           | 113.1 ft       |        |           |
|-------------------|----------------|--------|-----------|----------------|--------|-----------|----------------|--------|-----------|----------------|--------|-----------|
|                   | $\angle^\circ$ | 360°   | Over Rear | $\angle^\circ$ | 360°   | Over Rear | $\angle^\circ$ | 360°   | Over Rear | $\angle^\circ$ | 360°   | Over Rear |
| 12                | 79.5           | 57,000 | 57,000    |                |        |           |                |        |           |                |        |           |
| 15                | 77.5           | 51,900 | 51,900    | 79.5           | 48,700 | 48,700    |                |        |           |                |        |           |
| 20                | 73.5           | 44,900 | 44,900    | 76.0           | 42,800 | 42,800    | 78.0           | 42,500 | 42,500    |                |        |           |
| 25                | 70.0           | 39,500 | 39,500    | 73.0           | 38,100 | 38,100    | 75.5           | 38,300 | 38,300    | 78.0           | 32,800 | 32,800    |
| 30                | 66.0           | 35,100 | 35,100    | 69.5           | 34,100 | 34,100    | 72.5           | 34,800 | 34,800    | 75.5           | 32,100 | 32,100    |
| 35                | 62.0           | 31,600 | 31,600    | 66.0           | 30,800 | 30,800    | 69.5           | 31,500 | 31,500    | 73.0           | 29,200 | 29,200    |
| 40                | 57.5           | 28,700 | 28,700    | 62.5           | 28,100 | 28,100    | 66.0           | 28,900 | 28,900    | 70.5           | 26,700 | 26,700    |
| 45                | 53.0           | 24,100 | 24,100    | 58.5           | 24,100 | 24,100    | 62.5           | 23,900 | 23,900    | 67.0           | 23,600 | 23,600    |
| 50                | 48.0           | 20,300 | 20,300    | 54.0           | 20,200 | 20,200    | 59.0           | 20,000 | 20,000    | 64.0           | 19,800 | 19,800    |
| 55                | 42.5           | 17,300 | 17,300    | 49.5           | 17,200 | 17,200    | 55.5           | 17,000 | 17,000    | 61.0           | 16,800 | 16,800    |
| 60                | 36.5           | 14,800 | 14,800    | 45.0           | 14,700 | 14,800    | 51.5           | 14,500 | 14,600    | 57.5           | 14,300 | 14,400    |
| 65                | 29.0           | 12,700 | 12,800    | 40.0           | 12,700 | 12,800    | 47.5           | 12,500 | 12,700    | 54.0           | 12,300 | 12,600    |
| 70                | 19.0           | 11,000 | 11,200    | 34.5           | 11,000 | 11,200    | 43.0           | 10,800 | 11,100    | 51.0           | 10,700 | 10,900    |
| 75                |                |        |           | 27.5           | 9,600  | 9,800     | 38.0           | 9,400  | 9,700     | 47.0           | 9,200  | 9,500     |
| 80                |                |        |           | 18.0           | 8,300  | 8,600     | 32.5           | 8,200  | 8,500     | 43.5           | 8,000  | 8,300     |
| 85                |                |        |           |                |        |           | 26.0           | 7,100  | 7,400     | 39.0           | 7,000  | 7,300     |
| 90                |                |        |           |                |        |           | 17.0           | 6,200  | 6,500     | 34.5           | 6,100  | 6,400     |
| 95                |                |        |           |                |        |           |                |        |           | 29.0           | 5,200  | 5,500     |
| 100               |                |        |           |                |        |           |                |        |           | 22.0           | 4,500  | 4,800     |
| 105               |                |        |           |                |        |           |                |        |           | 11.5           | 3,900  | 4,200     |
| Min.Bm. Ang./Cap. | 0.0            | 8,600  | 8,600     | 0.0            | 7,000  | 7,000     | 0.0            | 5,500  | 5,500     | 0.0            | 3,800  | 4,000     |
| Radius (ft)       | 73.0           |        |           | 83.0           |        |           | 93.0           |        |           | 106.1          |        |           |

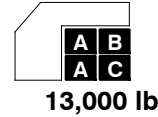
SN: P9L4-7599



**Rated Lifting Capacities  
In Pounds**



**Full**

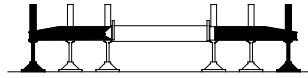


| Load<br>Radius<br>(ft) | 41.0 ft    |         |              | 50.0 ft    |        |              | 60.0 ft    |        |              | 70.0 ft    |        |              |
|------------------------|------------|---------|--------------|------------|--------|--------------|------------|--------|--------------|------------|--------|--------------|
|                        | $\angle$ ° | 360°    | Over<br>Rear | $\angle$ ° | 360°   | Over<br>Rear | $\angle$ ° | 360°   | Over<br>Rear | $\angle$ ° | 360°   | Over<br>Rear |
| 10                     | 70.0       | 139,100 | 139,100      | 74.0       | 89,000 | 89,000       | 77.0       | 77,000 | 77,000       | 79.0       | 74,400 | 74,400       |
| 12                     | 66.5       | 115,100 | 115,100      | 71.5       | 87,100 | 87,100       | 75.0       | 72,200 | 72,200       | 77.5       | 74,300 | 74,300       |
| 15                     | 62.0       | 90,000  | 90,000       | 68.0       | 80,000 | 80,000       | 72.0       | 66,000 | 66,000       | 75.0       | 68,700 | 68,700       |
| 20                     | 53.0       | 64,700  | 64,700       | 61.0       | 66,700 | 66,700       | 67.0       | 57,800 | 57,800       | 71.0       | 60,900 | 60,900       |
| 25                     | 43.0       | 49,400  | 49,400       | 54.0       | 51,400 | 51,400       | 61.5       | 51,400 | 51,400       | 66.5       | 52,900 | 52,900       |
| 30                     | 30.0       | 39,100  | 39,100       | 46.0       | 41,100 | 41,100       | 55.5       | 42,200 | 42,200       | 61.5       | 42,700 | 42,700       |
| 35                     |            |         |              | 36.5       | 33,700 | 33,700       | 49.0       | 34,900 | 34,900       | 56.5       | 35,400 | 35,400       |
| 40                     |            |         |              | 24.0       | 27,100 | 27,100       | 42.0       | 28,300 | 28,300       | 51.0       | 28,800 | 28,800       |
| 45                     |            |         |              |            |        |              | 33.5       | 23,200 | 23,200       | 45.5       | 23,800 | 23,800       |
| 50                     |            |         |              |            |        |              | 21.5       | 19,300 | 19,300       | 38.5       | 19,900 | 19,900       |
| 55                     |            |         |              |            |        |              |            |        |              | 31.0       | 16,800 | 16,800       |
| 60                     |            |         |              |            |        |              |            |        |              | 20.0       | 14,300 | 14,400       |
| Min.Bm.<br>Ang./Cap.   | 0.0        | 25,600  | 25,600       | 0.0        | 16,700 | 16,700       | 0.0        | 12,500 | 12,500       | 0.0        | 10,300 | 10,300       |
| Radius (ft)            | 34.0       |         |              | 43.0       |        |              | 53.0       |        |              | 63.0       |        |              |

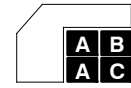
| Load<br>Radius<br>(ft) | 80.0 ft    |        |              | 90.0 ft    |        |              | 98.7 ft    |        |              |
|------------------------|------------|--------|--------------|------------|--------|--------------|------------|--------|--------------|
|                        | $\angle$ ° | 360°   | Over<br>Rear | $\angle$ ° | 360°   | Over<br>Rear | $\angle$ ° | 360°   | Over<br>Rear |
| 12                     | 79.5       | 62,800 | 62,800       |            |        |              |            |        |              |
| 15                     | 77.5       | 62,800 | 62,800       | 79.5       | 61,400 | 61,400       |            |        |              |
| 20                     | 74.0       | 62,800 | 62,800       | 76.5       | 57,100 | 57,100       | 78.0       | 47,900 | 47,900       |
| 25                     | 70.0       | 52,700 | 52,700       | 73.0       | 49,900 | 49,900       | 75.5       | 42,500 | 42,500       |
| 30                     | 66.0       | 42,500 | 42,500       | 69.5       | 42,400 | 42,400       | 72.5       | 38,100 | 38,100       |
| 35                     | 61.5       | 35,200 | 35,200       | 66.0       | 35,100 | 35,100       | 69.0       | 34,300 | 34,300       |
| 40                     | 57.5       | 28,600 | 28,600       | 62.0       | 28,400 | 28,400       | 65.5       | 28,200 | 28,200       |
| 45                     | 52.5       | 23,600 | 23,600       | 58.0       | 23,400 | 23,400       | 62.0       | 23,300 | 23,300       |
| 50                     | 47.5       | 19,700 | 19,700       | 54.0       | 19,600 | 19,600       | 58.5       | 19,400 | 19,400       |
| 55                     | 42.0       | 16,700 | 16,700       | 49.5       | 16,500 | 16,600       | 54.5       | 16,400 | 16,500       |
| 60                     | 36.0       | 14,200 | 14,300       | 45.0       | 14,000 | 14,200       | 50.5       | 13,900 | 14,100       |
| 65                     | 28.5       | 12,200 | 12,300       | 40.0       | 12,100 | 12,300       | 46.5       | 12,000 | 12,200       |
| 70                     | 18.5       | 10,500 | 10,700       | 34.0       | 10,400 | 10,600       | 42.0       | 10,300 | 10,600       |
| 75                     |            |        |              | 27.5       | 8,900  | 9,200        | 37.0       | 8,900  | 9,100        |
| 80                     |            |        |              | 18.0       | 7,700  | 8,000        | 31.5       | 7,700  | 7,900        |
| 85                     |            |        |              |            |        |              | 24.5       | 6,600  | 6,900        |
| 90                     |            |        |              |            |        |              | 14.0       | 5,700  | 6,000        |
| Min.Bm.<br>Ang./Cap.   | 0.0        | 8,200  | 8,200        | 0.0        | 6,500  | 6,500        | 0.0        | 5,300  | 5,300        |
| Radius (ft)            | 73.0       |        |              | 83.0       |        |              | 91.7       |        |              |

**SN: P9L4-7599**

**Fixed Boom Lengths  
Rated Lifting Capacities  
In Pounds  
See Operation Note 10.**



**Full**



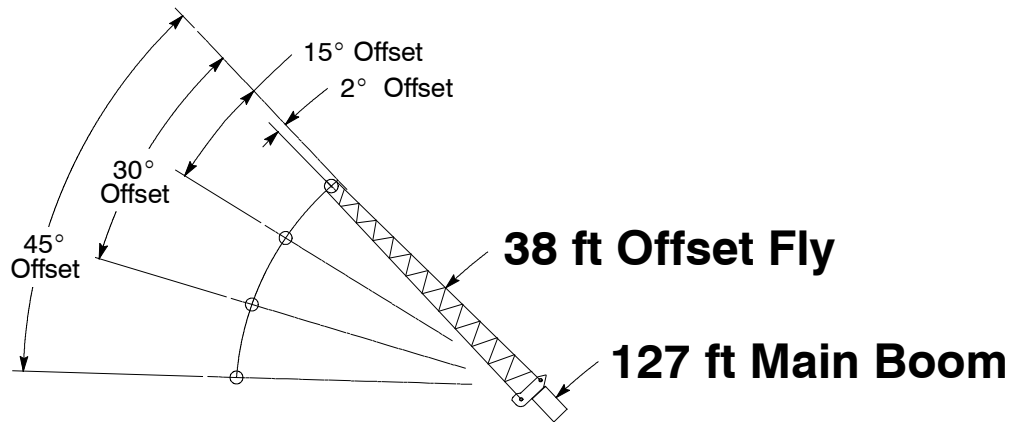
**13,000 lb**

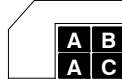


| Load<br>Radius<br>(ft) | 41.0 ft    |         |              | 47.0 ft    |         |              |
|------------------------|------------|---------|--------------|------------|---------|--------------|
|                        | $\angle$ ° | 360°    | Over<br>Rear | $\angle$ ° | 360°    | Over<br>Rear |
| 10                     | 70.0       | 139,100 | 139,100      | 73.0       | 110,700 | 110,700      |
| 12                     | 66.5       | 115,100 | 115,100      | 70.0       | 105,000 | 105,000      |
| 15                     | 62.0       | 90,000  | 90,000       | 66.0       | 91,400  | 91,400       |
| 20                     | 53.0       | 64,700  | 64,700       | 59.0       | 66,100  | 66,100       |
| 25                     | 43.0       | 49,400  | 49,400       | 51.0       | 50,800  | 50,800       |
| 30                     | 30.0       | 39,100  | 39,100       | 42.0       | 40,500  | 40,500       |
| 35                     |            |         |              | 30.5       | 33,200  | 33,200       |
| Min.Bm.<br>Ang./Cap.   | 0.0        | 25,600  | 25,600       | 0.0        | 19,000  | 19,000       |
| Radius (ft)            | 34.0       |         |              | 40.0       |         |              |

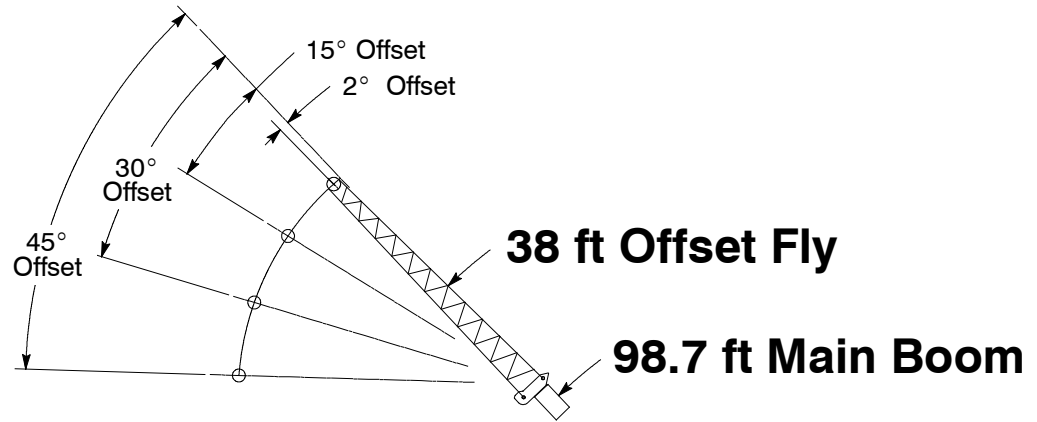
| Load<br>Radius<br>(ft) | 61.3 ft    |         |              | 76.0 ft    |        |              |
|------------------------|------------|---------|--------------|------------|--------|--------------|
|                        | $\angle$ ° | 360°    | Over<br>Rear | $\angle$ ° | 360°   | Over<br>Rear |
| 10                     | 77.5       | 106,900 | 106,900      |            |        |              |
| 12                     | 75.5       | 106,900 | 106,900      | 79.0       | 81,000 | 81,000       |
| 15                     | 72.5       | 92,500  | 92,500       | 77.0       | 77,400 | 77,400       |
| 20                     | 67.5       | 67,400  | 67,400       | 73.0       | 67,200 | 67,200       |
| 25                     | 62.0       | 52,100  | 52,100       | 68.5       | 52,000 | 52,000       |
| 30                     | 56.0       | 41,800  | 41,800       | 64.0       | 41,800 | 41,800       |
| 35                     | 50.0       | 34,500  | 34,500       | 59.5       | 34,500 | 34,500       |
| 40                     | 43.0       | 28,000  | 28,000       | 55.0       | 27,800 | 27,800       |
| 45                     | 35.0       | 22,900  | 22,900       | 50.0       | 22,800 | 22,800       |
| 50                     | 25.0       | 19,000  | 19,000       | 44.5       | 19,000 | 19,000       |
| 55                     |            |         |              | 38.5       | 16,000 | 16,000       |
| 60                     |            |         |              | 31.0       | 13,500 | 13,600       |
| 65                     |            |         |              | 21.5       | 11,400 | 11,600       |
| Min.Bm.<br>Ang./Cap.   | 0.0        | 13,800  | 13,800       | 0.0        | 9,600  | 9,600        |
| Radius (ft)            | 54.3       |         |              | 69.0       |        |              |

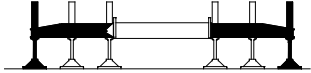
**SN: P9L4-7599**



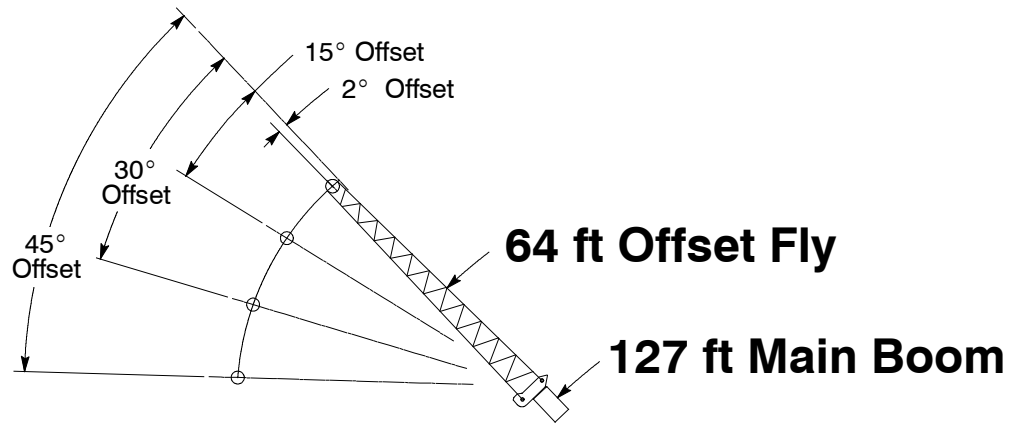
| Rated Lifting Capacities<br>In Pounds |                                                                                     |        |    |        |  |       |    |       |
|---------------------------------------|-------------------------------------------------------------------------------------|--------|-------------------------------------------------------------------------------------|--------|-------------------------------------------------------------------------------------|-------|---------------------------------------------------------------------------------------|-------|
|                                       |                                                                                     |        | Full                                                                                |        | 13,000 lb                                                                           |       |                                                                                       |       |
| Load<br>Radius<br>(ft)                | 2° Offset                                                                           |        | 15° Offset                                                                          |        | 30° Offset                                                                          |       | 45° Offset                                                                            |       |
|                                       |  ° | 360°   |  ° | 360°   |  ° | 360°  |  ° | 360°  |
| 35                                    | 79.5                                                                                | 10,900 |                                                                                     |        |                                                                                     |       |                                                                                       |       |
| 40                                    | 78.0                                                                                | 10,900 |                                                                                     |        |                                                                                     |       |                                                                                       |       |
| 45                                    | 76.5                                                                                | 10,900 | 79.5                                                                                | 10,400 |                                                                                     |       |                                                                                       |       |
| 50                                    | 75.0                                                                                | 10,900 | 78.0                                                                                | 10,300 |                                                                                     |       |                                                                                       |       |
| 55                                    | 73.5                                                                                | 10,900 | 76.5                                                                                | 10,100 | 79.5                                                                                | 9,100 |                                                                                       |       |
| 60                                    | 72.0                                                                                | 10,900 | 75.0                                                                                | 9,900  | 77.5                                                                                | 8,900 |                                                                                       |       |
| 65                                    | 70.5                                                                                | 10,700 | 73.0                                                                                | 9,700  | 76.0                                                                                | 8,700 | 78.0                                                                                  | 8,100 |
| 70                                    | 69.0                                                                                | 10,500 | 71.5                                                                                | 9,500  | 74.0                                                                                | 8,600 | 76.5                                                                                  | 8,000 |
| 75                                    | 67.0                                                                                | 10,200 | 69.5                                                                                | 9,300  | 72.5                                                                                | 8,500 | 74.5                                                                                  | 7,900 |
| 80                                    | 64.5                                                                                | 9,200  | 68.0                                                                                | 9,000  | 70.5                                                                                | 8,300 | 72.5                                                                                  | 7,700 |
| 85                                    | 62.0                                                                                | 8,100  | 65.5                                                                                | 8,500  | 68.5                                                                                | 8,000 | 70.5                                                                                  | 7,700 |
| 90                                    | 60.0                                                                                | 7,200  | 63.0                                                                                | 7,600  | 66.5                                                                                | 7,700 | 68.5                                                                                  | 7,400 |
| 95                                    | 57.5                                                                                | 6,300  | 60.5                                                                                | 6,800  | 63.5                                                                                | 7,200 | 66.0                                                                                  | 7,200 |
| 100                                   | 55.0                                                                                | 5,600  | 58.5                                                                                | 6,000  | 61.0                                                                                | 6,400 | 63.5                                                                                  | 6,600 |
| 105                                   | 52.5                                                                                | 4,900  | 55.5                                                                                | 5,300  | 58.5                                                                                | 5,600 | 60.5                                                                                  | 5,900 |
| 110                                   | 50.0                                                                                | 4,400  | 52.5                                                                                | 4,700  | 55.5                                                                                | 5,000 | 58.0                                                                                  | 5,200 |
| 115                                   | 47.0                                                                                | 3,800  | 50.0                                                                                | 4,100  | 52.5                                                                                | 4,400 | 54.5                                                                                  | 4,600 |
| 120                                   | 44.5                                                                                | 3,400  | 47.0                                                                                | 3,600  | 50.0                                                                                | 3,900 | 51.0                                                                                  | 4,000 |
| 125                                   | 41.0                                                                                | 2,900  | 44.5                                                                                | 3,200  | 46.5                                                                                | 3,400 | 47.5                                                                                  | 3,500 |
| 130                                   | 38.0                                                                                | 2,500  | 41.0                                                                                | 2,700  | 43.5                                                                                | 2,900 |                                                                                       |       |
| 135                                   | 34.0                                                                                | 2,200  | 37.5                                                                                | 2,300  | 39.5                                                                                | 2,500 |                                                                                       |       |
| 140                                   | 30.5                                                                                | 1,800  | 33.0                                                                                | 2,000  | 35.0                                                                                | 2,100 |                                                                                       |       |
| 145                                   | 25.5                                                                                | 1,500  | 29.0                                                                                | 1,700  | 30.0                                                                                | 1,700 |                                                                                       |       |
| 150                                   | 20.5                                                                                | 1,300  | 23.0                                                                                | 1,300  |                                                                                     |       |                                                                                       |       |
| 155                                   | 12.5                                                                                | 1,000  | 15.0                                                                                | 1,000  |                                                                                     |       |                                                                                       |       |
| Min.Bm.<br>Ang./Cap.                  | 0.0                                                                                 | 500    | 0.0                                                                                 | 500    | 0.0                                                                                 | 600   | 0.0                                                                                   | 700   |
| Radius (ft)                           | 158.0                                                                               |        | 157.5                                                                               |        | 155.0                                                                               |       | 150.6                                                                                 |       |

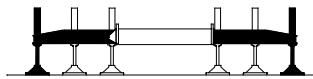
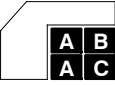
SN: P9L4-7599



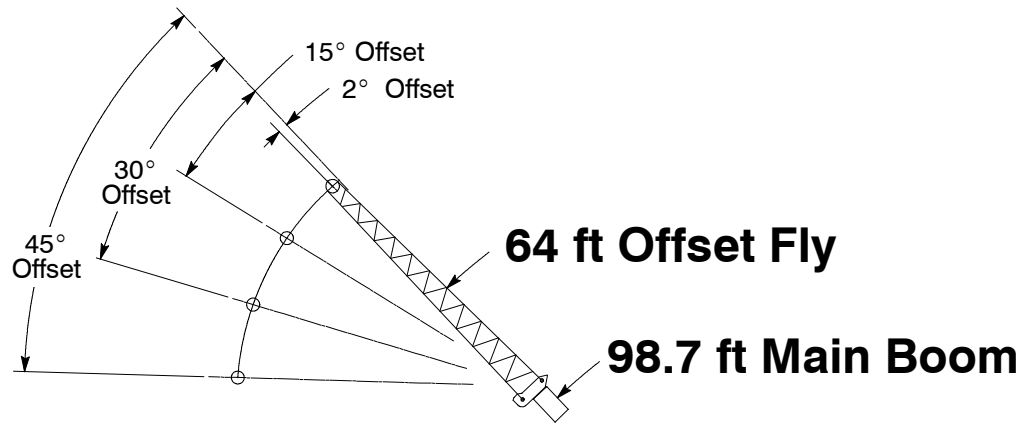
| Rated Lifting Capacities<br>In Pounds |            |        | <br>Full |        | <br>13,000 lb |        |  |       |
|---------------------------------------|------------|--------|-------------------------------------------------------------------------------------------|--------|--------------------------------------------------------------------------------------------------|--------|-------------------------------------------------------------------------------------|-------|
| Load<br>Radius<br>(ft)                | 2° Offset  |        | 15° Offset                                                                                |        | 30° Offset                                                                                       |        | 45° Offset                                                                          |       |
|                                       | $\angle$ ° | 360°   | $\angle$ °                                                                                | 360°   | $\angle$ °                                                                                       | 360°   | $\angle$ °                                                                          | 360°  |
| 30                                    | 78.0       | 16,200 |                                                                                           |        |                                                                                                  |        |                                                                                     |       |
| 35                                    | 76.0       | 15,600 |                                                                                           |        |                                                                                                  |        |                                                                                     |       |
| 40                                    | 74.0       | 14,900 | 77.0                                                                                      | 12,500 |                                                                                                  |        |                                                                                     |       |
| 45                                    | 72.0       | 14,300 | 75.0                                                                                      | 12,000 | 78.5                                                                                             | 10,100 |                                                                                     |       |
| 50                                    | 69.5       | 13,600 | 73.0                                                                                      | 11,500 | 76.5                                                                                             | 9,800  |                                                                                     |       |
| 55                                    | 67.5       | 13,000 | 70.5                                                                                      | 11,100 | 74.0                                                                                             | 9,500  | 77.0                                                                                | 8,600 |
| 60                                    | 65.0       | 12,500 | 68.5                                                                                      | 10,700 | 72.0                                                                                             | 9,300  | 74.5                                                                                | 8,400 |
| 65                                    | 63.0       | 11,900 | 66.0                                                                                      | 10,300 | 69.5                                                                                             | 9,000  | 72.0                                                                                | 8,300 |
| 70                                    | 60.5       | 11,400 | 63.5                                                                                      | 10,000 | 67.0                                                                                             | 8,800  | 69.5                                                                                | 8,100 |
| 75                                    | 57.5       | 10,200 | 61.0                                                                                      | 9,700  | 64.5                                                                                             | 8,600  | 67.0                                                                                | 8,000 |
| 80                                    | 54.5       | 8,900  | 58.5                                                                                      | 9,400  | 62.0                                                                                             | 8,500  | 64.0                                                                                | 7,900 |
| 85                                    | 51.5       | 7,900  | 55.5                                                                                      | 8,400  | 59.0                                                                                             | 8,300  | 61.0                                                                                | 7,800 |
| 90                                    | 49.0       | 6,900  | 52.5                                                                                      | 7,400  | 56.0                                                                                             | 7,800  | 58.0                                                                                | 7,700 |
| 95                                    | 45.5       | 6,100  | 49.0                                                                                      | 6,500  | 52.5                                                                                             | 6,900  | 54.5                                                                                | 7,100 |
| 100                                   | 42.0       | 5,400  | 45.5                                                                                      | 5,700  | 48.5                                                                                             | 6,000  | 50.5                                                                                | 6,200 |
| 105                                   | 38.5       | 4,700  | 42.0                                                                                      | 5,000  | 44.5                                                                                             | 5,300  | 46.0                                                                                | 5,400 |
| 110                                   | 34.0       | 4,200  | 38.0                                                                                      | 4,400  | 40.5                                                                                             | 4,600  |                                                                                     |       |
| 115                                   | 30.0       | 3,600  | 33.0                                                                                      | 3,800  | 35.5                                                                                             | 4,000  |                                                                                     |       |
| 120                                   | 24.0       | 3,200  | 28.0                                                                                      | 3,300  |                                                                                                  |        |                                                                                     |       |
| 125                                   | 17.5       | 2,700  | 20.5                                                                                      | 2,800  |                                                                                                  |        |                                                                                     |       |
| Min.Bm.<br>Ang./Cap.                  | 0.0        | 1,900  | 0.0                                                                                       | 1,900  | 0.0                                                                                              | 2,100  | 0.0                                                                                 | 2,300 |
| Radius (ft)                           | 129.7      |        | 129.3                                                                                     |        | 127.0                                                                                            |        | 122.9                                                                               |       |

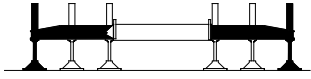
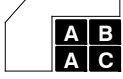
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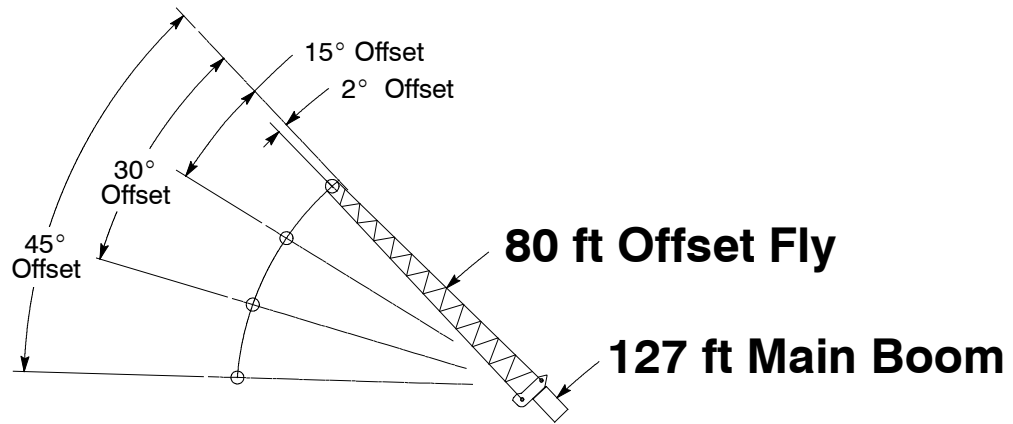
| Rated Lifting Capacities<br>In Pounds        |                                                                                     |       | <br>Full |       | <br>13,000 lb |       |    |       |
|----------------------------------------------|-------------------------------------------------------------------------------------|-------|-------------------------------------------------------------------------------------------|-------|--------------------------------------------------------------------------------------------------|-------|---------------------------------------------------------------------------------------|-------|
| Load<br>Radius<br>(ft)                       | 2° Offset                                                                           |       | 15° Offset                                                                                |       | 30° Offset                                                                                       |       | 45° Offset                                                                            |       |
|                                              |  ° | 360°  |  °       | 360°  |  °              | 360°  |  ° | 360°  |
| 45                                           | 79.5                                                                                | 7,300 |                                                                                           |       |                                                                                                  |       |                                                                                       |       |
| 50                                           | 78.5                                                                                | 7,300 |                                                                                           |       |                                                                                                  |       |                                                                                       |       |
| 55                                           | 77.0                                                                                | 7,200 |                                                                                           |       |                                                                                                  |       |                                                                                       |       |
| 60                                           | 76.0                                                                                | 7,100 |                                                                                           |       |                                                                                                  |       |                                                                                       |       |
| 65                                           | 74.5                                                                                | 6,900 | 79.0                                                                                      | 6,100 |                                                                                                  |       |                                                                                       |       |
| 70                                           | 73.0                                                                                | 6,800 | 77.5                                                                                      | 6,000 |                                                                                                  |       |                                                                                       |       |
| 75                                           | 72.0                                                                                | 6,600 | 76.0                                                                                      | 5,800 |                                                                                                  |       |                                                                                       |       |
| 80                                           | 70.5                                                                                | 6,500 | 74.5                                                                                      | 5,600 | 79.0                                                                                             | 4,900 |                                                                                       |       |
| 85                                           | 69.0                                                                                | 6,300 | 73.0                                                                                      | 5,500 | 77.5                                                                                             | 4,800 |                                                                                       |       |
| 90                                           | 67.5                                                                                | 6,100 | 71.5                                                                                      | 5,300 | 76.0                                                                                             | 4,700 | 79.5                                                                                  | 4,200 |
| 95                                           | 66.0                                                                                | 5,900 | 70.0                                                                                      | 5,200 | 74.0                                                                                             | 4,600 | 78.0                                                                                  | 4,200 |
| 100                                          | 64.5                                                                                | 5,700 | 68.5                                                                                      | 5,100 | 72.5                                                                                             | 4,500 | 76.0                                                                                  | 4,100 |
| 105                                          | 62.5                                                                                | 5,400 | 66.5                                                                                      | 4,900 | 71.0                                                                                             | 4,400 | 74.5                                                                                  | 4,100 |
| 110                                          | 60.5                                                                                | 5,000 | 65.0                                                                                      | 4,700 | 69.0                                                                                             | 4,300 | 72.5                                                                                  | 4,100 |
| 115                                          | 58.5                                                                                | 4,400 | 63.0                                                                                      | 4,500 | 67.0                                                                                             | 4,200 | 70.5                                                                                  | 4,000 |
| 120                                          | 56.0                                                                                | 3,900 | 61.0                                                                                      | 4,300 | 65.0                                                                                             | 4,000 | 68.5                                                                                  | 3,900 |
| 125                                          | 54.0                                                                                | 3,500 | 59.0                                                                                      | 4,000 | 63.0                                                                                             | 3,900 | 66.5                                                                                  | 3,800 |
| 130                                          | 52.0                                                                                | 3,100 | 56.5                                                                                      | 3,500 | 61.0                                                                                             | 3,700 | 64.0                                                                                  | 3,600 |
| 135                                          | 49.5                                                                                | 2,700 | 54.5                                                                                      | 3,100 | 58.5                                                                                             | 3,500 | 61.5                                                                                  | 3,500 |
| 140                                          | 47.0                                                                                | 2,400 | 52.0                                                                                      | 2,700 | 56.0                                                                                             | 3,100 | 58.5                                                                                  | 3,300 |
| 145                                          | 45.0                                                                                | 2,000 | 49.5                                                                                      | 2,400 | 53.0                                                                                             | 2,700 | 55.5                                                                                  | 2,800 |
| 150                                          | 42.5                                                                                | 1,700 | 46.5                                                                                      | 2,000 | 50.5                                                                                             | 2,300 | 52.5                                                                                  | 2,400 |
| 155                                          | 40.0                                                                                | 1,500 | 44.0                                                                                      | 1,700 | 47.5                                                                                             | 2,000 | 49.0                                                                                  | 2,000 |
| 160                                          | 37.5                                                                                | 1,200 | 41.5                                                                                      | 1,500 | 44.5                                                                                             | 1,600 | 45.0                                                                                  | 1,700 |
| 165                                          | 34.5                                                                                | 1,000 | 38.5                                                                                      | 1,200 | 41.0                                                                                             | 1,300 |                                                                                       |       |
| 170                                          | 31.0                                                                                | 800   | 34.5                                                                                      | 900   | 36.5                                                                                             | 1,000 |                                                                                       |       |
| 175                                          |                                                                                     |       | 30.5                                                                                      | 700   |                                                                                                  |       |                                                                                       |       |
| Min.Bm.<br>Ang./Cap.                         | 27.0                                                                                |       | 27.0                                                                                      |       | 31.0                                                                                             |       | 30.0                                                                                  |       |
| Radius (ft)                                  | 175.0                                                                               |       | 178.1                                                                                     |       | 175.0                                                                                            |       | 166.4                                                                                 |       |
| Maximum Boom Length<br>At 0° Boom Angle (ft) |                                                                                     | 109ft |                                                                                           |       |                                                                                                  |       |                                                                                       |       |

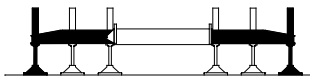
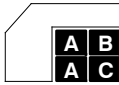
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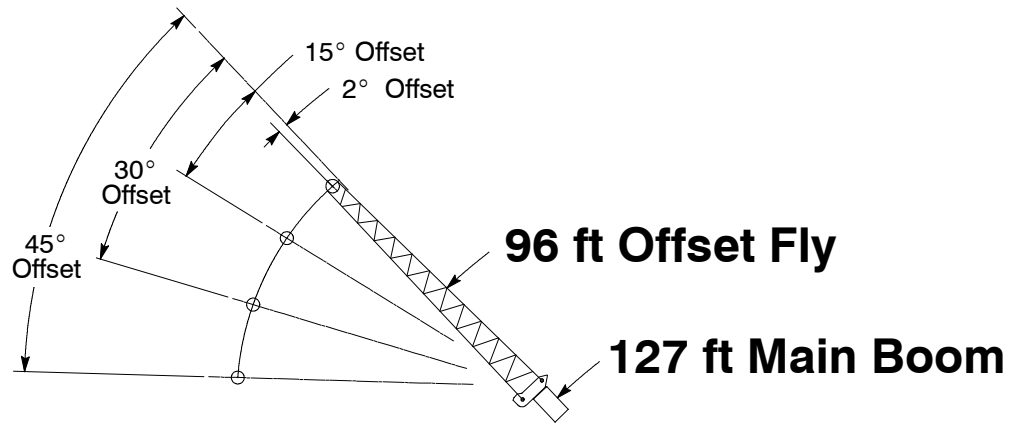
| Rated Lifting Capacities<br>In Pounds |            |        | <br>Full |       | <br>13,000 lb |       |  |       |
|---------------------------------------|------------|--------|-------------------------------------------------------------------------------------------|-------|--------------------------------------------------------------------------------------------------|-------|-------------------------------------------------------------------------------------|-------|
| Load<br>Radius<br>(ft)                | 2° Offset  |        | 15° Offset                                                                                |       | 30° Offset                                                                                       |       | 45° Offset                                                                          |       |
|                                       | $\angle$ ° | 360°   | $\angle$ °                                                                                | 360°  | $\angle$ °                                                                                       | 360°  | $\angle$ °                                                                          | 360°  |
| 35                                    | 79.5       | 10,300 |                                                                                           |       |                                                                                                  |       |                                                                                     |       |
| 40                                    | 77.5       | 9,900  |                                                                                           |       |                                                                                                  |       |                                                                                     |       |
| 45                                    | 76.0       | 9,400  |                                                                                           |       |                                                                                                  |       |                                                                                     |       |
| 50                                    | 74.5       | 9,000  | 79.5                                                                                      | 7,400 |                                                                                                  |       |                                                                                     |       |
| 55                                    | 72.5       | 8,500  | 77.5                                                                                      | 7,000 |                                                                                                  |       |                                                                                     |       |
| 60                                    | 71.0       | 8,100  | 76.0                                                                                      | 6,700 |                                                                                                  |       |                                                                                     |       |
| 65                                    | 69.0       | 7,700  | 74.0                                                                                      | 6,400 | 79.5                                                                                             | 5,400 |                                                                                     |       |
| 70                                    | 67.0       | 7,300  | 72.0                                                                                      | 6,200 | 77.5                                                                                             | 5,200 |                                                                                     |       |
| 75                                    | 65.5       | 7,000  | 70.0                                                                                      | 5,900 | 75.5                                                                                             | 5,100 |                                                                                     |       |
| 80                                    | 63.5       | 6,700  | 68.5                                                                                      | 5,700 | 73.5                                                                                             | 4,900 | 78.0                                                                                | 4,400 |
| 85                                    | 61.5       | 6,400  | 66.5                                                                                      | 5,500 | 71.5                                                                                             | 4,800 | 76.0                                                                                | 4,300 |
| 90                                    | 59.5       | 6,100  | 64.0                                                                                      | 5,300 | 69.5                                                                                             | 4,700 | 73.5                                                                                | 4,300 |
| 95                                    | 57.5       | 5,800  | 62.0                                                                                      | 5,100 | 67.0                                                                                             | 4,600 | 71.5                                                                                | 4,200 |
| 100                                   | 55.0       | 5,600  | 60.0                                                                                      | 5,000 | 65.0                                                                                             | 4,500 | 69.0                                                                                | 4,200 |
| 105                                   | 53.0       | 5,400  | 57.5                                                                                      | 4,800 | 62.5                                                                                             | 4,400 | 66.5                                                                                | 4,100 |
| 110                                   | 50.0       | 5,000  | 55.5                                                                                      | 4,700 | 60.0                                                                                             | 4,300 | 63.5                                                                                | 4,100 |
| 115                                   | 47.5       | 4,400  | 53.0                                                                                      | 4,600 | 57.5                                                                                             | 4,200 | 61.0                                                                                | 4,100 |
| 120                                   | 45.0       | 4,000  | 50.0                                                                                      | 4,400 | 54.5                                                                                             | 4,200 | 57.5                                                                                | 4,100 |
| 125                                   | 42.0       | 3,500  | 47.0                                                                                      | 3,900 | 51.5                                                                                             | 4,100 | 54.5                                                                                | 4,100 |
| 130                                   | 39.0       | 3,100  | 44.0                                                                                      | 3,500 | 48.0                                                                                             | 3,800 | 50.5                                                                                | 3,900 |
| 135                                   | 35.5       | 2,700  | 40.5                                                                                      | 3,000 | 44.5                                                                                             | 3,300 | 45.5                                                                                | 3,400 |
| 140                                   | 32.0       | 2,400  | 36.5                                                                                      | 2,600 | 40.0                                                                                             | 2,800 |                                                                                     |       |
| 145                                   | 28.0       | 2,100  | 32.5                                                                                      | 2,300 | 34.5                                                                                             | 2,400 |                                                                                     |       |
| 150                                   | 22.5       | 1,800  | 26.5                                                                                      | 1,900 |                                                                                                  |       |                                                                                     |       |
| 155                                   | 13.5       | 1,600  |                                                                                           |       |                                                                                                  |       |                                                                                     |       |
| Min.Bm.<br>Ang./Cap.                  | 0.0        | 1,100  | 0.0                                                                                       | 1,100 | 0.0                                                                                              | 1,200 | 0.0                                                                                 | 1,400 |
| Radius (ft)                           | 155.7      |        | 154.9                                                                                     |       | 151.5                                                                                            |       | 145.5                                                                               |       |

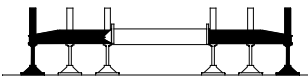
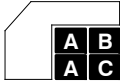
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| Rated Lifting Capacities<br>In Pounds        |                                                                                     |       |    |       | <br>13,000 lb |       |    |       |
|----------------------------------------------|-------------------------------------------------------------------------------------|-------|-------------------------------------------------------------------------------------|-------|-------------------------------------------------------------------------------------------------|-------|---------------------------------------------------------------------------------------|-------|
| Load<br>Radius<br>(ft)                       | 2° Offset                                                                           |       | 15° Offset                                                                          |       | 30° Offset                                                                                      |       | 45° Offset                                                                            |       |
|                                              |  ° | 360°  |  ° | 360°  |  °             | 360°  |  ° | 360°  |
| 50                                           | 79.0                                                                                | 5,800 |                                                                                     |       |                                                                                                 |       |                                                                                       |       |
| 55                                           | 78.0                                                                                | 5,800 |                                                                                     |       |                                                                                                 |       |                                                                                       |       |
| 60                                           | 77.0                                                                                | 5,800 |                                                                                     |       |                                                                                                 |       |                                                                                       |       |
| 65                                           | 75.5                                                                                | 5,800 | 79.5                                                                                | 5,600 |                                                                                                 |       |                                                                                       |       |
| 70                                           | 74.5                                                                                | 5,800 | 78.5                                                                                | 5,300 |                                                                                                 |       |                                                                                       |       |
| 75                                           | 73.5                                                                                | 5,800 | 77.0                                                                                | 5,000 |                                                                                                 |       |                                                                                       |       |
| 80                                           | 72.0                                                                                | 5,500 | 75.5                                                                                | 4,700 | 79.0                                                                                            | 3,900 |                                                                                       |       |
| 85                                           | 70.5                                                                                | 5,200 | 74.0                                                                                | 4,400 | 77.5                                                                                            | 3,700 |                                                                                       |       |
| 90                                           | 69.0                                                                                | 4,900 | 72.5                                                                                | 4,200 | 76.0                                                                                            | 3,500 | 78.5                                                                                  | 3,100 |
| 95                                           | 67.5                                                                                | 4,600 | 71.0                                                                                | 4,000 | 74.5                                                                                            | 3,400 | 77.0                                                                                  | 2,900 |
| 100                                          | 66.0                                                                                | 4,400 | 69.5                                                                                | 3,800 | 73.0                                                                                            | 3,200 | 75.5                                                                                  | 2,800 |
| 105                                          | 64.5                                                                                | 4,200 | 68.0                                                                                | 3,600 | 71.0                                                                                            | 3,100 | 73.5                                                                                  | 2,700 |
| 110                                          | 63.0                                                                                | 4,000 | 66.5                                                                                | 3,500 | 69.5                                                                                            | 2,900 | 72.0                                                                                  | 2,600 |
| 115                                          | 61.5                                                                                | 3,800 | 65.0                                                                                | 3,300 | 68.0                                                                                            | 2,800 | 70.5                                                                                  | 2,500 |
| 120                                          | 59.0                                                                                | 3,500 | 63.0                                                                                | 3,200 | 66.0                                                                                            | 2,700 | 68.5                                                                                  | 2,500 |
| 125                                          | 57.5                                                                                | 3,100 | 61.5                                                                                | 3,000 | 64.5                                                                                            | 2,600 | 66.5                                                                                  | 2,400 |
| 130                                          | 56.0                                                                                | 2,700 | 59.5                                                                                | 2,900 | 62.5                                                                                            | 2,500 | 64.5                                                                                  | 2,300 |
| 135                                          | 53.5                                                                                | 2,300 | 57.5                                                                                | 2,800 | 61.0                                                                                            | 2,500 | 62.5                                                                                  | 2,300 |
| 140                                          | 51.0                                                                                | 1,900 | 55.5                                                                                | 2,400 | 59.0                                                                                            | 2,400 | 60.5                                                                                  | 2,200 |
| 145                                          | 49.5                                                                                | 1,600 | 53.0                                                                                | 2,000 | 57.0                                                                                            | 2,300 | 58.5                                                                                  | 2,200 |
| 150                                          | 47.0                                                                                | 1,300 | 51.0                                                                                | 1,700 | 54.0                                                                                            | 2,000 | 56.0                                                                                  | 2,100 |
| 155                                          | 44.5                                                                                | 1,000 | 48.5                                                                                | 1,400 | 51.5                                                                                            | 1,700 | 53.0                                                                                  | 1,800 |
| 160                                          |                                                                                     |       | 46.0                                                                                | 1,100 | 49.0                                                                                            | 1,300 | 50.5                                                                                  | 1,500 |
| 165                                          |                                                                                     |       |                                                                                     |       | 46.0                                                                                            | 1,000 | 47.0                                                                                  | 1,100 |
| Min.Bm.<br>Ang./Cap.                         | 43.0                                                                                |       | 44.0                                                                                |       | 44.0                                                                                            |       | 44.0                                                                                  |       |
| Radius (ft)                                  | 158.8                                                                               |       | 164.2                                                                               |       | 168.8                                                                                           |       | 169.2                                                                                 |       |
| Maximum Boom Length<br>At 0° Boom Angle (ft) |                                                                                     | 98ft  |                                                                                     |       |                                                                                                 |       |                                                                                       |       |

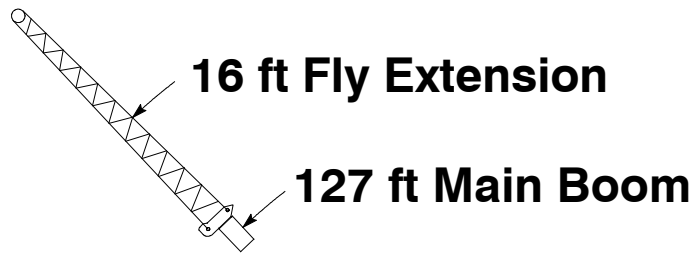
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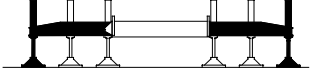
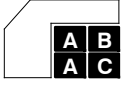


| Rated Lifting Capacities<br>In Pounds        |                                                                                     |       | <br>Full |       | <br>13,000 lb |       |    |       |
|----------------------------------------------|-------------------------------------------------------------------------------------|-------|-------------------------------------------------------------------------------------------|-------|--------------------------------------------------------------------------------------------------|-------|---------------------------------------------------------------------------------------|-------|
| Load<br>Radius<br>(ft)                       | 2° Offset                                                                           |       | 15° Offset                                                                                |       | 30° Offset                                                                                       |       | 45° Offset                                                                            |       |
|                                              |  ° | 360°  |  °       | 360°  |  °              | 360°  |  ° | 360°  |
| 55                                           | 79.0                                                                                | 4,500 |                                                                                           |       |                                                                                                  |       |                                                                                       |       |
| 60                                           | 78.0                                                                                | 4,500 |                                                                                           |       |                                                                                                  |       |                                                                                       |       |
| 65                                           | 77.0                                                                                | 4,500 |                                                                                           |       |                                                                                                  |       |                                                                                       |       |
| 70                                           | 76.0                                                                                | 4,500 | 79.5                                                                                      | 4,200 |                                                                                                  |       |                                                                                       |       |
| 75                                           | 75.0                                                                                | 4,400 | 78.5                                                                                      | 3,900 |                                                                                                  |       |                                                                                       |       |
| 80                                           | 74.0                                                                                | 4,100 | 77.0                                                                                      | 3,700 |                                                                                                  |       |                                                                                       |       |
| 85                                           | 72.5                                                                                | 3,900 | 75.5                                                                                      | 3,400 | 79.0                                                                                             | 3,000 |                                                                                       |       |
| 90                                           | 71.0                                                                                | 3,600 | 74.5                                                                                      | 3,200 | 77.5                                                                                             | 2,800 |                                                                                       |       |
| 95                                           | 70.0                                                                                | 3,400 | 73.0                                                                                      | 3,000 | 76.0                                                                                             | 2,600 | 79.0                                                                                  | 2,300 |
| 100                                          | 68.5                                                                                | 3,200 | 71.5                                                                                      | 2,800 | 75.0                                                                                             | 2,400 | 77.5                                                                                  | 2,200 |
| 105                                          | 67.0                                                                                | 3,000 | 70.5                                                                                      | 2,600 | 73.5                                                                                             | 2,300 | 76.0                                                                                  | 2,100 |
| 110                                          | 65.5                                                                                | 2,800 | 69.0                                                                                      | 2,500 | 72.0                                                                                             | 2,200 | 74.0                                                                                  | 1,900 |
| 115                                          | 64.0                                                                                | 2,600 | 67.5                                                                                      | 2,300 | 70.5                                                                                             | 2,000 | 72.5                                                                                  | 1,800 |
| 120                                          | 62.5                                                                                | 2,500 | 66.0                                                                                      | 2,200 | 69.0                                                                                             | 1,900 | 71.0                                                                                  | 1,700 |
| 125                                          | 61.0                                                                                | 2,300 | 64.5                                                                                      | 2,100 | 67.5                                                                                             | 1,800 | 69.5                                                                                  | 1,600 |
| 130                                          | 59.5                                                                                | 2,200 | 63.0                                                                                      | 1,900 | 65.5                                                                                             | 1,700 | 67.5                                                                                  | 1,500 |
| 135                                          | 58.0                                                                                | 2,100 | 61.5                                                                                      | 1,800 | 64.0                                                                                             | 1,600 | 66.0                                                                                  | 1,400 |
| 140                                          | 56.5                                                                                | 1,900 | 59.5                                                                                      | 1,700 | 62.5                                                                                             | 1,500 | 64.0                                                                                  | 1,400 |
| 145                                          | 54.0                                                                                | 1,600 | 58.0                                                                                      | 1,600 | 60.5                                                                                             | 1,400 | 62.5                                                                                  | 1,300 |
| 150                                          | 52.0                                                                                | 1,300 | 56.5                                                                                      | 1,500 | 59.0                                                                                             | 1,300 | 60.5                                                                                  | 1,200 |
| 155                                          | 50.5                                                                                | 1,000 | 54.0                                                                                      | 1,400 | 57.0                                                                                             | 1,300 | 58.5                                                                                  | 1,200 |
| 160                                          |                                                                                     |       | 52.0                                                                                      | 1,100 | 55.0                                                                                             | 1,200 | 56.5                                                                                  | 1,100 |
| 165                                          |                                                                                     |       |                                                                                           |       | 52.5                                                                                             | 1,100 | 54.0                                                                                  | 1,100 |
| 170                                          |                                                                                     |       |                                                                                           |       |                                                                                                  |       | 51.5                                                                                  | 900   |
| Min.Bm.<br>Ang./Cap.                         | 49.5                                                                                |       | 50.5                                                                                      |       | 51.0                                                                                             |       | 51.0                                                                                  |       |
| Radius (ft)                                  | 157.5                                                                               |       | 164.2                                                                                     |       | 169.2                                                                                            |       | 170.8                                                                                 |       |
| Maximum Boom Length<br>At 0° Boom Angle (ft) |                                                                                     | 87ft  |                                                                                           |       |                                                                                                  |       |                                                                                       |       |

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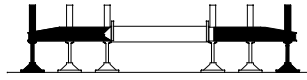




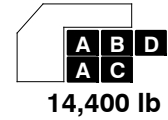
| <div> <div>Rated Lifting Capacities<br/>In Pounds</div> <div>  <div>Full</div> </div> <div>  <div>13,000 lb</div> </div> <div>  </div> </div> |            |        |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|--------|
| Load Radius<br>(ft)                                                                                                                                                                                                                                                                                                                                                                                  | $\angle$ ° | 360°   |
| 30                                                                                                                                                                                                                                                                                                                                                                                                   | 78.5       | 15,600 |
| 35                                                                                                                                                                                                                                                                                                                                                                                                   | 77.0       | 15,600 |
| 40                                                                                                                                                                                                                                                                                                                                                                                                   | 75.0       | 15,600 |
| 45                                                                                                                                                                                                                                                                                                                                                                                                   | 73.5       | 15,600 |
| 50                                                                                                                                                                                                                                                                                                                                                                                                   | 71.5       | 15,600 |
| 55                                                                                                                                                                                                                                                                                                                                                                                                   | 70.0       | 15,600 |
| 60                                                                                                                                                                                                                                                                                                                                                                                                   | 67.5       | 15,000 |
| 65                                                                                                                                                                                                                                                                                                                                                                                                   | 65.0       | 12,900 |
| 70                                                                                                                                                                                                                                                                                                                                                                                                   | 62.5       | 11,400 |
| 75                                                                                                                                                                                                                                                                                                                                                                                                   | 59.5       | 9,900  |
| 80                                                                                                                                                                                                                                                                                                                                                                                                   | 57.0       | 8,700  |
| 85                                                                                                                                                                                                                                                                                                                                                                                                   | 54.0       | 7,600  |
| 90                                                                                                                                                                                                                                                                                                                                                                                                   | 51.5       | 6,700  |
| 95                                                                                                                                                                                                                                                                                                                                                                                                   | 48.5       | 5,900  |
| 100                                                                                                                                                                                                                                                                                                                                                                                                  | 45.5       | 5,200  |
| 105                                                                                                                                                                                                                                                                                                                                                                                                  | 42.0       | 4,500  |
| 110                                                                                                                                                                                                                                                                                                                                                                                                  | 38.5       | 4,000  |
| 115                                                                                                                                                                                                                                                                                                                                                                                                  | 35.0       | 3,500  |
| 120                                                                                                                                                                                                                                                                                                                                                                                                  | 30.5       | 3,000  |
| 125                                                                                                                                                                                                                                                                                                                                                                                                  | 26.0       | 2,600  |
| 130                                                                                                                                                                                                                                                                                                                                                                                                  | 20.0       | 2,200  |
| 135                                                                                                                                                                                                                                                                                                                                                                                                  | 10.0       | 1,800  |
| Min.Bm.<br>Ang./Cap.                                                                                                                                                                                                                                                                                                                                                                                 | 0.0        | 1,400  |
| Radius (ft)                                                                                                                                                                                                                                                                                                                                                                                          | 136.1      |        |

SN: P9L4-7599

**Rated Lifting Capacities  
In Pounds**



**Full**

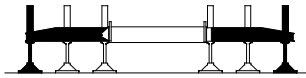


| Load Radius (ft)  | 41.0 ft    |         |           | 50.0 ft    |        |           | 60.0 ft    |        |           |
|-------------------|------------|---------|-----------|------------|--------|-----------|------------|--------|-----------|
|                   | $\angle$ ° | 360°    | Over Rear | $\angle$ ° | 360°   | Over Rear | $\angle$ ° | 360°   | Over Rear |
| 9                 | 71.5       | 150,000 | 150,000   |            |        |           |            |        |           |
| 10                | 70.0       | 140,500 | 140,500   | 74.0       | 89,000 | 89,000    | 77.0       | 62,900 | 62,900    |
| 12                | 67.0       | 116,600 | 116,600   | 71.5       | 87,100 | 87,100    | 75.0       | 58,500 | 58,500    |
| 15                | 62.0       | 91,300  | 91,300    | 68.0       | 80,000 | 80,000    | 72.0       | 53,000 | 53,000    |
| 20                | 53.0       | 65,700  | 65,700    | 61.5       | 67,600 | 67,600    | 67.0       | 45,700 | 45,700    |
| 25                | 43.0       | 50,200  | 50,200    | 54.0       | 52,100 | 52,100    | 61.5       | 40,200 | 40,200    |
| 30                | 30.0       | 39,700  | 39,700    | 46.0       | 41,700 | 41,700    | 55.5       | 35,900 | 35,900    |
| 35                |            |         |           | 36.5       | 34,300 | 34,300    | 49.0       | 32,400 | 32,400    |
| 40                |            |         |           | 24.0       | 28,000 | 28,000    | 42.0       | 29,500 | 29,500    |
| 45                |            |         |           |            |        |           | 33.5       | 24,300 | 24,300    |
| 50                |            |         |           |            |        |           | 22.0       | 20,300 | 20,300    |
| Min.Bm. Ang./Cap. | 0.0        | 25,500  | 25,500    | 0.0        | 16,600 | 16,600    | 0.0        | 11,500 | 11,500    |
| Radius (ft)       | 34.0       |         |           | 43.0       |        |           | 53.0       |        |           |

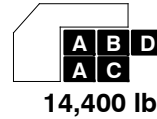
| Load Radius (ft)  | 70.0 ft    |        |           | 80.0 ft    |        |           | 90.0 ft    |        |           |
|-------------------|------------|--------|-----------|------------|--------|-----------|------------|--------|-----------|
|                   | $\angle$ ° | 360°   | Over Rear | $\angle$ ° | 360°   | Over Rear | $\angle$ ° | 360°   | Over Rear |
| 10                | 79.0       | 49,800 | 49,800    |            |        |           |            |        |           |
| 12                | 77.5       | 46,500 | 46,500    | 79.5       | 42,400 | 42,400    |            |        |           |
| 15                | 75.0       | 42,200 | 42,200    | 77.5       | 42,400 | 42,400    | 79.0       | 36,700 | 36,700    |
| 20                | 70.5       | 36,400 | 36,400    | 73.5       | 37,900 | 37,900    | 76.0       | 36,700 | 36,700    |
| 25                | 66.0       | 31,900 | 31,900    | 70.0       | 33,800 | 33,800    | 73.0       | 34,500 | 34,500    |
| 30                | 61.5       | 28,400 | 28,400    | 66.0       | 30,300 | 30,300    | 69.5       | 30,700 | 30,700    |
| 35                | 56.5       | 25,600 | 25,600    | 62.0       | 27,500 | 27,500    | 66.0       | 27,700 | 27,700    |
| 40                | 51.5       | 23,200 | 23,200    | 57.5       | 25,200 | 25,200    | 62.5       | 25,200 | 25,200    |
| 45                | 45.5       | 21,300 | 21,300    | 53.0       | 23,200 | 23,200    | 58.5       | 23,100 | 23,100    |
| 50                | 39.0       | 19,600 | 19,600    | 48.5       | 21,500 | 21,500    | 54.5       | 21,200 | 21,200    |
| 55                | 31.5       | 18,100 | 18,100    | 43.0       | 18,400 | 18,400    | 50.5       | 18,600 | 18,600    |
| 60                | 20.5       | 15,600 | 15,600    | 36.5       | 15,900 | 15,900    | 45.5       | 16,200 | 16,200    |
| 65                |            |        |           | 29.5       | 13,800 | 13,900    | 40.5       | 14,000 | 14,100    |
| 70                |            |        |           | 19.0       | 12,100 | 12,200    | 34.5       | 12,300 | 12,400    |
| 75                |            |        |           |            |        |           | 28.0       | 10,800 | 11,000    |
| 80                |            |        |           |            |        |           | 18.5       | 9,500  | 9,700     |
| Min.Bm. Ang./Cap. | 0.0        | 8,600  | 8,600     | 0.0        | 7,300  | 7,300     | 0.0        | 6,200  | 6,200     |
| Radius (ft)       | 63.0       |        |           | 73.0       |        |           | 83.0       |        |           |

**SN: P9L4-7599**

**Rated Lifting Capacities  
In Pounds**



**Full**



**14,400 lb**

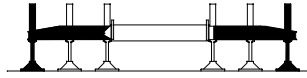


| Load Radius (ft)  | 100.0 ft   |        |           | 110.0 ft   |        |           |
|-------------------|------------|--------|-----------|------------|--------|-----------|
|                   | $\angle$ ° | 360°   | Over Rear | $\angle$ ° | 360°   | Over Rear |
| 20                | 77.5       | 30,700 | 30,700    | 79.0       | 29,100 | 29,100    |
| 25                | 75.0       | 30,700 | 30,700    | 77.0       | 29,100 | 29,100    |
| 30                | 72.0       | 28,400 | 28,400    | 74.5       | 29,100 | 29,100    |
| 35                | 69.0       | 25,700 | 25,700    | 72.0       | 26,600 | 26,600    |
| 40                | 66.0       | 23,400 | 23,400    | 69.0       | 24,400 | 24,400    |
| 45                | 62.5       | 21,400 | 21,400    | 66.0       | 22,500 | 22,500    |
| 50                | 59.5       | 19,700 | 19,700    | 63.5       | 20,900 | 20,900    |
| 55                | 56.0       | 18,200 | 18,200    | 60.0       | 18,400 | 18,400    |
| 60                | 52.0       | 16,200 | 16,200    | 56.5       | 15,900 | 15,900    |
| 65                | 48.0       | 14,100 | 14,100    | 53.0       | 13,800 | 13,900    |
| 70                | 43.5       | 12,400 | 12,500    | 49.5       | 12,100 | 12,300    |
| 75                | 38.5       | 10,900 | 11,000    | 45.5       | 10,700 | 10,900    |
| 80                | 33.0       | 9,600  | 9,800     | 41.5       | 9,400  | 9,600     |
| 85                | 26.5       | 8,500  | 8,700     | 37.0       | 8,300  | 8,500     |
| 90                | 17.5       | 7,500  | 7,700     | 31.5       | 7,300  | 7,600     |
| 95                |            |        |           | 25.5       | 6,500  | 6,700     |
| 100               |            |        |           | 17.0       | 5,700  | 6,000     |
| Min.Bm. Ang./Cap. | 0.0        | 5,200  | 5,200     | 0.0        | 4,200  | 4,200     |
| Radius (ft)       | 93.0       |        |           | 103.0      |        |           |

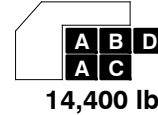
| Load Radius (ft)  | 120.0 ft   |        |           | 127.0 ft   |        |           |
|-------------------|------------|--------|-----------|------------|--------|-----------|
|                   | $\angle$ ° | 360°   | Over Rear | $\angle$ ° | 360°   | Over Rear |
| 25                | 78.5       | 25,500 | 25,500    | 79.0       | 22,600 | 22,600    |
| 30                | 76.5       | 25,500 | 25,500    | 77.0       | 22,600 | 22,600    |
| 35                | 74.0       | 25,500 | 25,500    | 75.5       | 22,600 | 22,600    |
| 40                | 72.0       | 25,000 | 25,000    | 73.5       | 22,600 | 22,600    |
| 45                | 69.5       | 23,200 | 23,200    | 71.0       | 22,600 | 22,600    |
| 50                | 66.5       | 21,300 | 21,300    | 69.0       | 21,000 | 21,000    |
| 55                | 63.5       | 18,200 | 18,200    | 66.0       | 18,000 | 18,000    |
| 60                | 60.5       | 15,700 | 15,700    | 63.0       | 15,500 | 15,600    |
| 65                | 57.5       | 13,600 | 13,700    | 60.5       | 13,400 | 13,500    |
| 70                | 54.5       | 11,900 | 12,100    | 57.5       | 11,800 | 12,000    |
| 75                | 51.0       | 10,400 | 10,700    | 54.5       | 10,300 | 10,500    |
| 80                | 47.5       | 9,200  | 9,400     | 51.0       | 9,100  | 9,300     |
| 85                | 44.0       | 8,100  | 8,400     | 48.0       | 8,000  | 8,200     |
| 90                | 40.0       | 7,200  | 7,400     | 44.5       | 7,000  | 7,300     |
| 95                | 35.5       | 6,300  | 6,600     | 40.5       | 6,200  | 6,500     |
| 100               | 30.5       | 5,600  | 5,800     | 36.5       | 5,500  | 5,700     |
| 105               | 24.5       | 4,900  | 5,100     | 32.0       | 4,800  | 5,100     |
| 110               | 16.5       | 4,300  | 4,600     | 26.5       | 4,200  | 4,500     |
| 115               |            |        |           | 20.0       | 3,700  | 3,900     |
| Min.Bm. Ang./Cap. | 0.0        | 3,300  | 3,300     | 0.0        | 2,700  | 2,700     |
| Radius (ft)       | 113.0      |        |           | 120.0      |        |           |

**SN: P9L4-7599**

**Rated Lifting Capacities  
In Pounds**



Full



14,400 lb

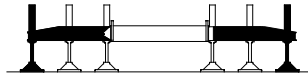


| Load<br>Radius<br>(ft) | 41.0 ft    |         |              | 50.0 ft    |        |              | 60.0 ft    |        |              | 70.0 ft    |        |              |
|------------------------|------------|---------|--------------|------------|--------|--------------|------------|--------|--------------|------------|--------|--------------|
|                        | $\angle$ ° | 360°    | Over<br>Rear | $\angle$ ° | 360°   | Over<br>Rear | $\angle$ ° | 360°   | Over<br>Rear | $\angle$ ° | 360°   | Over<br>Rear |
| 9                      | 71.5       | 150,000 | 150,000      |            |        |              |            |        |              |            |        |              |
| 10                     | 70.0       | 140,500 | 140,500      | 74.0       | 89,000 | 89,000       | 77.0       | 77,000 | 77,000       | 79.5       | 74,000 | 74,000       |
| 12                     | 67.0       | 116,600 | 116,600      | 71.5       | 87,100 | 87,100       | 75.0       | 72,200 | 72,200       | 77.5       | 74,000 | 74,000       |
| 15                     | 62.0       | 91,300  | 91,300       | 68.0       | 80,000 | 80,000       | 72.0       | 66,000 | 66,000       | 75.0       | 68,500 | 68,500       |
| 20                     | 53.0       | 65,700  | 65,700       | 61.5       | 67,600 | 67,600       | 67.0       | 57,800 | 57,800       | 71.0       | 60,800 | 60,800       |
| 25                     | 43.0       | 50,200  | 50,200       | 54.0       | 52,100 | 52,100       | 61.5       | 51,400 | 51,400       | 66.5       | 53,700 | 53,700       |
| 30                     | 30.0       | 39,700  | 39,700       | 46.0       | 41,700 | 41,700       | 55.5       | 42,800 | 42,800       | 61.5       | 43,300 | 43,300       |
| 35                     |            |         |              | 36.5       | 34,300 | 34,300       | 49.0       | 35,400 | 35,400       | 56.5       | 35,900 | 35,900       |
| 40                     |            |         |              | 24.0       | 28,000 | 28,000       | 42.0       | 29,300 | 29,300       | 51.0       | 29,700 | 29,700       |
| 45                     |            |         |              |            |        |              | 33.5       | 24,000 | 24,000       | 45.5       | 24,600 | 24,600       |
| 50                     |            |         |              |            |        |              | 21.5       | 20,000 | 20,000       | 38.5       | 20,600 | 20,600       |
| 55                     |            |         |              |            |        |              |            |        |              | 31.0       | 17,500 | 17,500       |
| 60                     |            |         |              |            |        |              |            |        |              | 20.0       | 15,000 | 15,000       |
| Min.Bm.<br>Ang./Cap.   | 0.0        | 25,500  | 25,500       | 0.0        | 16,600 | 16,600       | 0.0        | 12,400 | 12,400       | 0.0        | 10,300 | 10,300       |
| Radius (ft)            | 34.0       |         |              | 43.0       |        |              | 53.0       |        |              | 63.0       |        |              |

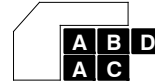
| Load<br>Radius<br>(ft) | 80.0 ft    |        |              | 90.0 ft    |        |              | 100.0 ft   |        |              | 113.1 ft   |        |              |
|------------------------|------------|--------|--------------|------------|--------|--------------|------------|--------|--------------|------------|--------|--------------|
|                        | $\angle$ ° | 360°   | Over<br>Rear | $\angle$ ° | 360°   | Over<br>Rear | $\angle$ ° | 360°   | Over<br>Rear | $\angle$ ° | 360°   | Over<br>Rear |
| 12                     | 79.5       | 57,000 | 57,000       |            |        |              |            |        |              |            |        |              |
| 15                     | 77.5       | 51,900 | 51,900       | 79.5       | 48,700 | 48,700       |            |        |              |            |        |              |
| 20                     | 73.5       | 44,900 | 44,900       | 76.0       | 42,800 | 42,800       | 78.5       | 42,500 | 42,500       |            |        |              |
| 25                     | 70.0       | 39,500 | 39,500       | 73.0       | 38,100 | 38,100       | 75.5       | 38,300 | 38,300       | 78.0       | 32,800 | 32,800       |
| 30                     | 66.0       | 35,100 | 35,100       | 69.5       | 34,100 | 34,100       | 72.5       | 34,800 | 34,800       | 75.5       | 32,100 | 32,100       |
| 35                     | 62.0       | 31,600 | 31,600       | 66.0       | 30,800 | 30,800       | 69.5       | 31,500 | 31,500       | 73.0       | 29,200 | 29,200       |
| 40                     | 57.5       | 28,700 | 28,700       | 62.5       | 28,100 | 28,100       | 66.5       | 29,000 | 29,000       | 70.5       | 26,700 | 26,700       |
| 45                     | 53.0       | 24,900 | 24,900       | 58.5       | 24,900 | 24,900       | 63.0       | 24,700 | 24,700       | 67.5       | 24,400 | 24,400       |
| 50                     | 48.0       | 21,000 | 21,000       | 54.5       | 20,900 | 20,900       | 59.0       | 20,700 | 20,700       | 64.5       | 20,500 | 20,500       |
| 55                     | 42.5       | 17,900 | 17,900       | 50.0       | 17,800 | 17,800       | 55.5       | 17,600 | 17,600       | 61.0       | 17,400 | 17,400       |
| 60                     | 36.5       | 15,400 | 15,400       | 45.5       | 15,300 | 15,400       | 51.5       | 15,100 | 15,200       | 58.0       | 14,900 | 15,000       |
| 65                     | 29.0       | 13,300 | 13,300       | 40.0       | 13,200 | 13,300       | 47.5       | 13,000 | 13,200       | 54.5       | 12,800 | 13,000       |
| 70                     | 19.0       | 11,500 | 11,600       | 34.5       | 11,600 | 11,700       | 43.0       | 11,400 | 11,600       | 51.0       | 11,200 | 11,400       |
| 75                     |            |        |              | 27.5       | 10,100 | 10,200       | 38.5       | 9,900  | 10,100       | 47.5       | 9,700  | 10,000       |
| 80                     |            |        |              | 18.0       | 8,800  | 9,000        | 33.0       | 8,700  | 8,900        | 43.5       | 8,500  | 8,700        |
| 85                     |            |        |              |            |        |              | 26.5       | 7,600  | 7,800        | 39.5       | 7,400  | 7,600        |
| 90                     |            |        |              |            |        |              | 17.5       | 6,600  | 6,800        | 34.5       | 6,500  | 6,700        |
| 95                     |            |        |              |            |        |              |            |        |              | 29.0       | 5,600  | 5,900        |
| 100                    |            |        |              |            |        |              |            |        |              | 22.5       | 4,900  | 5,100        |
| 105                    |            |        |              |            |        |              |            |        |              | 11.5       | 4,200  | 4,500        |
| Min.Bm.<br>Ang./Cap.   | 0.0        | 8,500  | 8,500        | 0.0        | 6,900  | 6,900        | 0.0        | 5,500  | 5,500        | 0.0        | 4,000  | 4,000        |
| Radius (ft)            | 73.0       |        |              | 83.0       |        |              | 93.0       |        |              | 106.1      |        |              |

SN: P9L4-7599

**Rated Lifting Capacities  
In Pounds**



**Full**



**14,400 lb**

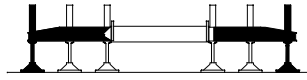


| Load<br>Radius<br>(ft) | 41.0 ft    |         |              | 50.0 ft    |        |              | 60.0 ft    |        |              | 70.0 ft    |        |              |
|------------------------|------------|---------|--------------|------------|--------|--------------|------------|--------|--------------|------------|--------|--------------|
|                        | $\angle$ ° | 360°    | Over<br>Rear | $\angle$ ° | 360°   | Over<br>Rear | $\angle$ ° | 360°   | Over<br>Rear | $\angle$ ° | 360°   | Over<br>Rear |
| 9                      | 71.5       | 150,000 | 150,000      |            |        |              |            |        |              |            |        |              |
| 10                     | 70.0       | 140,500 | 140,500      | 74.0       | 89,000 | 89,000       | 77.0       | 77,000 | 77,000       | 79.5       | 74,400 | 74,400       |
| 12                     | 67.0       | 116,600 | 116,600      | 71.5       | 87,100 | 87,100       | 75.0       | 72,200 | 72,200       | 77.5       | 74,300 | 74,300       |
| 15                     | 62.0       | 91,300  | 91,300       | 68.0       | 80,000 | 80,000       | 72.0       | 66,000 | 66,000       | 75.0       | 68,700 | 68,700       |
| 20                     | 53.0       | 65,700  | 65,700       | 61.5       | 67,600 | 67,600       | 67.0       | 57,800 | 57,800       | 71.0       | 60,900 | 60,900       |
| 25                     | 43.0       | 50,200  | 50,200       | 54.0       | 52,100 | 52,100       | 61.5       | 51,400 | 51,400       | 66.5       | 53,600 | 53,600       |
| 30                     | 30.0       | 39,700  | 39,700       | 46.0       | 41,700 | 41,700       | 55.5       | 42,800 | 42,800       | 61.5       | 43,300 | 43,300       |
| 35                     |            |         |              | 36.5       | 34,300 | 34,300       | 49.0       | 35,400 | 35,400       | 56.5       | 35,900 | 35,900       |
| 40                     |            |         |              | 24.0       | 28,000 | 28,000       | 42.0       | 29,300 | 29,300       | 51.0       | 29,700 | 29,700       |
| 45                     |            |         |              |            |        |              | 33.5       | 24,000 | 24,000       | 45.5       | 24,500 | 24,500       |
| 50                     |            |         |              |            |        |              | 21.5       | 20,000 | 20,000       | 38.5       | 20,600 | 20,600       |
| 55                     |            |         |              |            |        |              |            |        |              | 31.0       | 17,400 | 17,400       |
| 60                     |            |         |              |            |        |              |            |        |              | 20.0       | 14,900 | 14,900       |
| Min.Bm.<br>Ang./Cap.   | 0.0        | 25,500  | 25,500       | 0.0        | 16,600 | 16,600       | 0.0        | 12,400 | 12,400       | 0.0        | 10,200 | 10,200       |
| Radius (ft)            | 34.0       |         |              | 43.0       |        |              | 53.0       |        |              | 63.0       |        |              |

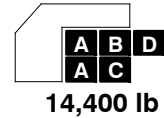
| Load<br>Radius<br>(ft) | 80.0 ft    |        |              | 90.0 ft    |        |              | 98.7 ft    |        |              |
|------------------------|------------|--------|--------------|------------|--------|--------------|------------|--------|--------------|
|                        | $\angle$ ° | 360°   | Over<br>Rear | $\angle$ ° | 360°   | Over<br>Rear | $\angle$ ° | 360°   | Over<br>Rear |
| 12                     | 79.5       | 62,800 | 62,800       |            |        |              |            |        |              |
| 15                     | 77.5       | 62,800 | 62,800       | 79.5       | 61,400 | 61,400       |            |        |              |
| 20                     | 74.0       | 62,800 | 62,800       | 76.5       | 57,100 | 57,100       | 78.0       | 47,900 | 47,900       |
| 25                     | 70.0       | 53,400 | 53,400       | 73.0       | 49,900 | 49,900       | 75.5       | 42,500 | 42,500       |
| 30                     | 66.0       | 43,100 | 43,100       | 69.5       | 43,000 | 43,000       | 72.5       | 38,100 | 38,100       |
| 35                     | 62.0       | 35,800 | 35,800       | 66.0       | 35,700 | 35,700       | 69.0       | 34,300 | 34,300       |
| 40                     | 57.5       | 29,500 | 29,500       | 62.5       | 29,300 | 29,300       | 66.0       | 29,100 | 29,100       |
| 45                     | 52.5       | 24,300 | 24,300       | 58.5       | 24,200 | 24,200       | 62.0       | 24,100 | 24,100       |
| 50                     | 47.5       | 20,400 | 20,400       | 54.0       | 20,300 | 20,300       | 58.5       | 20,100 | 20,100       |
| 55                     | 42.5       | 17,300 | 17,300       | 50.0       | 17,200 | 17,200       | 55.0       | 17,100 | 17,100       |
| 60                     | 36.0       | 14,800 | 14,800       | 45.0       | 14,700 | 14,700       | 51.0       | 14,600 | 14,600       |
| 65                     | 29.0       | 12,800 | 12,800       | 40.0       | 12,700 | 12,700       | 46.5       | 12,600 | 12,700       |
| 70                     | 19.0       | 11,000 | 11,100       | 34.5       | 10,900 | 11,100       | 42.0       | 10,800 | 11,000       |
| 75                     |            |        |              | 27.5       | 9,400  | 9,600        | 37.0       | 9,400  | 9,600        |
| 80                     |            |        |              | 18.0       | 8,100  | 8,400        | 31.5       | 8,100  | 8,300        |
| 85                     |            |        |              |            |        |              | 24.5       | 7,000  | 7,200        |
| 90                     |            |        |              |            |        |              | 14.0       | 6,000  | 6,300        |
| Min.Bm.<br>Ang./Cap.   | 0.0        | 8,200  | 8,200        | 0.0        | 6,500  | 6,500        | 0.0        | 5,200  | 5,200        |
| Radius (ft)            | 73.0       |        |              | 83.0       |        |              | 91.7       |        |              |

**SN: P9L4-7599**

**Fixed Boom Lengths  
Rated Lifting Capacities  
In Pounds  
See Operation Note 10.**



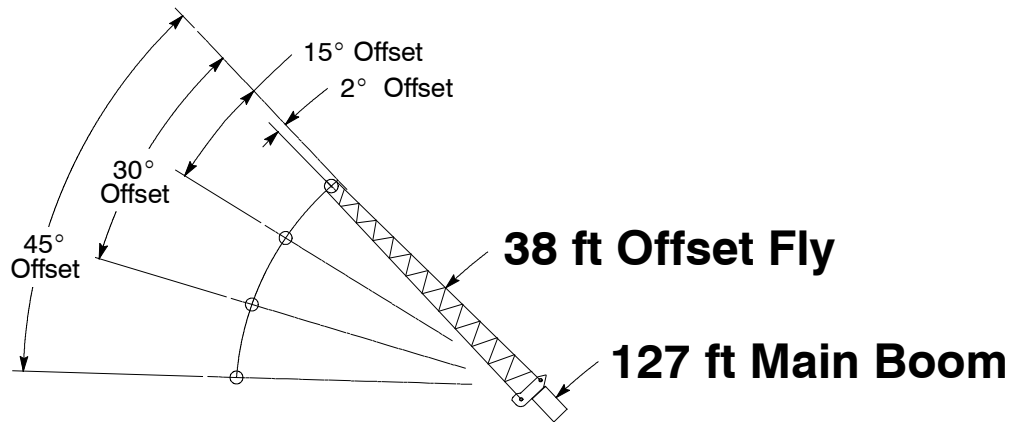
**Full**

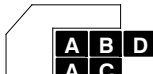


| Load<br>Radius<br>(ft) | 41.0 ft    |         |              | 47.0 ft    |         |              |
|------------------------|------------|---------|--------------|------------|---------|--------------|
|                        | $\angle$ ° | 360°    | Over<br>Rear | $\angle$ ° | 360°    | Over<br>Rear |
| 9                      | 71.5       | 150,000 | 150,000      |            |         |              |
| 10                     | 70.0       | 140,500 | 140,500      | 73.0       | 110,700 | 110,700      |
| 12                     | 67.0       | 116,600 | 116,600      | 70.0       | 105,000 | 105,000      |
| 15                     | 62.0       | 91,300  | 91,300       | 66.0       | 92,600  | 92,600       |
| 20                     | 53.0       | 65,700  | 65,700       | 59.0       | 67,000  | 67,000       |
| 25                     | 43.0       | 50,200  | 50,200       | 51.0       | 51,500  | 51,500       |
| 30                     | 30.0       | 39,700  | 39,700       | 42.0       | 41,100  | 41,100       |
| 35                     |            |         |              | 30.5       | 33,700  | 33,700       |
| Min.Bm.<br>Ang./Cap.   | 0.0        | 25,500  | 25,500       | 0.0        | 18,900  | 18,900       |
| Radius (ft)            | 34.0       |         |              | 40.0       |         |              |

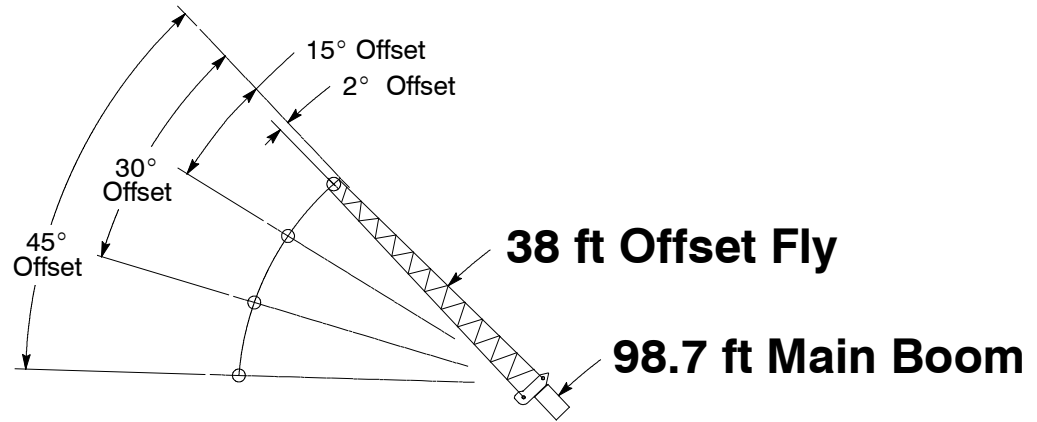
| Load<br>Radius<br>(ft) | 61.3 ft    |         |              | 76.0 ft    |        |              |
|------------------------|------------|---------|--------------|------------|--------|--------------|
|                        | $\angle$ ° | 360°    | Over<br>Rear | $\angle$ ° | 360°   | Over<br>Rear |
| 10                     | 77.5       | 106,900 | 106,900      |            |        |              |
| 12                     | 75.5       | 106,900 | 106,900      | 79.0       | 81,000 | 81,000       |
| 15                     | 72.5       | 93,700  | 93,700       | 77.0       | 77,400 | 77,400       |
| 20                     | 67.5       | 68,300  | 68,300       | 73.0       | 68,100 | 68,100       |
| 25                     | 62.0       | 52,800  | 52,800       | 68.5       | 52,700 | 52,700       |
| 30                     | 56.5       | 42,500  | 42,500       | 64.5       | 42,400 | 42,400       |
| 35                     | 50.0       | 35,100  | 35,100       | 60.0       | 35,100 | 35,100       |
| 40                     | 43.5       | 28,900  | 28,900       | 55.0       | 28,700 | 28,700       |
| 45                     | 35.5       | 23,600  | 23,600       | 50.0       | 23,600 | 23,600       |
| 50                     | 25.0       | 19,700  | 19,700       | 44.5       | 19,700 | 19,700       |
| 55                     |            |         |              | 38.5       | 16,600 | 16,600       |
| 60                     |            |         |              | 31.5       | 14,100 | 14,100       |
| 65                     |            |         |              | 22.0       | 12,000 | 12,100       |
| Min.Bm.<br>Ang./Cap.   | 0.0        | 13,700  | 13,700       | 0.0        | 9,500  | 9,500        |
| Radius (ft)            | 54.3       |         |              | 69.0       |        |              |

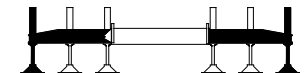
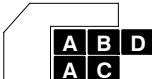
**SN: P9L4-7599**



| Rated Lifting Capacities<br>In Pounds |                                                                                     |        | <br>Full |        | <br>14,400 lb |       |    |       |
|---------------------------------------|-------------------------------------------------------------------------------------|--------|-------------------------------------------------------------------------------------------|--------|-------------------------------------------------------------------------------------------------|-------|---------------------------------------------------------------------------------------|-------|
| Load<br>Radius<br>(ft)                | 2° Offset                                                                           |        | 15° Offset                                                                                |        | 30° Offset                                                                                      |       | 45° Offset                                                                            |       |
|                                       |  ° | 360°   |  °       | 360°   |  °             | 360°  |  ° | 360°  |
| 35                                    | 79.5                                                                                | 10,900 |                                                                                           |        |                                                                                                 |       |                                                                                       |       |
| 40                                    | 78.0                                                                                | 10,900 |                                                                                           |        |                                                                                                 |       |                                                                                       |       |
| 45                                    | 76.5                                                                                | 10,900 | 79.5                                                                                      | 10,400 |                                                                                                 |       |                                                                                       |       |
| 50                                    | 75.0                                                                                | 10,900 | 78.0                                                                                      | 10,300 |                                                                                                 |       |                                                                                       |       |
| 55                                    | 73.5                                                                                | 10,900 | 76.5                                                                                      | 10,100 | 79.5                                                                                            | 9,100 |                                                                                       |       |
| 60                                    | 72.0                                                                                | 10,900 | 75.0                                                                                      | 9,900  | 77.5                                                                                            | 8,900 |                                                                                       |       |
| 65                                    | 70.5                                                                                | 10,700 | 73.0                                                                                      | 9,700  | 76.0                                                                                            | 8,700 | 78.0                                                                                  | 8,100 |
| 70                                    | 69.0                                                                                | 10,500 | 71.5                                                                                      | 9,500  | 74.0                                                                                            | 8,600 | 76.5                                                                                  | 8,000 |
| 75                                    | 67.0                                                                                | 10,200 | 69.5                                                                                      | 9,300  | 72.5                                                                                            | 8,500 | 74.5                                                                                  | 7,900 |
| 80                                    | 65.0                                                                                | 9,600  | 67.5                                                                                      | 9,000  | 70.5                                                                                            | 8,300 | 72.5                                                                                  | 7,700 |
| 85                                    | 62.5                                                                                | 8,500  | 65.5                                                                                      | 8,500  | 68.5                                                                                            | 8,000 | 70.5                                                                                  | 7,700 |
| 90                                    | 60.5                                                                                | 7,600  | 63.5                                                                                      | 8,000  | 66.5                                                                                            | 7,700 | 68.5                                                                                  | 7,400 |
| 95                                    | 58.0                                                                                | 6,700  | 61.0                                                                                      | 7,100  | 64.0                                                                                            | 7,400 | 66.0                                                                                  | 7,200 |
| 100                                   | 55.5                                                                                | 5,900  | 58.5                                                                                      | 6,300  | 61.5                                                                                            | 6,700 | 64.0                                                                                  | 6,900 |
| 105                                   | 53.0                                                                                | 5,300  | 56.0                                                                                      | 5,600  | 59.0                                                                                            | 6,000 | 61.0                                                                                  | 6,200 |
| 110                                   | 50.5                                                                                | 4,700  | 53.5                                                                                      | 5,000  | 56.0                                                                                            | 5,300 | 58.0                                                                                  | 5,500 |
| 115                                   | 47.5                                                                                | 4,100  | 50.5                                                                                      | 4,400  | 53.5                                                                                            | 4,700 | 55.0                                                                                  | 4,900 |
| 120                                   | 44.5                                                                                | 3,600  | 47.5                                                                                      | 3,900  | 50.5                                                                                            | 4,100 | 51.5                                                                                  | 4,300 |
| 125                                   | 41.5                                                                                | 3,200  | 44.5                                                                                      | 3,400  | 47.0                                                                                            | 3,600 | 48.0                                                                                  | 3,700 |
| 130                                   | 38.5                                                                                | 2,800  | 41.5                                                                                      | 3,000  | 43.5                                                                                            | 3,200 |                                                                                       |       |
| 135                                   | 35.0                                                                                | 2,400  | 38.0                                                                                      | 2,600  | 40.0                                                                                            | 2,700 |                                                                                       |       |
| 140                                   | 31.0                                                                                | 2,100  | 34.0                                                                                      | 2,200  | 35.5                                                                                            | 2,300 |                                                                                       |       |
| 145                                   | 26.5                                                                                | 1,800  | 29.5                                                                                      | 1,900  | 30.5                                                                                            | 1,900 |                                                                                       |       |
| 150                                   | 21.5                                                                                | 1,500  | 24.0                                                                                      | 1,600  |                                                                                                 |       |                                                                                       |       |
| 155                                   | 14.0                                                                                | 1,200  | 16.0                                                                                      | 1,300  |                                                                                                 |       |                                                                                       |       |
| Min.Bm.<br>Ang./Cap.                  | 0.0                                                                                 | 500    | 0.0                                                                                       | 500    | 0.0                                                                                             | 600   | 0.0                                                                                   | 700   |
| Radius (ft)                           | 158.0                                                                               |        | 157.5                                                                                     |        | 155.0                                                                                           |       | 150.6                                                                                 |       |

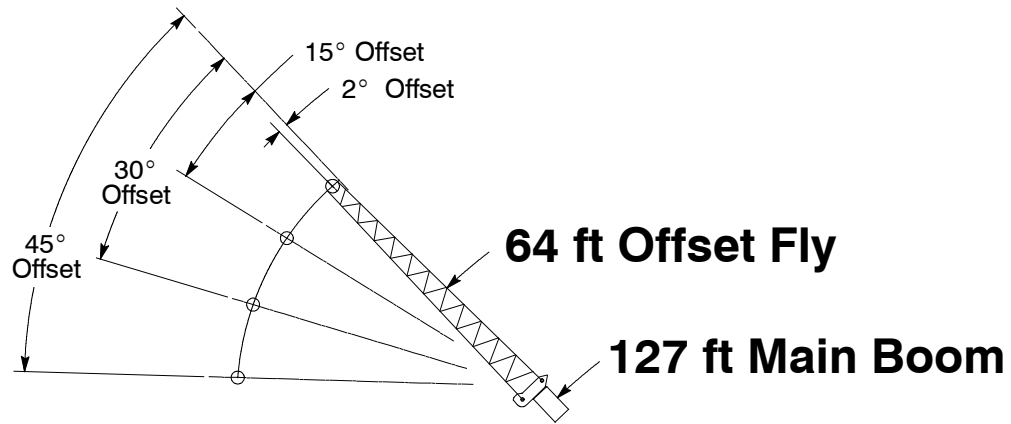
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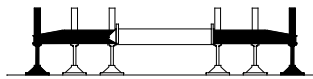
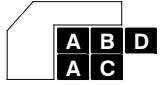


| Rated Lifting Capacities<br>In Pounds |                                                                                     |        |    |        |  |        |    |       |
|---------------------------------------|-------------------------------------------------------------------------------------|--------|-------------------------------------------------------------------------------------|--------|-------------------------------------------------------------------------------------|--------|---------------------------------------------------------------------------------------|-------|
|                                       |                                                                                     |        | Full                                                                                |        | 14,400 lb                                                                           |        |                                                                                       |       |
| Load<br>Radius<br>(ft)                | 2° Offset                                                                           |        | 15° Offset                                                                          |        | 30° Offset                                                                          |        | 45° Offset                                                                            |       |
|                                       |  ° | 360°   |  ° | 360°   |  ° | 360°   |  ° | 360°  |
| 30                                    | 78.0                                                                                | 16,200 |                                                                                     |        |                                                                                     |        |                                                                                       |       |
| 35                                    | 76.0                                                                                | 15,600 |                                                                                     |        |                                                                                     |        |                                                                                       |       |
| 40                                    | 74.0                                                                                | 14,900 | 77.0                                                                                | 12,500 |                                                                                     |        |                                                                                       |       |
| 45                                    | 72.0                                                                                | 14,300 | 75.0                                                                                | 12,000 | 78.5                                                                                | 10,100 |                                                                                       |       |
| 50                                    | 69.5                                                                                | 13,600 | 73.0                                                                                | 11,500 | 76.5                                                                                | 9,800  |                                                                                       |       |
| 55                                    | 67.5                                                                                | 13,000 | 70.5                                                                                | 11,100 | 74.0                                                                                | 9,500  | 77.0                                                                                  | 8,600 |
| 60                                    | 65.0                                                                                | 12,500 | 68.5                                                                                | 10,700 | 72.0                                                                                | 9,300  | 74.5                                                                                  | 8,400 |
| 65                                    | 63.0                                                                                | 11,900 | 66.0                                                                                | 10,300 | 69.5                                                                                | 9,000  | 72.0                                                                                  | 8,300 |
| 70                                    | 60.5                                                                                | 11,400 | 63.5                                                                                | 10,000 | 67.0                                                                                | 8,800  | 69.5                                                                                  | 8,100 |
| 75                                    | 58.0                                                                                | 10,700 | 61.0                                                                                | 9,700  | 64.5                                                                                | 8,600  | 67.0                                                                                  | 8,000 |
| 80                                    | 55.0                                                                                | 9,400  | 58.5                                                                                | 9,400  | 62.0                                                                                | 8,500  | 64.0                                                                                  | 7,900 |
| 85                                    | 52.0                                                                                | 8,300  | 56.0                                                                                | 8,800  | 59.0                                                                                | 8,300  | 61.0                                                                                  | 7,800 |
| 90                                    | 49.0                                                                                | 7,300  | 52.5                                                                                | 7,800  | 56.0                                                                                | 8,200  | 58.0                                                                                  | 7,700 |
| 95                                    | 46.0                                                                                | 6,500  | 49.5                                                                                | 6,900  | 52.5                                                                                | 7,200  | 54.5                                                                                  | 7,400 |
| 100                                   | 42.5                                                                                | 5,700  | 46.0                                                                                | 6,100  | 49.0                                                                                | 6,400  | 50.5                                                                                  | 6,500 |
| 105                                   | 38.5                                                                                | 5,100  | 42.0                                                                                | 5,400  | 45.0                                                                                | 5,600  | 46.5                                                                                  | 5,700 |
| 110                                   | 34.5                                                                                | 4,500  | 38.0                                                                                | 4,700  | 40.5                                                                                | 4,900  |                                                                                       |       |
| 115                                   | 30.0                                                                                | 3,900  | 33.5                                                                                | 4,100  | 35.5                                                                                | 4,300  |                                                                                       |       |
| 120                                   | 25.0                                                                                | 3,400  | 28.0                                                                                | 3,600  |                                                                                     |        |                                                                                       |       |
| 125                                   | 18.0                                                                                | 3,000  | 21.0                                                                                | 3,100  |                                                                                     |        |                                                                                       |       |
| Min.Bm.<br>Ang./Cap.                  | 0.0                                                                                 | 1,900  | 0.0                                                                                 | 1,900  | 0.0                                                                                 | 2,100  | 0.0                                                                                   | 2,300 |
| Radius (ft)                           | 129.7                                                                               |        | 129.3                                                                               |        | 127.0                                                                               |        | 122.9                                                                                 |       |

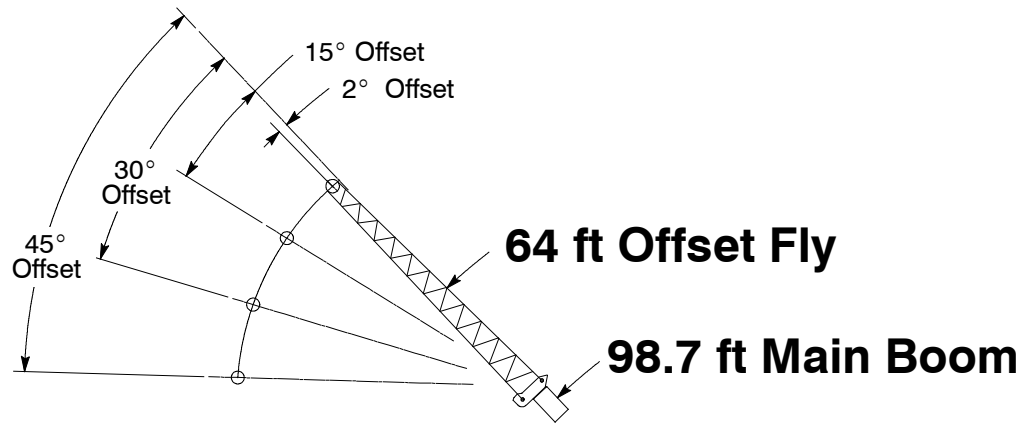
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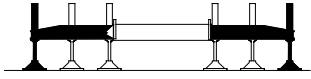




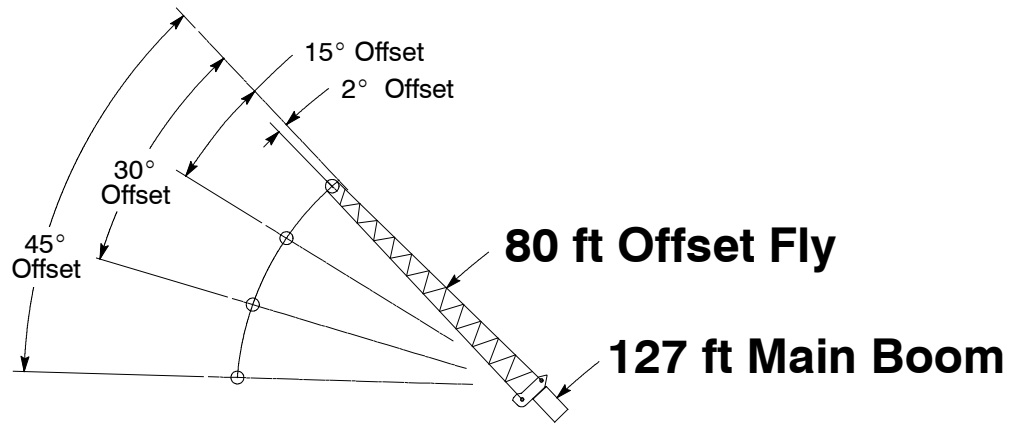
| Rated Lifting Capacities<br>In Pounds        |                                                                                     |       | <br>Full |       | <br>14,400 lb |       |    |       |
|----------------------------------------------|-------------------------------------------------------------------------------------|-------|-------------------------------------------------------------------------------------------|-------|-------------------------------------------------------------------------------------------------|-------|---------------------------------------------------------------------------------------|-------|
| Load<br>Radius<br>(ft)                       | 2° Offset                                                                           |       | 15° Offset                                                                                |       | 30° Offset                                                                                      |       | 45° Offset                                                                            |       |
|                                              |  ° | 360°  |  °       | 360°  |  °             | 360°  |  ° | 360°  |
| 45                                           | 79.5                                                                                | 7,300 |                                                                                           |       |                                                                                                 |       |                                                                                       |       |
| 50                                           | 78.5                                                                                | 7,300 |                                                                                           |       |                                                                                                 |       |                                                                                       |       |
| 55                                           | 77.0                                                                                | 7,200 |                                                                                           |       |                                                                                                 |       |                                                                                       |       |
| 60                                           | 76.0                                                                                | 7,100 |                                                                                           |       |                                                                                                 |       |                                                                                       |       |
| 65                                           | 74.5                                                                                | 6,900 | 79.0                                                                                      | 6,100 |                                                                                                 |       |                                                                                       |       |
| 70                                           | 73.0                                                                                | 6,800 | 77.5                                                                                      | 6,000 |                                                                                                 |       |                                                                                       |       |
| 75                                           | 72.0                                                                                | 6,600 | 76.0                                                                                      | 5,800 |                                                                                                 |       |                                                                                       |       |
| 80                                           | 70.5                                                                                | 6,500 | 74.5                                                                                      | 5,600 | 79.0                                                                                            | 4,900 |                                                                                       |       |
| 85                                           | 69.0                                                                                | 6,300 | 73.0                                                                                      | 5,500 | 77.5                                                                                            | 4,800 |                                                                                       |       |
| 90                                           | 67.5                                                                                | 6,100 | 71.5                                                                                      | 5,300 | 76.0                                                                                            | 4,700 | 79.5                                                                                  | 4,200 |
| 95                                           | 66.0                                                                                | 5,900 | 70.0                                                                                      | 5,200 | 74.0                                                                                            | 4,600 | 78.0                                                                                  | 4,200 |
| 100                                          | 64.5                                                                                | 5,700 | 68.5                                                                                      | 5,100 | 72.5                                                                                            | 4,500 | 76.0                                                                                  | 4,100 |
| 105                                          | 62.5                                                                                | 5,400 | 66.5                                                                                      | 4,900 | 71.0                                                                                            | 4,400 | 74.5                                                                                  | 4,100 |
| 110                                          | 60.5                                                                                | 5,100 | 65.0                                                                                      | 4,700 | 69.0                                                                                            | 4,300 | 72.5                                                                                  | 4,100 |
| 115                                          | 58.5                                                                                | 4,700 | 63.0                                                                                      | 4,500 | 67.0                                                                                            | 4,200 | 70.5                                                                                  | 4,000 |
| 120                                          | 56.5                                                                                | 4,200 | 61.0                                                                                      | 4,300 | 65.0                                                                                            | 4,000 | 68.5                                                                                  | 3,900 |
| 125                                          | 54.5                                                                                | 3,800 | 59.0                                                                                      | 4,100 | 63.0                                                                                            | 3,900 | 66.5                                                                                  | 3,800 |
| 130                                          | 52.0                                                                                | 3,300 | 57.0                                                                                      | 3,800 | 61.0                                                                                            | 3,700 | 64.0                                                                                  | 3,600 |
| 135                                          | 50.0                                                                                | 2,900 | 54.5                                                                                      | 3,300 | 59.0                                                                                            | 3,600 | 61.5                                                                                  | 3,500 |
| 140                                          | 47.5                                                                                | 2,600 | 52.0                                                                                      | 3,000 | 56.5                                                                                            | 3,300 | 59.0                                                                                  | 3,400 |
| 145                                          | 45.0                                                                                | 2,300 | 49.5                                                                                      | 2,600 | 53.5                                                                                            | 2,900 | 56.0                                                                                  | 3,100 |
| 150                                          | 42.5                                                                                | 2,000 | 47.0                                                                                      | 2,300 | 51.0                                                                                            | 2,500 | 52.5                                                                                  | 2,700 |
| 155                                          | 40.0                                                                                | 1,700 | 44.5                                                                                      | 2,000 | 47.5                                                                                            | 2,200 | 49.0                                                                                  | 2,300 |
| 160                                          | 37.5                                                                                | 1,400 | 41.5                                                                                      | 1,700 | 44.5                                                                                            | 1,900 | 45.0                                                                                  | 1,900 |
| 165                                          | 34.5                                                                                | 1,200 | 38.5                                                                                      | 1,400 | 41.0                                                                                            | 1,500 |                                                                                       |       |
| 170                                          | 31.0                                                                                | 1,000 | 34.5                                                                                      | 1,100 | 36.5                                                                                            | 1,200 |                                                                                       |       |
| Min.Bm.<br>Ang./Cap.                         | 29.0                                                                                |       | 30.5                                                                                      |       | 32.0                                                                                            |       | 34.5                                                                                  |       |
| Radius (ft)                                  | 172.5                                                                               |       | 175.0                                                                                     |       | 175.0                                                                                           |       | 172.6                                                                                 |       |
| Maximum Boom Length<br>At 0° Boom Angle (ft) |                                                                                     | 112   |                                                                                           |       |                                                                                                 |       |                                                                                       |       |

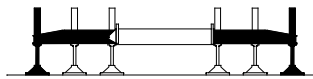
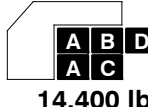
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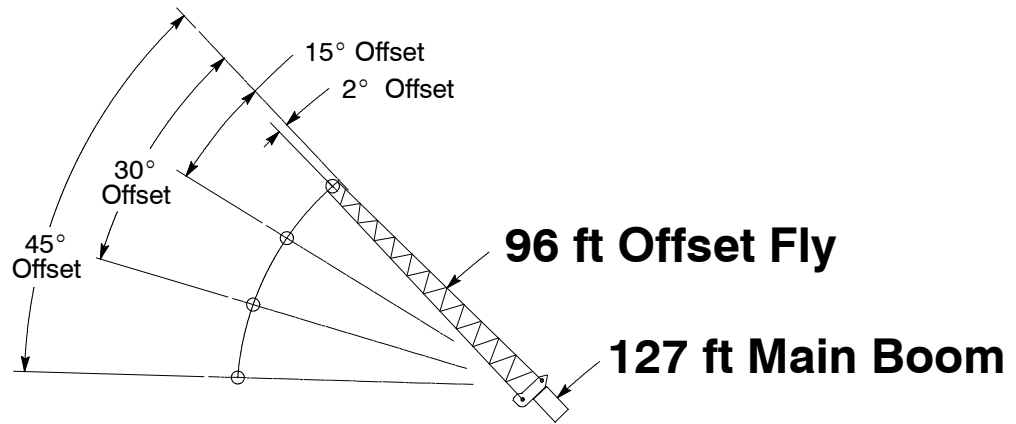
| Rated Lifting Capacities<br>In Pounds |            |        | <br>Full |       | <br>14,400 lb |       |  |       |
|---------------------------------------|------------|--------|-------------------------------------------------------------------------------------------|-------|--------------------------------------------------------------------------------------------------|-------|-------------------------------------------------------------------------------------|-------|
| Load<br>Radius<br>(ft)                | 2° Offset  |        | 15° Offset                                                                                |       | 30° Offset                                                                                       |       | 45° Offset                                                                          |       |
|                                       | $\angle$ ° | 360°   | $\angle$ °                                                                                | 360°  | $\angle$ °                                                                                       | 360°  | $\angle$ °                                                                          | 360°  |
| 35                                    | 79.5       | 10,300 |                                                                                           |       |                                                                                                  |       |                                                                                     |       |
| 40                                    | 77.5       | 9,900  |                                                                                           |       |                                                                                                  |       |                                                                                     |       |
| 45                                    | 76.0       | 9,400  |                                                                                           |       |                                                                                                  |       |                                                                                     |       |
| 50                                    | 74.5       | 9,000  | 79.5                                                                                      | 7,400 |                                                                                                  |       |                                                                                     |       |
| 55                                    | 72.5       | 8,500  | 77.5                                                                                      | 7,000 |                                                                                                  |       |                                                                                     |       |
| 60                                    | 71.0       | 8,100  | 76.0                                                                                      | 6,700 |                                                                                                  |       |                                                                                     |       |
| 65                                    | 69.0       | 7,700  | 74.0                                                                                      | 6,400 | 79.5                                                                                             | 5,400 |                                                                                     |       |
| 70                                    | 67.0       | 7,300  | 72.0                                                                                      | 6,200 | 77.5                                                                                             | 5,200 |                                                                                     |       |
| 75                                    | 65.5       | 7,000  | 70.0                                                                                      | 5,900 | 75.5                                                                                             | 5,100 |                                                                                     |       |
| 80                                    | 63.5       | 6,700  | 68.5                                                                                      | 5,700 | 73.5                                                                                             | 4,900 | 78.0                                                                                | 4,400 |
| 85                                    | 61.5       | 6,400  | 66.5                                                                                      | 5,500 | 71.5                                                                                             | 4,800 | 76.0                                                                                | 4,300 |
| 90                                    | 59.5       | 6,100  | 64.5                                                                                      | 5,300 | 69.5                                                                                             | 4,700 | 73.5                                                                                | 4,300 |
| 95                                    | 57.5       | 5,800  | 62.0                                                                                      | 5,100 | 67.0                                                                                             | 4,600 | 71.5                                                                                | 4,200 |
| 100                                   | 55.0       | 5,600  | 60.0                                                                                      | 5,000 | 65.0                                                                                             | 4,500 | 69.0                                                                                | 4,200 |
| 105                                   | 53.0       | 5,400  | 57.5                                                                                      | 4,800 | 62.5                                                                                             | 4,400 | 66.5                                                                                | 4,100 |
| 110                                   | 50.5       | 5,200  | 55.5                                                                                      | 4,700 | 60.0                                                                                             | 4,300 | 63.5                                                                                | 4,100 |
| 115                                   | 48.0       | 4,700  | 53.0                                                                                      | 4,600 | 57.5                                                                                             | 4,200 | 61.0                                                                                | 4,100 |
| 120                                   | 45.0       | 4,200  | 50.0                                                                                      | 4,500 | 54.5                                                                                             | 4,200 | 57.5                                                                                | 4,100 |
| 125                                   | 42.0       | 3,800  | 47.5                                                                                      | 4,200 | 51.5                                                                                             | 4,100 | 54.5                                                                                | 4,100 |
| 130                                   | 39.0       | 3,400  | 44.0                                                                                      | 3,700 | 48.5                                                                                             | 4,000 | 50.5                                                                                | 4,100 |
| 135                                   | 36.0       | 3,000  | 40.5                                                                                      | 3,300 | 44.5                                                                                             | 3,500 | 45.5                                                                                | 3,600 |
| 140                                   | 32.0       | 2,600  | 37.0                                                                                      | 2,900 | 40.0                                                                                             | 3,100 |                                                                                     |       |
| 145                                   | 28.0       | 2,300  | 32.5                                                                                      | 2,500 | 34.5                                                                                             | 2,600 |                                                                                     |       |
| 150                                   | 22.5       | 2,000  | 26.5                                                                                      | 2,200 |                                                                                                  |       |                                                                                     |       |
| 155                                   | 13.5       | 1,800  |                                                                                           |       |                                                                                                  |       |                                                                                     |       |
| Min.Bm.<br>Ang./Cap.                  | 0.0        | 1,100  | 0.0                                                                                       | 1,100 | 0.0                                                                                              | 1,200 | 0.0                                                                                 | 1,400 |
| Radius (ft)                           | 155.7      |        | 154.9                                                                                     |       | 151.5                                                                                            |       | 145.5                                                                               |       |

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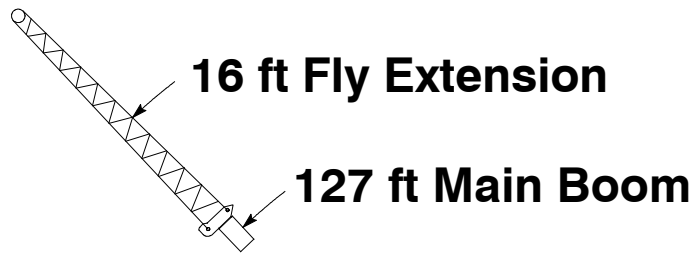
| Rated Lifting Capacities<br>In Pounds        |                                                                                     |       | <br>Full |       | <br>14,400 lb |       |    |       |
|----------------------------------------------|-------------------------------------------------------------------------------------|-------|-------------------------------------------------------------------------------------------|-------|--------------------------------------------------------------------------------------------------|-------|---------------------------------------------------------------------------------------|-------|
| Load<br>Radius<br>(ft)                       | 2° Offset                                                                           |       | 15° Offset                                                                                |       | 30° Offset                                                                                       |       | 45° Offset                                                                            |       |
|                                              |  ° | 360°  |  °       | 360°  |  °              | 360°  |  ° | 360°  |
| 50                                           | 79.0                                                                                | 5,800 |                                                                                           |       |                                                                                                  |       |                                                                                       |       |
| 55                                           | 78.0                                                                                | 5,800 |                                                                                           |       |                                                                                                  |       |                                                                                       |       |
| 60                                           | 77.0                                                                                | 5,800 |                                                                                           |       |                                                                                                  |       |                                                                                       |       |
| 65                                           | 76.0                                                                                | 5,800 | 79.5                                                                                      | 5,600 |                                                                                                  |       |                                                                                       |       |
| 70                                           | 75.0                                                                                | 5,800 | 78.0                                                                                      | 5,300 |                                                                                                  |       |                                                                                       |       |
| 75                                           | 73.5                                                                                | 5,800 | 76.5                                                                                      | 5,000 |                                                                                                  |       |                                                                                       |       |
| 80                                           | 72.0                                                                                | 5,500 | 75.5                                                                                      | 4,700 | 79.0                                                                                             | 3,900 |                                                                                       |       |
| 85                                           | 71.0                                                                                | 5,200 | 74.0                                                                                      | 4,400 | 78.0                                                                                             | 3,700 |                                                                                       |       |
| 90                                           | 69.5                                                                                | 4,900 | 72.5                                                                                      | 4,200 | 76.5                                                                                             | 3,500 | 80.0                                                                                  | 3,100 |
| 95                                           | 68.0                                                                                | 4,600 | 71.0                                                                                      | 4,000 | 75.0                                                                                             | 3,400 | 78.5                                                                                  | 2,900 |
| 100                                          | 66.5                                                                                | 4,400 | 69.5                                                                                      | 3,800 | 73.5                                                                                             | 3,200 | 76.5                                                                                  | 2,800 |
| 105                                          | 65.0                                                                                | 4,200 | 68.0                                                                                      | 3,600 | 72.0                                                                                             | 3,100 | 75.0                                                                                  | 2,700 |
| 110                                          | 63.5                                                                                | 4,000 | 66.5                                                                                      | 3,500 | 70.5                                                                                             | 2,900 | 73.5                                                                                  | 2,600 |
| 115                                          | 62.0                                                                                | 3,800 | 65.0                                                                                      | 3,300 | 68.5                                                                                             | 2,800 | 72.0                                                                                  | 2,500 |
| 120                                          | 60.0                                                                                | 3,600 | 63.0                                                                                      | 3,200 | 67.0                                                                                             | 2,700 | 70.0                                                                                  | 2,500 |
| 125                                          | 58.5                                                                                | 3,400 | 61.5                                                                                      | 3,000 | 65.5                                                                                             | 2,600 | 68.5                                                                                  | 2,400 |
| 130                                          | 56.5                                                                                | 3,200 | 60.0                                                                                      | 2,900 | 63.5                                                                                             | 2,500 | 66.5                                                                                  | 2,300 |
| 135                                          | 54.5                                                                                | 2,800 | 58.0                                                                                      | 2,800 | 62.0                                                                                             | 2,500 | 64.5                                                                                  | 2,300 |
| 140                                          | 52.5                                                                                | 2,400 | 56.5                                                                                      | 2,700 | 60.0                                                                                             | 2,400 | 62.5                                                                                  | 2,200 |
| 145                                          | 50.5                                                                                | 2,100 | 54.5                                                                                      | 2,400 | 58.0                                                                                             | 2,300 | 60.5                                                                                  | 2,200 |
| 150                                          | 48.5                                                                                | 1,800 | 52.0                                                                                      | 2,100 | 56.0                                                                                             | 2,300 | 58.5                                                                                  | 2,100 |
| 155                                          | 46.5                                                                                | 1,500 | 50.0                                                                                      | 1,800 | 54.0                                                                                             | 2,100 | 56.0                                                                                  | 2,100 |
| 160                                          | 44.5                                                                                | 1,300 | 47.5                                                                                      | 1,500 | 51.5                                                                                             | 1,800 | 53.5                                                                                  | 1,900 |
| 165                                          | 42.0                                                                                | 1,000 | 45.5                                                                                      | 1,200 | 49.0                                                                                             | 1,500 | 50.5                                                                                  | 1,600 |
| 170                                          |                                                                                     |       | 43.0                                                                                      | 1,000 | 46.0                                                                                             | 1,200 | 47.5                                                                                  | 1,300 |
| Min.Bm.<br>Ang./Cap.                         | 41.0                                                                                |       | 42.0                                                                                      |       | 43.5                                                                                             |       | 43.0                                                                                  |       |
| Radius (ft)                                  | 167.5                                                                               |       | 172.5                                                                                     |       | 175.0                                                                                            |       | 176.3                                                                                 |       |
| Maximum Boom Length<br>At 0° Boom Angle (ft) |                                                                                     | 101   |                                                                                           |       |                                                                                                  |       |                                                                                       |       |

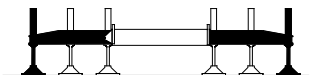
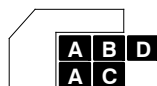
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| Rated Lifting Capacities<br>In Pounds        |                                                                                     |       |    |       | <br>14,400 lb |       |    |       |
|----------------------------------------------|-------------------------------------------------------------------------------------|-------|-------------------------------------------------------------------------------------|-------|--------------------------------------------------------------------------------------------------|-------|---------------------------------------------------------------------------------------|-------|
| Load<br>Radius<br>(ft)                       | 2° Offset                                                                           |       | 15° Offset                                                                          |       | 30° Offset                                                                                       |       | 45° Offset                                                                            |       |
|                                              |  ° | 360°  |  ° | 360°  |  °              | 360°  |  ° | 360°  |
| 55                                           | 79.5                                                                                | 4,500 |                                                                                     |       |                                                                                                  |       |                                                                                       |       |
| 60                                           | 78.5                                                                                | 4,500 |                                                                                     |       |                                                                                                  |       |                                                                                       |       |
| 65                                           | 77.5                                                                                | 4,500 |                                                                                     |       |                                                                                                  |       |                                                                                       |       |
| 70                                           | 76.5                                                                                | 4,500 | 79.5                                                                                | 4,200 |                                                                                                  |       |                                                                                       |       |
| 75                                           | 75.5                                                                                | 4,500 | 78.5                                                                                | 3,900 |                                                                                                  |       |                                                                                       |       |
| 80                                           | 74.0                                                                                | 4,100 | 77.0                                                                                | 3,700 |                                                                                                  |       |                                                                                       |       |
| 85                                           | 73.0                                                                                | 3,900 | 75.5                                                                                | 3,400 | 79.5                                                                                             | 3,000 |                                                                                       |       |
| 90                                           | 71.5                                                                                | 3,600 | 74.5                                                                                | 3,200 | 78.0                                                                                             | 2,800 |                                                                                       |       |
| 95                                           | 70.0                                                                                | 3,400 | 73.0                                                                                | 3,000 | 77.0                                                                                             | 2,600 | 80.0                                                                                  | 2,300 |
| 100                                          | 69.0                                                                                | 3,200 | 71.5                                                                                | 2,800 | 75.5                                                                                             | 2,400 | 78.5                                                                                  | 2,200 |
| 105                                          | 67.5                                                                                | 3,000 | 70.5                                                                                | 2,600 | 74.0                                                                                             | 2,300 | 77.5                                                                                  | 2,100 |
| 110                                          | 66.0                                                                                | 2,800 | 69.0                                                                                | 2,500 | 72.5                                                                                             | 2,200 | 76.0                                                                                  | 1,900 |
| 115                                          | 64.5                                                                                | 2,600 | 67.5                                                                                | 2,300 | 71.5                                                                                             | 2,000 | 74.5                                                                                  | 1,800 |
| 120                                          | 63.0                                                                                | 2,500 | 66.0                                                                                | 2,200 | 70.0                                                                                             | 1,900 | 73.0                                                                                  | 1,700 |
| 125                                          | 62.0                                                                                | 2,300 | 64.5                                                                                | 2,100 | 68.5                                                                                             | 1,800 | 71.5                                                                                  | 1,600 |
| 130                                          | 60.5                                                                                | 2,200 | 63.5                                                                                | 1,900 | 67.0                                                                                             | 1,700 | 70.0                                                                                  | 1,500 |
| 135                                          | 59.0                                                                                | 2,100 | 61.5                                                                                | 1,800 | 65.5                                                                                             | 1,600 | 68.0                                                                                  | 1,500 |
| 140                                          | 57.0                                                                                | 2,000 | 60.0                                                                                | 1,700 | 63.5                                                                                             | 1,500 | 66.5                                                                                  | 1,400 |
| 145                                          | 55.5                                                                                | 1,800 | 58.5                                                                                | 1,600 | 62.0                                                                                             | 1,400 | 64.5                                                                                  | 1,300 |
| 150                                          | 54.0                                                                                | 1,700 | 57.0                                                                                | 1,500 | 60.5                                                                                             | 1,300 | 63.0                                                                                  | 1,200 |
| 155                                          | 52.0                                                                                | 1,500 | 55.5                                                                                | 1,500 | 58.5                                                                                             | 1,300 | 61.0                                                                                  | 1,200 |
| 160                                          | 50.5                                                                                | 1,200 | 53.5                                                                                | 1,400 | 57.0                                                                                             | 1,200 | 59.0                                                                                  | 1,100 |
| 165                                          |                                                                                     |       | 51.5                                                                                | 1,200 | 55.0                                                                                             | 1,200 | 57.0                                                                                  | 1,100 |
| 170                                          |                                                                                     |       | 49.5                                                                                | 1,000 | 53.0                                                                                             | 1,100 | 55.0                                                                                  | 1,100 |
| 175                                          |                                                                                     |       |                                                                                     |       | 51.0                                                                                             | 1,000 | 52.5                                                                                  | 1,000 |
| Min.Bm.<br>Ang./Cap.                         | 48.5                                                                                |       | 49.0                                                                                |       | 50.0                                                                                             |       | 51.5                                                                                  |       |
| Radius (ft)                                  | 165.0                                                                               |       | 171.7                                                                               |       | 176.7                                                                                            |       | 177.5                                                                                 |       |
| Maximum Boom Length<br>At 0° Boom Angle (ft) |                                                                                     | 90    |                                                                                     |       |                                                                                                  |       |                                                                                       |       |

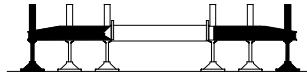
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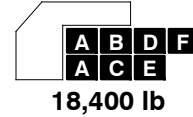
| <div> <div>Rated Lifting Capacities<br/>In Pounds</div> <div>  <div>Full</div> </div> <div>  <div>14,400 lb</div> </div> <div>  </div> </div> |            |        |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|--------|
| Load<br>Radius<br>(ft)                                                                                                                                                                                                                                                                                                                                                                               | $\angle$ ° | 360°   |
| 30                                                                                                                                                                                                                                                                                                                                                                                                   | 78.5       | 15,600 |
| 35                                                                                                                                                                                                                                                                                                                                                                                                   | 77.0       | 15,600 |
| 40                                                                                                                                                                                                                                                                                                                                                                                                   | 75.0       | 15,600 |
| 45                                                                                                                                                                                                                                                                                                                                                                                                   | 73.5       | 15,600 |
| 50                                                                                                                                                                                                                                                                                                                                                                                                   | 71.5       | 15,600 |
| 55                                                                                                                                                                                                                                                                                                                                                                                                   | 70.0       | 15,600 |
| 60                                                                                                                                                                                                                                                                                                                                                                                                   | 68.0       | 15,600 |
| 65                                                                                                                                                                                                                                                                                                                                                                                                   | 65.0       | 13,500 |
| 70                                                                                                                                                                                                                                                                                                                                                                                                   | 62.5       | 11,900 |
| 75                                                                                                                                                                                                                                                                                                                                                                                                   | 60.0       | 10,400 |
| 80                                                                                                                                                                                                                                                                                                                                                                                                   | 57.5       | 9,100  |
| 85                                                                                                                                                                                                                                                                                                                                                                                                   | 54.5       | 8,100  |
| 90                                                                                                                                                                                                                                                                                                                                                                                                   | 51.5       | 7,100  |
| 95                                                                                                                                                                                                                                                                                                                                                                                                   | 49.0       | 6,300  |
| 100                                                                                                                                                                                                                                                                                                                                                                                                  | 45.5       | 5,500  |
| 105                                                                                                                                                                                                                                                                                                                                                                                                  | 42.5       | 4,900  |
| 110                                                                                                                                                                                                                                                                                                                                                                                                  | 39.0       | 4,300  |
| 115                                                                                                                                                                                                                                                                                                                                                                                                  | 35.5       | 3,800  |
| 120                                                                                                                                                                                                                                                                                                                                                                                                  | 31.0       | 3,300  |
| 125                                                                                                                                                                                                                                                                                                                                                                                                  | 26.0       | 2,800  |
| 130                                                                                                                                                                                                                                                                                                                                                                                                  | 20.0       | 2,400  |
| 135                                                                                                                                                                                                                                                                                                                                                                                                  | 10.5       | 2,100  |
| Min.Bm.<br>Ang./Cap.                                                                                                                                                                                                                                                                                                                                                                                 | 0.0        | 1,400  |
| Radius (ft)                                                                                                                                                                                                                                                                                                                                                                                          | 136.1      |        |

SN: P9L4-7599

**Rated Lifting Capacities  
In Pounds**



**Full**



**18,400 lb**

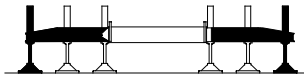


| Load<br>Radius<br>(ft) | 41.0 ft    |         |              | 50.0 ft    |        |              | 60.0 ft    |        |              |
|------------------------|------------|---------|--------------|------------|--------|--------------|------------|--------|--------------|
|                        | $\angle$ ° | 360°    | Over<br>Rear | $\angle$ ° | 360°   | Over<br>Rear | $\angle$ ° | 360°   | Over<br>Rear |
| 9                      | 71.5       | 150,000 | 150,000      |            |        |              |            |        |              |
| 10                     | 70.0       | 140,500 | 140,500      | 74.0       | 89,000 | 89,000       | 77.0       | 62,900 | 62,900       |
| 12                     | 67.0       | 120,500 | 120,500      | 71.5       | 87,100 | 87,100       | 75.0       | 58,500 | 58,500       |
| 15                     | 62.0       | 94,400  | 94,400       | 68.0       | 80,000 | 80,000       | 72.0       | 53,000 | 53,000       |
| 20                     | 53.0       | 68,000  | 68,000       | 61.5       | 69,900 | 69,900       | 67.0       | 45,700 | 45,700       |
| 25                     | 43.0       | 52,000  | 52,000       | 54.0       | 54,000 | 54,000       | 61.5       | 40,200 | 40,200       |
| 30                     | 30.0       | 41,300  | 41,300       | 46.0       | 43,300 | 43,300       | 55.5       | 35,900 | 35,900       |
| 35                     |            |         |              | 36.5       | 35,600 | 35,600       | 49.0       | 32,400 | 32,400       |
| 40                     |            |         |              | 24.0       | 29,800 | 29,800       | 42.0       | 29,500 | 29,500       |
| 45                     |            |         |              |            |        |              | 33.5       | 26,300 | 26,300       |
| 50                     |            |         |              |            |        |              | 22.0       | 22,100 | 22,100       |
| Min.Bm.<br>Ang./Cap.   | 0.0        | 25,500  | 25,500       | 0.0        | 16,600 | 16,600       | 0.0        | 11,500 | 11,500       |
| Radius (ft)            | 34.0       |         |              | 43.0       |        |              | 53.0       |        |              |

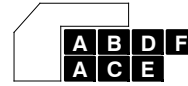
| Load<br>Radius<br>(ft) | 70.0 ft    |        |              | 80.0 ft    |        |              | 90.0 ft    |        |              |
|------------------------|------------|--------|--------------|------------|--------|--------------|------------|--------|--------------|
|                        | $\angle$ ° | 360°   | Over<br>Rear | $\angle$ ° | 360°   | Over<br>Rear | $\angle$ ° | 360°   | Over<br>Rear |
| 10                     | 79.0       | 49,800 | 49,800       |            |        |              |            |        |              |
| 12                     | 77.5       | 46,500 | 46,500       | 79.5       | 42,400 | 42,400       |            |        |              |
| 15                     | 75.0       | 42,200 | 42,200       | 77.5       | 42,400 | 42,400       | 79.0       | 36,700 | 36,700       |
| 20                     | 70.5       | 36,400 | 36,400       | 73.5       | 37,900 | 37,900       | 76.0       | 36,700 | 36,700       |
| 25                     | 66.0       | 31,900 | 31,900       | 70.0       | 33,800 | 33,800       | 73.0       | 34,500 | 34,500       |
| 30                     | 61.5       | 28,400 | 28,400       | 66.0       | 30,300 | 30,300       | 69.5       | 30,700 | 30,700       |
| 35                     | 56.5       | 25,600 | 25,600       | 62.0       | 27,500 | 27,500       | 66.0       | 27,700 | 27,700       |
| 40                     | 51.5       | 23,200 | 23,200       | 57.5       | 25,200 | 25,200       | 62.5       | 25,200 | 25,200       |
| 45                     | 45.5       | 21,300 | 21,300       | 53.0       | 23,200 | 23,200       | 58.5       | 23,100 | 23,100       |
| 50                     | 39.0       | 19,600 | 19,600       | 48.5       | 21,500 | 21,500       | 54.5       | 21,200 | 21,200       |
| 55                     | 31.5       | 18,200 | 18,200       | 43.0       | 20,000 | 20,000       | 50.5       | 19,600 | 19,600       |
| 60                     | 20.5       | 17,000 | 17,000       | 37.0       | 17,400 | 17,400       | 46.0       | 17,600 | 17,600       |
| 65                     |            |        |              | 29.5       | 15,200 | 15,200       | 40.5       | 15,400 | 15,400       |
| 70                     |            |        |              | 19.5       | 13,300 | 13,300       | 35.0       | 13,600 | 13,600       |
| 75                     |            |        |              |            |        |              | 28.0       | 12,100 | 12,100       |
| 80                     |            |        |              |            |        |              | 18.5       | 10,700 | 10,700       |
| Min.Bm.<br>Ang./Cap.   | 0.0        | 8,600  | 8,600        | 0.0        | 7,300  | 7,300        | 0.0        | 6,200  | 6,200        |
| Radius (ft)            | 63.0       |        |              | 73.0       |        |              | 83.0       |        |              |

**SN: P9L4-7599**

**Rated Lifting Capacities  
In Pounds**



**Full**



**18,400 lb**

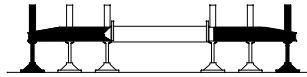


| Load Radius (ft)  | 100.0 ft       |        |           | 110.0 ft       |        |           |
|-------------------|----------------|--------|-----------|----------------|--------|-----------|
|                   | $\angle^\circ$ | 360°   | Over Rear | $\angle^\circ$ | 360°   | Over Rear |
| 20                | 77.5           | 30,700 | 30,700    | 79.0           | 29,100 | 29,100    |
| 25                | 75.0           | 30,700 | 30,700    | 77.0           | 29,100 | 29,100    |
| 30                | 72.0           | 28,400 | 28,400    | 74.5           | 29,100 | 29,100    |
| 35                | 69.0           | 25,700 | 25,700    | 72.0           | 26,600 | 26,600    |
| 40                | 66.0           | 23,400 | 23,400    | 69.0           | 24,400 | 24,400    |
| 45                | 62.5           | 21,400 | 21,400    | 66.0           | 22,500 | 22,500    |
| 50                | 59.5           | 19,700 | 19,700    | 63.5           | 20,900 | 20,900    |
| 55                | 56.0           | 18,200 | 18,200    | 60.0           | 19,400 | 19,400    |
| 60                | 52.0           | 16,900 | 16,900    | 57.0           | 17,400 | 17,400    |
| 65                | 48.0           | 15,500 | 15,500    | 53.5           | 15,200 | 15,200    |
| 70                | 43.5           | 13,600 | 13,600    | 50.0           | 13,400 | 13,400    |
| 75                | 39.0           | 12,200 | 12,200    | 46.0           | 11,900 | 12,000    |
| 80                | 33.5           | 10,800 | 10,800    | 41.5           | 10,600 | 10,600    |
| 85                | 27.0           | 9,600  | 9,700     | 37.0           | 9,400  | 9,500     |
| 90                | 17.5           | 8,600  | 8,700     | 32.0           | 8,400  | 8,500     |
| 95                |                |        |           | 25.5           | 7,500  | 7,600     |
| 100               |                |        |           | 17.0           | 6,700  | 6,800     |
| Min.Bm. Ang./Cap. | 0.0            | 5,200  | 5,200     | 0.0            | 4,200  | 4,200     |
| Radius (ft)       | 93.0           |        |           | 103.0          |        |           |

| Load Radius (ft)  | 120.0 ft       |        |           | 127.0 ft       |        |           |
|-------------------|----------------|--------|-----------|----------------|--------|-----------|
|                   | $\angle^\circ$ | 360°   | Over Rear | $\angle^\circ$ | 360°   | Over Rear |
| 25                | 78.5           | 25,500 | 25,500    | 79.0           | 22,600 | 22,600    |
| 30                | 76.5           | 25,500 | 25,500    | 77.0           | 22,600 | 22,600    |
| 35                | 74.0           | 25,500 | 25,500    | 75.5           | 22,600 | 22,600    |
| 40                | 72.0           | 25,000 | 25,000    | 73.5           | 22,600 | 22,600    |
| 45                | 69.5           | 23,200 | 23,200    | 71.0           | 22,600 | 22,600    |
| 50                | 67.0           | 21,600 | 21,600    | 69.0           | 21,000 | 21,000    |
| 55                | 64.0           | 19,800 | 19,800    | 66.5           | 19,400 | 19,400    |
| 60                | 61.0           | 17,200 | 17,200    | 63.5           | 17,000 | 17,000    |
| 65                | 58.0           | 15,000 | 15,000    | 60.5           | 14,900 | 14,900    |
| 70                | 54.5           | 13,200 | 13,200    | 57.5           | 13,100 | 13,100    |
| 75                | 51.5           | 11,700 | 11,800    | 54.5           | 11,600 | 11,700    |
| 80                | 48.0           | 10,400 | 10,500    | 51.5           | 10,300 | 10,400    |
| 85                | 44.0           | 9,200  | 9,300     | 48.0           | 9,100  | 9,200     |
| 90                | 40.0           | 8,200  | 8,300     | 44.5           | 8,100  | 8,200     |
| 95                | 36.0           | 7,300  | 7,400     | 41.0           | 7,200  | 7,300     |
| 100               | 31.0           | 6,500  | 6,600     | 37.0           | 6,400  | 6,500     |
| 105               | 25.0           | 5,800  | 5,900     | 32.5           | 5,700  | 5,800     |
| 110               | 16.5           | 5,100  | 5,300     | 27.0           | 5,000  | 5,200     |
| 115               |                |        |           | 20.0           | 4,500  | 4,600     |
| Min.Bm. Ang./Cap. | 0.0            | 3,300  | 3,300     | 0.0            | 2,700  | 2,700     |
| Radius (ft)       | 113.0          |        |           | 120.0          |        |           |

SN: P9L4-7599

**Rated Lifting Capacities  
In Pounds**



**Full**

**18,400 lb**



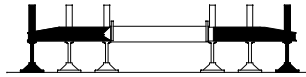
| Load Radius (ft)  | 41.0 ft    |         |           | 50.0 ft    |        |           | 60.0 ft    |        |           | 70.0 ft    |        |           |
|-------------------|------------|---------|-----------|------------|--------|-----------|------------|--------|-----------|------------|--------|-----------|
|                   | $\angle$ ° | 360°    | Over Rear | $\angle$ ° | 360°   | Over Rear | $\angle$ ° | 360°   | Over Rear | $\angle$ ° | 360°   | Over Rear |
| 9                 | 71.5       | 150,000 | 150,000   |            |        |           |            |        |           |            |        |           |
| 10                | 70.0       | 140,500 | 140,500   | 74.0       | 89,000 | 89,000    | 77.0       | 77,000 | 77,000    | 79.5       | 74,000 | 74,000    |
| 12                | 67.0       | 120,500 | 120,500   | 71.5       | 87,100 | 87,100    | 75.0       | 72,200 | 72,200    | 77.5       | 74,000 | 74,000    |
| 15                | 62.0       | 94,400  | 94,400    | 68.0       | 80,000 | 80,000    | 72.0       | 66,000 | 66,000    | 75.0       | 68,500 | 68,500    |
| 20                | 53.0       | 68,000  | 68,000    | 61.5       | 69,900 | 69,900    | 67.0       | 57,800 | 57,800    | 71.0       | 60,800 | 60,800    |
| 25                | 43.0       | 52,000  | 52,000    | 54.0       | 54,000 | 54,000    | 61.5       | 51,400 | 51,400    | 66.5       | 54,800 | 54,800    |
| 30                | 30.0       | 41,300  | 41,300    | 46.0       | 43,300 | 43,300    | 55.5       | 44,400 | 44,400    | 61.5       | 44,900 | 44,900    |
| 35                |            |         |           | 36.5       | 35,600 | 35,600    | 49.0       | 36,700 | 36,700    | 56.5       | 37,300 | 37,300    |
| 40                |            |         |           | 24.0       | 29,800 | 29,800    | 42.0       | 31,000 | 31,000    | 51.5       | 31,500 | 31,500    |
| 45                |            |         |           |            |        |           | 33.5       | 26,000 | 26,000    | 45.5       | 26,600 | 26,600    |
| 50                |            |         |           |            |        |           | 21.5       | 21,800 | 21,800    | 39.0       | 22,400 | 22,400    |
| 55                |            |         |           |            |        |           |            |        |           | 31.0       | 19,100 | 19,100    |
| 60                |            |         |           |            |        |           |            |        |           | 20.0       | 16,400 | 16,400    |
| Min.Bm. Ang./Cap. | 0.0        | 25,500  | 25,500    | 0.0        | 16,600 | 16,600    | 0.0        | 12,400 | 12,400    | 0.0        | 10,300 | 10,300    |
| Radius (ft)       | 34.0       |         |           | 43.0       |        |           | 53.0       |        |           | 63.0       |        |           |

| Load Radius (ft)  | 80.0 ft    |        |           | 90.0 ft    |        |           | 100.0 ft   |        |           | 113.1 ft   |        |           |
|-------------------|------------|--------|-----------|------------|--------|-----------|------------|--------|-----------|------------|--------|-----------|
|                   | $\angle$ ° | 360°   | Over Rear | $\angle$ ° | 360°   | Over Rear | $\angle$ ° | 360°   | Over Rear | $\angle$ ° | 360°   | Over Rear |
| 12                | 79.5       | 57,000 | 57,000    |            |        |           |            |        |           |            |        |           |
| 15                | 77.5       | 51,900 | 51,900    | 79.5       | 48,700 | 48,700    |            |        |           |            |        |           |
| 20                | 73.5       | 44,900 | 44,900    | 76.0       | 42,800 | 42,800    | 78.5       | 42,500 | 42,500    |            |        |           |
| 25                | 70.0       | 39,500 | 39,500    | 73.0       | 38,100 | 38,100    | 75.5       | 38,300 | 38,300    | 78.0       | 32,800 | 32,800    |
| 30                | 66.0       | 35,100 | 35,100    | 69.5       | 34,100 | 34,100    | 72.5       | 34,800 | 34,800    | 75.5       | 32,100 | 32,100    |
| 35                | 62.0       | 31,600 | 31,600    | 66.0       | 30,800 | 30,800    | 69.5       | 31,500 | 31,500    | 73.0       | 29,200 | 29,200    |
| 40                | 57.5       | 28,700 | 28,700    | 62.5       | 28,100 | 28,100    | 66.5       | 29,000 | 29,000    | 70.5       | 26,700 | 26,700    |
| 45                | 53.0       | 26,200 | 26,200    | 58.5       | 25,800 | 25,800    | 63.0       | 26,600 | 26,600    | 67.5       | 24,500 | 24,500    |
| 50                | 48.0       | 22,800 | 22,800    | 54.5       | 22,700 | 22,700    | 59.5       | 22,500 | 22,500    | 64.5       | 22,300 | 22,300    |
| 55                | 42.5       | 19,500 | 19,500    | 50.0       | 19,500 | 19,500    | 55.5       | 19,300 | 19,300    | 61.5       | 19,000 | 19,000    |
| 60                | 36.5       | 16,800 | 16,800    | 45.5       | 16,800 | 16,800    | 52.0       | 16,600 | 16,600    | 58.0       | 16,400 | 16,400    |
| 65                | 29.0       | 14,600 | 14,600    | 40.5       | 14,700 | 14,700    | 47.5       | 14,500 | 14,500    | 55.0       | 14,300 | 14,300    |
| 70                | 19.0       | 12,800 | 12,800    | 34.5       | 12,800 | 12,800    | 43.5       | 12,800 | 12,800    | 51.5       | 12,600 | 12,600    |
| 75                |            |        |           | 27.5       | 11,300 | 11,300    | 38.5       | 11,200 | 11,200    | 47.5       | 11,000 | 11,100    |
| 80                |            |        |           | 18.0       | 10,000 | 10,000    | 33.0       | 9,900  | 9,900     | 43.5       | 9,700  | 9,800     |
| 85                |            |        |           |            |        |           | 26.5       | 8,700  | 8,700     | 39.5       | 8,500  | 8,600     |
| 90                |            |        |           |            |        |           | 17.5       | 7,600  | 7,700     | 35.0       | 7,500  | 7,600     |
| 95                |            |        |           |            |        |           |            |        |           | 29.5       | 6,600  | 6,700     |
| 100               |            |        |           |            |        |           |            |        |           | 22.5       | 5,800  | 5,900     |
| 105               |            |        |           |            |        |           |            |        |           | 11.5       | 5,100  | 5,200     |
| Min.Bm. Ang./Cap. | 0.0        | 8,500  | 8,500     | 0.0        | 6,900  | 6,900     | 0.0        | 5,500  | 5,500     | 0.0        | 4,000  | 4,000     |
| Radius (ft)       | 73.0       |        |           | 83.0       |        |           | 93.0       |        |           | 106.1      |        |           |

**SN: P9L4-7599**



**Rated Lifting Capacities  
In Pounds**



**Full**

**18,400 lb**

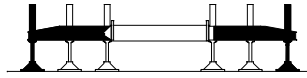


| Load Radius (ft)  | 41.0 ft |         |           | 50.0 ft |        |           | 60.0 ft |        |           | 70.0 ft |        |           |
|-------------------|---------|---------|-----------|---------|--------|-----------|---------|--------|-----------|---------|--------|-----------|
|                   | °       | 360°    | Over Rear | °       | 360°   | Over Rear | °       | 360°   | Over Rear | °       | 360°   | Over Rear |
| 9                 | 71.5    | 150,000 | 150,000   |         |        |           |         |        |           |         |        |           |
| 10                | 70.0    | 140,500 | 140,500   | 74.0    | 89,000 | 89,000    | 77.0    | 77,000 | 77,000    | 79.5    | 74,400 | 74,400    |
| 12                | 67.0    | 120,500 | 120,500   | 71.5    | 87,100 | 87,100    | 75.0    | 72,200 | 72,200    | 77.5    | 74,300 | 74,300    |
| 15                | 62.0    | 94,400  | 94,400    | 68.0    | 80,000 | 80,000    | 72.0    | 66,000 | 66,000    | 75.0    | 68,700 | 68,700    |
| 20                | 53.0    | 68,000  | 68,000    | 61.5    | 69,900 | 69,900    | 67.0    | 57,800 | 57,800    | 71.0    | 60,900 | 60,900    |
| 25                | 43.0    | 52,000  | 52,000    | 54.0    | 54,000 | 54,000    | 61.5    | 51,400 | 51,400    | 66.5    | 54,900 | 54,900    |
| 30                | 30.0    | 41,300  | 41,300    | 46.0    | 43,300 | 43,300    | 55.5    | 44,400 | 44,400    | 61.5    | 44,900 | 44,900    |
| 35                |         |         |           | 36.5    | 35,600 | 35,600    | 49.0    | 36,700 | 36,700    | 56.5    | 37,200 | 37,200    |
| 40                |         |         |           | 24.0    | 29,800 | 29,800    | 42.0    | 31,000 | 31,000    | 51.5    | 31,500 | 31,500    |
| 45                |         |         |           |         |        |           | 33.5    | 26,000 | 26,000    | 45.5    | 26,500 | 26,500    |
| 50                |         |         |           |         |        |           | 21.5    | 21,800 | 21,800    | 39.0    | 22,400 | 22,400    |
| 55                |         |         |           |         |        |           |         |        |           | 31.0    | 19,000 | 19,000    |
| 60                |         |         |           |         |        |           |         |        |           | 20.0    | 16,400 | 16,400    |
| Min.Bm. Ang./Cap. | 0.0     | 25,500  | 25,500    | 0.0     | 16,600 | 16,600    | 0.0     | 12,400 | 12,400    | 0.0     | 10,200 | 10,200    |
| Radius (ft)       | 34.0    |         |           | 43.0    |        |           | 53.0    |        |           | 63.0    |        |           |

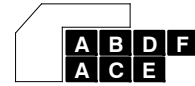
| Load Radius (ft)  | 80.0 ft |        |           | 90.0 ft |        |           | 98.7 ft |        |           |
|-------------------|---------|--------|-----------|---------|--------|-----------|---------|--------|-----------|
|                   | °       | 360°   | Over Rear | °       | 360°   | Over Rear | °       | 360°   | Over Rear |
| 12                | 79.5    | 62,800 | 62,800    |         |        |           |         |        |           |
| 15                | 77.5    | 62,800 | 62,800    | 79.5    | 61,400 | 61,400    |         |        |           |
| 20                | 74.0    | 62,800 | 62,800    | 76.5    | 57,100 | 57,100    | 78.0    | 47,900 | 47,900    |
| 25                | 70.0    | 55,300 | 55,300    | 73.0    | 49,900 | 49,900    | 75.5    | 42,500 | 42,500    |
| 30                | 66.0    | 44,700 | 44,700    | 70.0    | 44,100 | 44,100    | 72.5    | 38,100 | 38,100    |
| 35                | 62.0    | 37,100 | 37,100    | 66.0    | 37,000 | 37,000    | 69.0    | 34,300 | 34,300    |
| 40                | 57.5    | 31,300 | 31,300    | 62.5    | 31,200 | 31,200    | 66.0    | 31,100 | 31,100    |
| 45                | 53.0    | 26,300 | 26,300    | 58.5    | 26,100 | 26,100    | 62.5    | 26,000 | 26,000    |
| 50                | 48.0    | 22,200 | 22,200    | 54.5    | 22,100 | 22,100    | 59.0    | 21,900 | 21,900    |
| 55                | 42.5    | 18,900 | 18,900    | 50.0    | 18,800 | 18,800    | 55.0    | 18,700 | 18,700    |
| 60                | 36.5    | 16,300 | 16,300    | 45.5    | 16,200 | 16,200    | 51.0    | 16,100 | 16,100    |
| 65                | 29.0    | 14,100 | 14,100    | 40.0    | 14,000 | 14,000    | 47.0    | 13,900 | 13,900    |
| 70                | 19.0    | 12,300 | 12,300    | 34.5    | 12,300 | 12,300    | 42.5    | 12,200 | 12,200    |
| 75                |         |        |           | 27.5    | 10,700 | 10,700    | 37.5    | 10,700 | 10,700    |
| 80                |         |        |           | 18.0    | 9,400  | 9,400     | 31.5    | 9,300  | 9,400     |
| 85                |         |        |           |         |        |           | 24.5    | 8,100  | 8,200     |
| 90                |         |        |           |         |        |           | 14.0    | 7,100  | 7,200     |
| Min.Bm. Ang./Cap. | 0.0     | 8,200  | 8,200     | 0.0     | 6,500  | 6,500     | 0.0     | 5,200  | 5,200     |
| Radius (ft)       | 73.0    |        |           | 83.0    |        |           | 91.7    |        |           |

**SN: P9L4-7599**

**Fixed Boom Lengths  
Rated Lifting Capacities  
In Pounds  
See Operation Note 10.**



**Full**



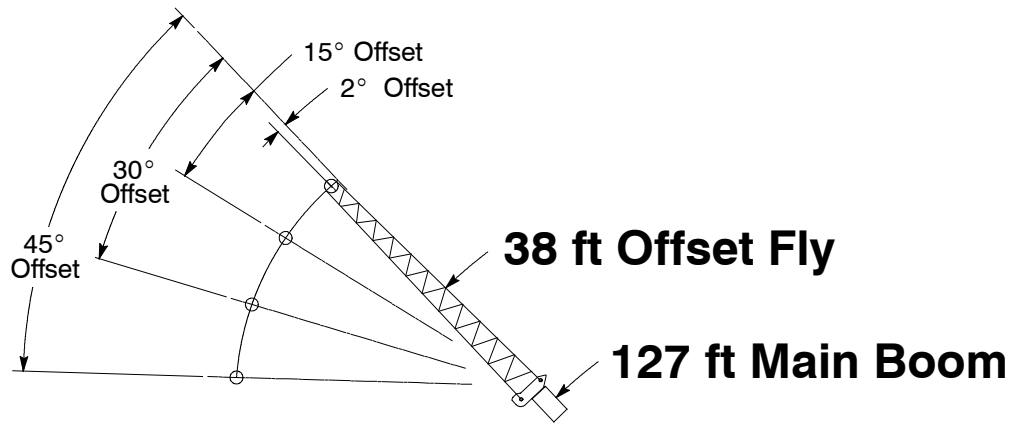
**18,400 lb**

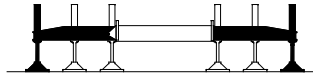
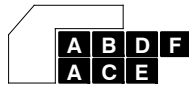


| Load Radius (ft)  | 41.0 ft    |         |           | 47.0 ft    |         |           |
|-------------------|------------|---------|-----------|------------|---------|-----------|
|                   | $\angle$ ° | 360°    | Over Rear | $\angle$ ° | 360°    | Over Rear |
| 9                 | 71.5       | 150,000 | 150,000   |            |         |           |
| 10                | 70.0       | 140,500 | 140,500   | 73.0       | 110,700 | 110,700   |
| 12                | 67.0       | 120,500 | 120,500   | 70.0       | 105,000 | 105,000   |
| 15                | 62.0       | 94,400  | 94,400    | 66.0       | 95,800  | 95,800    |
| 20                | 53.0       | 68,000  | 68,000    | 59.0       | 69,400  | 69,400    |
| 25                | 43.0       | 52,000  | 52,000    | 51.0       | 53,400  | 53,400    |
| 30                | 30.0       | 41,300  | 41,300    | 42.0       | 42,700  | 42,700    |
| 35                |            |         |           | 30.5       | 35,000  | 35,000    |
| Min.Bm. Ang./Cap. | 0.0        | 25,500  | 25,500    | 0.0        | 18,900  | 18,900    |
| Radius (ft)       | 34.0       |         |           | 40.0       |         |           |

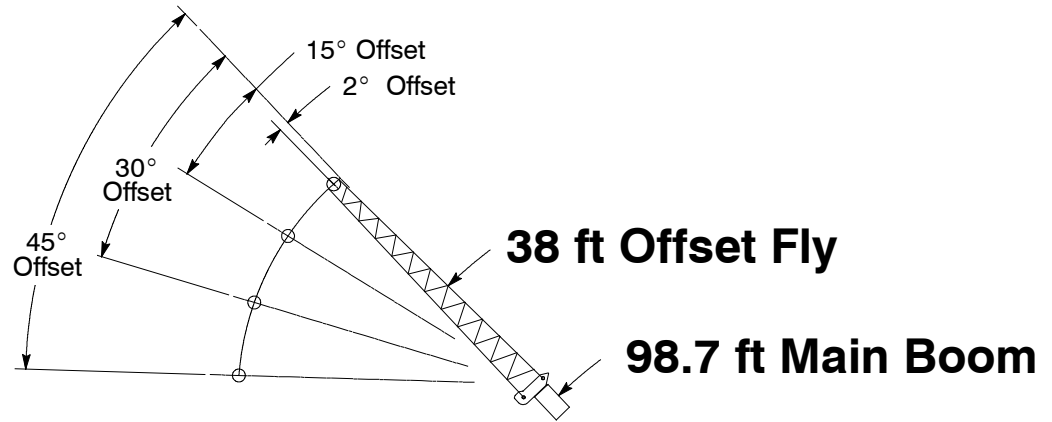
| Load Radius (ft)  | 61.3 ft    |         |           | 76.0 ft    |        |           |
|-------------------|------------|---------|-----------|------------|--------|-----------|
|                   | $\angle$ ° | 360°    | Over Rear | $\angle$ ° | 360°   | Over Rear |
| 10                | 77.5       | 106,900 | 106,900   |            |        |           |
| 12                | 75.5       | 106,900 | 106,900   | 79.0       | 81,000 | 81,000    |
| 15                | 72.5       | 96,800  | 96,800    | 77.0       | 77,400 | 77,400    |
| 20                | 67.5       | 70,600  | 70,600    | 73.0       | 70,400 | 70,400    |
| 25                | 62.0       | 54,700  | 54,700    | 68.5       | 54,600 | 54,600    |
| 30                | 56.5       | 44,000  | 44,000    | 64.5       | 44,000 | 44,000    |
| 35                | 50.0       | 36,400  | 36,400    | 60.0       | 36,400 | 36,400    |
| 40                | 43.5       | 30,600  | 30,600    | 55.0       | 30,600 | 30,600    |
| 45                | 35.5       | 25,700  | 25,700    | 50.0       | 25,600 | 25,600    |
| 50                | 25.0       | 21,500  | 21,500    | 44.5       | 21,500 | 21,500    |
| 55                |            |         |           | 38.5       | 18,200 | 18,200    |
| 60                |            |         |           | 31.5       | 15,600 | 15,600    |
| 65                |            |         |           | 22.0       | 13,400 | 13,400    |
| Min.Bm. Ang./Cap. | 0.0        | 13,700  | 13,700    | 0.0        | 9,500  | 9,500     |
| Radius (ft)       | 54.3       |         |           | 69.0       |        |           |

**SN: P9L4-7599**



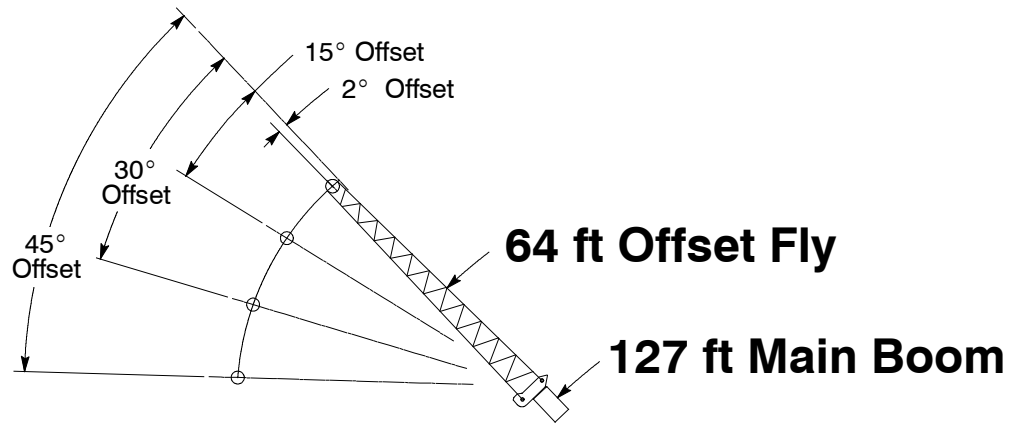
| Rated Lifting Capacities<br>In Pounds |                                                                                     |        | <br>Full |        | <br>18,400 lb |       |    |       |
|---------------------------------------|-------------------------------------------------------------------------------------|--------|-------------------------------------------------------------------------------------------|--------|--------------------------------------------------------------------------------------------------|-------|---------------------------------------------------------------------------------------|-------|
| Load<br>Radius<br>(ft)                | 2° Offset                                                                           |        | 15° Offset                                                                                |        | 30° Offset                                                                                       |       | 45° Offset                                                                            |       |
|                                       |  ° | 360°   |  °       | 360°   |  °              | 360°  |  ° | 360°  |
| 35                                    | 79.5                                                                                | 10,900 |                                                                                           |        |                                                                                                  |       |                                                                                       |       |
| 40                                    | 78.0                                                                                | 10,900 |                                                                                           |        |                                                                                                  |       |                                                                                       |       |
| 45                                    | 76.5                                                                                | 10,900 | 79.5                                                                                      | 10,400 |                                                                                                  |       |                                                                                       |       |
| 50                                    | 75.0                                                                                | 10,900 | 78.0                                                                                      | 10,300 |                                                                                                  |       |                                                                                       |       |
| 55                                    | 73.5                                                                                | 10,900 | 76.5                                                                                      | 10,100 | 79.5                                                                                             | 9,100 |                                                                                       |       |
| 60                                    | 72.0                                                                                | 10,900 | 75.0                                                                                      | 9,900  | 77.5                                                                                             | 8,900 |                                                                                       |       |
| 65                                    | 70.5                                                                                | 10,700 | 73.0                                                                                      | 9,700  | 76.0                                                                                             | 8,700 | 78.0                                                                                  | 8,100 |
| 70                                    | 69.0                                                                                | 10,500 | 71.5                                                                                      | 9,500  | 74.0                                                                                             | 8,600 | 76.5                                                                                  | 8,000 |
| 75                                    | 67.0                                                                                | 10,200 | 69.5                                                                                      | 9,300  | 72.5                                                                                             | 8,500 | 74.5                                                                                  | 7,900 |
| 80                                    | 65.0                                                                                | 9,600  | 67.5                                                                                      | 9,000  | 70.5                                                                                             | 8,300 | 72.5                                                                                  | 7,700 |
| 85                                    | 63.0                                                                                | 9,100  | 65.5                                                                                      | 8,500  | 68.5                                                                                             | 8,000 | 70.5                                                                                  | 7,700 |
| 90                                    | 61.0                                                                                | 8,600  | 63.5                                                                                      | 8,100  | 66.5                                                                                             | 7,700 | 68.5                                                                                  | 7,400 |
| 95                                    | 58.5                                                                                | 7,700  | 61.5                                                                                      | 7,800  | 64.0                                                                                             | 7,400 | 66.0                                                                                  | 7,200 |
| 100                                   | 56.0                                                                                | 6,900  | 59.0                                                                                      | 7,300  | 62.0                                                                                             | 7,100 | 64.0                                                                                  | 6,900 |
| 105                                   | 53.5                                                                                | 6,200  | 56.5                                                                                      | 6,500  | 59.5                                                                                             | 6,800 | 61.5                                                                                  | 6,700 |
| 110                                   | 51.0                                                                                | 5,500  | 54.0                                                                                      | 5,800  | 57.0                                                                                             | 6,100 | 58.5                                                                                  | 6,300 |
| 115                                   | 48.0                                                                                | 4,900  | 51.0                                                                                      | 5,200  | 54.0                                                                                             | 5,500 | 55.5                                                                                  | 5,600 |
| 120                                   | 45.0                                                                                | 4,400  | 48.5                                                                                      | 4,700  | 51.0                                                                                             | 4,900 | 52.5                                                                                  | 5,000 |
| 125                                   | 42.0                                                                                | 3,900  | 45.0                                                                                      | 4,200  | 47.5                                                                                             | 4,400 | 49.0                                                                                  | 4,400 |
| 130                                   | 39.0                                                                                | 3,500  | 42.0                                                                                      | 3,700  | 44.0                                                                                             | 3,900 | 45.0                                                                                  | 3,900 |
| 135                                   | 35.5                                                                                | 3,100  | 38.5                                                                                      | 3,300  | 40.5                                                                                             | 3,400 |                                                                                       |       |
| 140                                   | 31.5                                                                                | 2,700  | 34.5                                                                                      | 2,900  | 36.0                                                                                             | 3,000 |                                                                                       |       |
| 145                                   | 27.5                                                                                | 2,400  | 30.0                                                                                      | 2,500  | 31.5                                                                                             | 2,600 |                                                                                       |       |
| 150                                   | 22.0                                                                                | 2,100  | 24.5                                                                                      | 2,200  |                                                                                                  |       |                                                                                       |       |
| 155                                   | 14.5                                                                                | 1,800  | 17.0                                                                                      | 1,800  |                                                                                                  |       |                                                                                       |       |
| Min.Bm.<br>Ang./Cap.                  | 0.0                                                                                 | 500    | 0.0                                                                                       | 500    | 0.0                                                                                              | 600   | 0.0                                                                                   | 700   |
| Radius (ft)                           | 158.0                                                                               |        | 157.5                                                                                     |        | 155.0                                                                                            |       | 150.6                                                                                 |       |

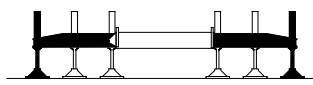
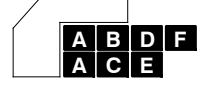
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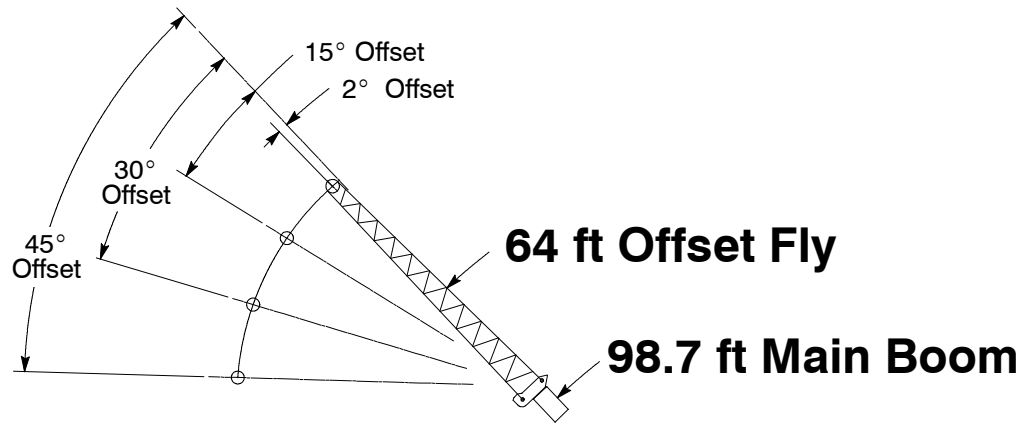
| Rated Lifting Capacities<br>In Pounds |            |        | <br>Full |        | <br>18,400 lb |        |  |       |
|---------------------------------------|------------|--------|-------------------------------------------------------------------------------------------|--------|--------------------------------------------------------------------------------------------------|--------|-------------------------------------------------------------------------------------|-------|
| Load<br>Radius<br>(ft)                | 2° Offset  |        | 15° Offset                                                                                |        | 30° Offset                                                                                       |        | 45° Offset                                                                          |       |
|                                       | $\angle$ ° | 360°   | $\angle$ °                                                                                | 360°   | $\angle$ °                                                                                       | 360°   | $\angle$ °                                                                          | 360°  |
| 30                                    | 78.0       | 16,200 |                                                                                           |        |                                                                                                  |        |                                                                                     |       |
| 35                                    | 76.0       | 15,600 |                                                                                           |        |                                                                                                  |        |                                                                                     |       |
| 40                                    | 74.0       | 14,900 | 77.0                                                                                      | 12,500 |                                                                                                  |        |                                                                                     |       |
| 45                                    | 72.0       | 14,300 | 75.0                                                                                      | 12,000 | 78.5                                                                                             | 10,100 |                                                                                     |       |
| 50                                    | 69.5       | 13,600 | 73.0                                                                                      | 11,500 | 76.5                                                                                             | 9,800  |                                                                                     |       |
| 55                                    | 67.5       | 13,000 | 70.5                                                                                      | 11,100 | 74.0                                                                                             | 9,500  | 77.0                                                                                | 8,600 |
| 60                                    | 65.0       | 12,500 | 68.5                                                                                      | 10,700 | 72.0                                                                                             | 9,300  | 74.5                                                                                | 8,400 |
| 65                                    | 63.0       | 11,900 | 66.0                                                                                      | 10,300 | 69.5                                                                                             | 9,000  | 72.0                                                                                | 8,300 |
| 70                                    | 60.5       | 11,400 | 63.5                                                                                      | 10,000 | 67.0                                                                                             | 8,800  | 69.5                                                                                | 8,100 |
| 75                                    | 58.0       | 11,000 | 61.0                                                                                      | 9,700  | 64.5                                                                                             | 8,600  | 67.0                                                                                | 8,000 |
| 80                                    | 55.5       | 10,500 | 58.5                                                                                      | 9,400  | 62.0                                                                                             | 8,500  | 64.0                                                                                | 7,900 |
| 85                                    | 52.5       | 9,400  | 56.0                                                                                      | 9,100  | 59.0                                                                                             | 8,300  | 61.0                                                                                | 7,800 |
| 90                                    | 49.5       | 8,400  | 53.0                                                                                      | 8,800  | 56.0                                                                                             | 8,200  | 58.0                                                                                | 7,700 |
| 95                                    | 46.0       | 7,500  | 50.0                                                                                      | 7,800  | 53.0                                                                                             | 8,000  | 55.0                                                                                | 7,600 |
| 100                                   | 43.0       | 6,700  | 46.5                                                                                      | 7,000  | 49.5                                                                                             | 7,300  | 51.0                                                                                | 7,500 |
| 105                                   | 39.0       | 5,900  | 42.5                                                                                      | 6,200  | 45.5                                                                                             | 6,500  | 47.0                                                                                | 6,600 |
| 110                                   | 35.0       | 5,300  | 38.5                                                                                      | 5,500  | 41.0                                                                                             | 5,700  |                                                                                     |       |
| 115                                   | 30.5       | 4,700  | 34.0                                                                                      | 4,900  | 36.0                                                                                             | 5,100  |                                                                                     |       |
| 120                                   | 25.5       | 4,200  | 28.5                                                                                      | 4,400  | 30.0                                                                                             | 4,400  |                                                                                     |       |
| 125                                   | 18.5       | 3,700  | 21.5                                                                                      | 3,800  |                                                                                                  |        |                                                                                     |       |
| Min.Bm.<br>Ang./Cap.                  | 0.0        | 1,900  | 0.0                                                                                       | 1,900  | 0.0                                                                                              | 2,100  | 0.0                                                                                 | 2,300 |
| Radius (ft)                           | 129.7      |        | 129.3                                                                                     |        | 127.0                                                                                            |        | 122.9                                                                               |       |

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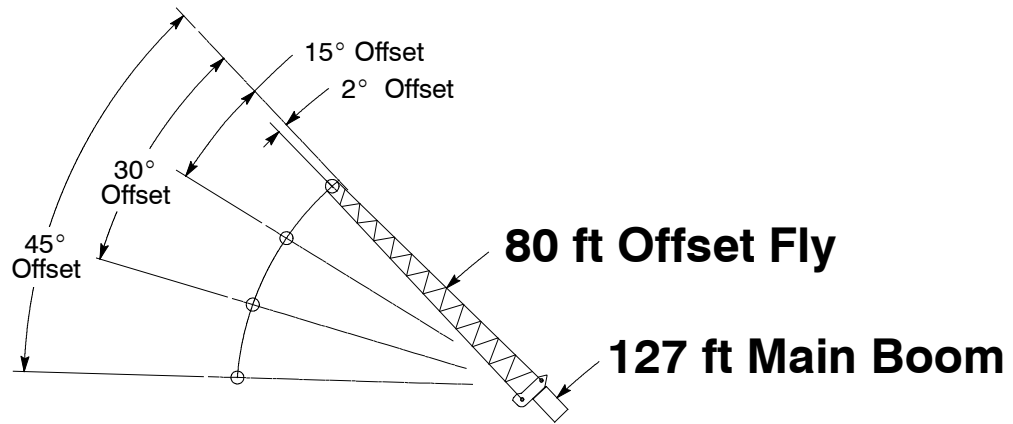
| Rated Lifting Capacities<br>In Pounds        |                                                                                     |       | <br>Full |       | <br>18,400 lb |       |    |       |
|----------------------------------------------|-------------------------------------------------------------------------------------|-------|-------------------------------------------------------------------------------------------|-------|-------------------------------------------------------------------------------------------------|-------|---------------------------------------------------------------------------------------|-------|
| Load<br>Radius<br>(ft)                       | 2° Offset                                                                           |       | 15° Offset                                                                                |       | 30° Offset                                                                                      |       | 45° Offset                                                                            |       |
|                                              |  ° | 360°  |  °       | 360°  |  °             | 360°  |  ° | 360°  |
| 45                                           | 79.5                                                                                | 7,300 |                                                                                           |       |                                                                                                 |       |                                                                                       |       |
| 50                                           | 78.5                                                                                | 7,300 |                                                                                           |       |                                                                                                 |       |                                                                                       |       |
| 55                                           | 77.0                                                                                | 7,200 |                                                                                           |       |                                                                                                 |       |                                                                                       |       |
| 60                                           | 76.0                                                                                | 7,100 |                                                                                           |       |                                                                                                 |       |                                                                                       |       |
| 65                                           | 74.5                                                                                | 6,900 | 79.0                                                                                      | 6,100 |                                                                                                 |       |                                                                                       |       |
| 70                                           | 73.0                                                                                | 6,800 | 77.5                                                                                      | 6,000 |                                                                                                 |       |                                                                                       |       |
| 75                                           | 72.0                                                                                | 6,600 | 76.0                                                                                      | 5,800 |                                                                                                 |       |                                                                                       |       |
| 80                                           | 70.5                                                                                | 6,500 | 74.5                                                                                      | 5,600 | 79.0                                                                                            | 4,900 |                                                                                       |       |
| 85                                           | 69.0                                                                                | 6,300 | 73.0                                                                                      | 5,500 | 77.5                                                                                            | 4,800 |                                                                                       |       |
| 90                                           | 67.5                                                                                | 6,100 | 71.5                                                                                      | 5,300 | 76.0                                                                                            | 4,700 | 79.5                                                                                  | 4,200 |
| 95                                           | 66.0                                                                                | 5,900 | 70.0                                                                                      | 5,200 | 74.0                                                                                            | 4,600 | 78.0                                                                                  | 4,200 |
| 100                                          | 64.5                                                                                | 5,700 | 68.5                                                                                      | 5,100 | 72.5                                                                                            | 4,500 | 76.0                                                                                  | 4,100 |
| 105                                          | 62.5                                                                                | 5,400 | 66.5                                                                                      | 4,900 | 71.0                                                                                            | 4,400 | 74.5                                                                                  | 4,100 |
| 110                                          | 60.5                                                                                | 5,100 | 65.0                                                                                      | 4,700 | 69.0                                                                                            | 4,300 | 72.5                                                                                  | 4,100 |
| 115                                          | 59.0                                                                                | 4,900 | 63.0                                                                                      | 4,500 | 67.0                                                                                            | 4,200 | 70.5                                                                                  | 4,000 |
| 120                                          | 57.0                                                                                | 4,700 | 61.0                                                                                      | 4,300 | 65.0                                                                                            | 4,000 | 68.5                                                                                  | 3,900 |
| 125                                          | 55.0                                                                                | 4,500 | 59.0                                                                                      | 4,100 | 63.0                                                                                            | 3,900 | 66.5                                                                                  | 3,800 |
| 130                                          | 53.0                                                                                | 4,000 | 57.0                                                                                      | 4,000 | 61.0                                                                                            | 3,700 | 64.0                                                                                  | 3,600 |
| 135                                          | 50.5                                                                                | 3,600 | 55.0                                                                                      | 3,800 | 59.0                                                                                            | 3,600 | 61.5                                                                                  | 3,500 |
| 140                                          | 48.0                                                                                | 3,200 | 52.5                                                                                      | 3,600 | 56.5                                                                                            | 3,500 | 59.0                                                                                  | 3,400 |
| 145                                          | 45.5                                                                                | 2,900 | 50.0                                                                                      | 3,200 | 54.0                                                                                            | 3,400 | 56.5                                                                                  | 3,400 |
| 150                                          | 43.0                                                                                | 2,600 | 47.5                                                                                      | 2,900 | 51.5                                                                                            | 3,100 | 53.0                                                                                  | 3,300 |
| 155                                          | 40.5                                                                                | 2,300 | 44.5                                                                                      | 2,500 | 48.0                                                                                            | 2,800 | 49.5                                                                                  | 2,800 |
| 160                                          | 37.5                                                                                | 2,000 | 41.5                                                                                      | 2,200 | 45.0                                                                                            | 2,400 | 45.5                                                                                  | 2,400 |
| 165                                          | 34.5                                                                                | 1,700 | 38.5                                                                                      | 1,900 | 41.0                                                                                            | 2,100 |                                                                                       |       |
| 170                                          | 31.0                                                                                | 1,500 | 34.5                                                                                      | 1,700 | 36.5                                                                                            | 1,700 |                                                                                       |       |
| 175                                          | 27.0                                                                                | 1,300 | 30.5                                                                                      | 1,400 | 31.0                                                                                            | 1,400 |                                                                                       |       |
| 180                                          | 21.5                                                                                | 1,100 | 24.5                                                                                      | 1,100 |                                                                                                 |       |                                                                                       |       |
| Min.Bm.<br>Ang./Cap.                         | 20.5                                                                                |       | 23.0                                                                                      |       | 26.0                                                                                            |       | 34.5                                                                                  |       |
| Radius (ft)                                  | 181.0                                                                               |       | 180.4                                                                                     |       | 175.5                                                                                           |       | 172.6                                                                                 |       |
| Maximum Boom Length At<br>0° Boom Angle (ft) |                                                                                     | 122   |                                                                                           |       |                                                                                                 |       |                                                                                       |       |

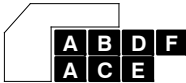
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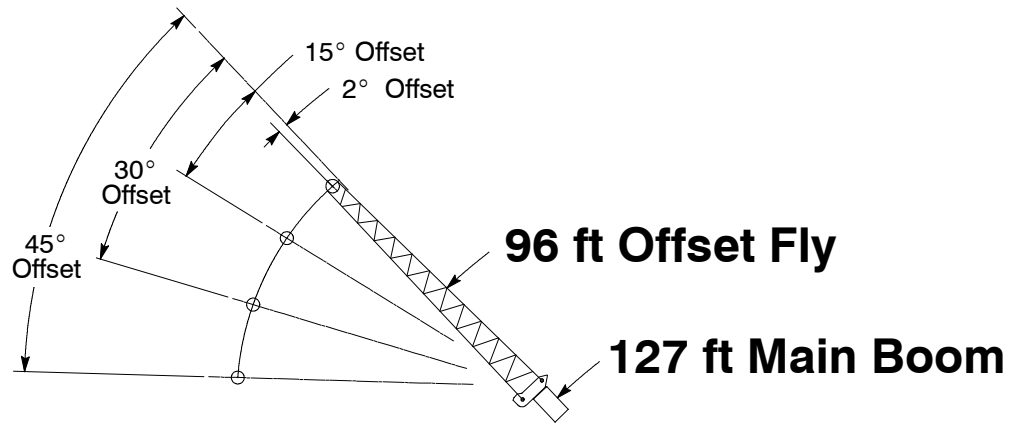
| Rated Lifting Capacities<br>In Pounds |            |        | <br>Full |       | <br>18,400 lb |       |  |       |
|---------------------------------------|------------|--------|-------------------------------------------------------------------------------------------|-------|--------------------------------------------------------------------------------------------------|-------|-------------------------------------------------------------------------------------|-------|
| Load<br>Radius<br>(ft)                | 2° Offset  |        | 15° Offset                                                                                |       | 30° Offset                                                                                       |       | 45° Offset                                                                          |       |
|                                       | $\angle$ ° | 360°   | $\angle$ °                                                                                | 360°  | $\angle$ °                                                                                       | 360°  | $\angle$ °                                                                          | 360°  |
| 35                                    | 79.5       | 10,300 |                                                                                           |       |                                                                                                  |       |                                                                                     |       |
| 40                                    | 77.5       | 9,900  |                                                                                           |       |                                                                                                  |       |                                                                                     |       |
| 45                                    | 76.0       | 9,400  |                                                                                           |       |                                                                                                  |       |                                                                                     |       |
| 50                                    | 74.5       | 9,000  | 79.5                                                                                      | 7,400 |                                                                                                  |       |                                                                                     |       |
| 55                                    | 72.5       | 8,500  | 77.5                                                                                      | 7,000 |                                                                                                  |       |                                                                                     |       |
| 60                                    | 71.0       | 8,100  | 76.0                                                                                      | 6,700 |                                                                                                  |       |                                                                                     |       |
| 65                                    | 69.0       | 7,700  | 74.0                                                                                      | 6,400 | 79.5                                                                                             | 5,400 |                                                                                     |       |
| 70                                    | 67.0       | 7,300  | 72.0                                                                                      | 6,200 | 77.5                                                                                             | 5,200 |                                                                                     |       |
| 75                                    | 65.5       | 7,000  | 70.0                                                                                      | 5,900 | 75.5                                                                                             | 5,100 |                                                                                     |       |
| 80                                    | 63.5       | 6,700  | 68.5                                                                                      | 5,700 | 73.5                                                                                             | 4,900 | 78.0                                                                                | 4,400 |
| 85                                    | 61.5       | 6,400  | 66.5                                                                                      | 5,500 | 71.5                                                                                             | 4,800 | 76.0                                                                                | 4,300 |
| 90                                    | 59.5       | 6,100  | 64.5                                                                                      | 5,300 | 69.5                                                                                             | 4,700 | 73.5                                                                                | 4,300 |
| 95                                    | 57.5       | 5,800  | 62.0                                                                                      | 5,100 | 67.0                                                                                             | 4,600 | 71.5                                                                                | 4,200 |
| 100                                   | 55.0       | 5,600  | 60.0                                                                                      | 5,000 | 65.0                                                                                             | 4,500 | 69.0                                                                                | 4,200 |
| 105                                   | 53.0       | 5,400  | 57.5                                                                                      | 4,800 | 62.5                                                                                             | 4,400 | 66.5                                                                                | 4,100 |
| 110                                   | 50.5       | 5,200  | 55.5                                                                                      | 4,700 | 60.0                                                                                             | 4,300 | 63.5                                                                                | 4,100 |
| 115                                   | 48.0       | 5,000  | 53.0                                                                                      | 4,600 | 57.5                                                                                             | 4,200 | 61.0                                                                                | 4,100 |
| 120                                   | 45.5       | 4,900  | 50.0                                                                                      | 4,500 | 54.5                                                                                             | 4,200 | 57.5                                                                                | 4,100 |
| 125                                   | 42.5       | 4,500  | 47.5                                                                                      | 4,400 | 51.5                                                                                             | 4,100 | 54.5                                                                                | 4,100 |
| 130                                   | 39.5       | 4,100  | 44.5                                                                                      | 4,300 | 48.5                                                                                             | 4,100 | 50.5                                                                                | 4,100 |
| 135                                   | 36.0       | 3,700  | 41.0                                                                                      | 3,900 | 45.0                                                                                             | 4,100 | 46.0                                                                                | 4,100 |
| 140                                   | 32.5       | 3,300  | 37.0                                                                                      | 3,500 | 40.5                                                                                             | 3,700 |                                                                                     |       |
| 145                                   | 28.0       | 2,900  | 32.5                                                                                      | 3,100 | 35.0                                                                                             | 3,200 |                                                                                     |       |
| 150                                   | 22.5       | 2,600  | 26.5                                                                                      | 2,800 |                                                                                                  |       |                                                                                     |       |
| 155                                   | 13.5       | 2,300  |                                                                                           |       |                                                                                                  |       |                                                                                     |       |
| Min.Bm.<br>Ang./Cap.                  | 0.0        | 1,100  | 0.0                                                                                       | 1,100 | 0.0                                                                                              | 1,200 | 0.0                                                                                 | 1,400 |
| Radius (ft)                           | 155.7      |        | 154.9                                                                                     |       | 151.5                                                                                            |       | 145.5                                                                               |       |

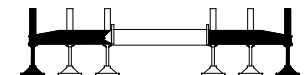
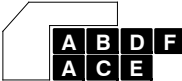
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| Rated Lifting Capacities<br>In Pounds        |                                                                                     |       |    |       |   |       |    |       |
|----------------------------------------------|-------------------------------------------------------------------------------------|-------|-------------------------------------------------------------------------------------|-------|-------------------------------------------------------------------------------------|-------|---------------------------------------------------------------------------------------|-------|
|                                              |                                                                                     |       | Full                                                                                |       | 18,400 lb                                                                           |       |                                                                                       |       |
| Load<br>Radius<br>(ft)                       | 2° Offset                                                                           |       | 15° Offset                                                                          |       | 30° Offset                                                                          |       | 45° Offset                                                                            |       |
|                                              |  ° | 360°  |  ° | 360°  |  ° | 360°  |  ° | 360°  |
| 50                                           | 79.0                                                                                | 5,800 |                                                                                     |       |                                                                                     |       |                                                                                       |       |
| 55                                           | 78.0                                                                                | 5,800 |                                                                                     |       |                                                                                     |       |                                                                                       |       |
| 60                                           | 77.0                                                                                | 5,800 |                                                                                     |       |                                                                                     |       |                                                                                       |       |
| 65                                           | 76.0                                                                                | 5,800 | 79.5                                                                                | 5,600 |                                                                                     |       |                                                                                       |       |
| 70                                           | 75.0                                                                                | 5,800 | 78.0                                                                                | 5,300 |                                                                                     |       |                                                                                       |       |
| 75                                           | 73.5                                                                                | 5,800 | 76.5                                                                                | 5,000 |                                                                                     |       |                                                                                       |       |
| 80                                           | 72.0                                                                                | 5,500 | 75.5                                                                                | 4,700 | 79.0                                                                                | 3,900 |                                                                                       |       |
| 85                                           | 71.0                                                                                | 5,200 | 74.0                                                                                | 4,400 | 78.0                                                                                | 3,700 |                                                                                       |       |
| 90                                           | 69.5                                                                                | 4,900 | 72.5                                                                                | 4,200 | 76.5                                                                                | 3,500 | 80.0                                                                                  | 3,100 |
| 95                                           | 68.0                                                                                | 4,600 | 71.0                                                                                | 4,000 | 75.0                                                                                | 3,400 | 78.5                                                                                  | 2,900 |
| 100                                          | 66.5                                                                                | 4,400 | 69.5                                                                                | 3,800 | 73.5                                                                                | 3,200 | 76.5                                                                                  | 2,800 |
| 105                                          | 65.0                                                                                | 4,200 | 68.0                                                                                | 3,600 | 72.0                                                                                | 3,100 | 75.0                                                                                  | 2,700 |
| 110                                          | 63.5                                                                                | 4,000 | 66.5                                                                                | 3,500 | 70.5                                                                                | 2,900 | 73.5                                                                                  | 2,600 |
| 115                                          | 62.0                                                                                | 3,800 | 65.0                                                                                | 3,300 | 68.5                                                                                | 2,800 | 72.0                                                                                  | 2,500 |
| 120                                          | 60.0                                                                                | 3,600 | 63.0                                                                                | 3,200 | 67.0                                                                                | 2,700 | 70.0                                                                                  | 2,500 |
| 125                                          | 58.5                                                                                | 3,400 | 61.5                                                                                | 3,000 | 65.5                                                                                | 2,600 | 68.5                                                                                  | 2,400 |
| 130                                          | 57.0                                                                                | 3,300 | 60.0                                                                                | 2,900 | 63.5                                                                                | 2,500 | 66.5                                                                                  | 2,300 |
| 135                                          | 55.0                                                                                | 3,200 | 58.0                                                                                | 2,800 | 62.0                                                                                | 2,500 | 64.5                                                                                  | 2,300 |
| 140                                          | 53.5                                                                                | 3,000 | 56.5                                                                                | 2,700 | 60.0                                                                                | 2,400 | 62.5                                                                                  | 2,200 |
| 145                                          | 51.0                                                                                | 2,700 | 54.5                                                                                | 2,600 | 58.0                                                                                | 2,300 | 60.5                                                                                  | 2,200 |
| 150                                          | 49.0                                                                                | 2,400 | 52.5                                                                                | 2,500 | 56.0                                                                                | 2,300 | 58.5                                                                                  | 2,100 |
| 155                                          | 47.0                                                                                | 2,100 | 50.5                                                                                | 2,400 | 54.0                                                                                | 2,200 | 56.0                                                                                  | 2,100 |
| 160                                          | 44.5                                                                                | 1,800 | 48.0                                                                                | 2,100 | 51.5                                                                                | 2,200 | 53.5                                                                                  | 2,100 |
| 165                                          | 42.5                                                                                | 1,500 | 45.5                                                                                | 1,800 | 49.0                                                                                | 2,000 | 51.0                                                                                  | 2,100 |
| 170                                          | 40.0                                                                                | 1,300 | 43.0                                                                                | 1,500 | 46.5                                                                                | 1,700 | 47.5                                                                                  | 1,800 |
| 175                                          | 37.5                                                                                | 1,100 | 40.5                                                                                | 1,300 | 43.5                                                                                | 1,400 |                                                                                       |       |
| 180                                          |                                                                                     |       | 37.5                                                                                | 1,000 | 40.0                                                                                | 1,200 |                                                                                       |       |
| Min.Bm.<br>Ang./Cap.                         | 34.5                                                                                |       | 36.0                                                                                |       | 36.5                                                                                |       | 35.5                                                                                  |       |
| Radius (ft)                                  | 180.0                                                                               |       | 182.5                                                                               |       | 185.0                                                                               |       | 180.7                                                                                 |       |
| Maximum Boom Length At<br>0° Boom Angle (ft) |                                                                                     | 110   |                                                                                     |       |                                                                                     |       |                                                                                       |       |

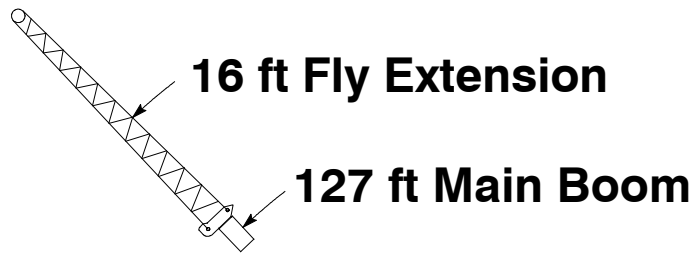
SN: P9L4-7599

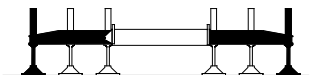


| Rated Lifting Capacities<br>In Pounds        |                                                                                     |       |    |       |  |       |    |       |
|----------------------------------------------|-------------------------------------------------------------------------------------|-------|-------------------------------------------------------------------------------------|-------|-------------------------------------------------------------------------------------|-------|---------------------------------------------------------------------------------------|-------|
|                                              |                                                                                     |       | Full                                                                                |       | 18,400 lb                                                                           |       |                                                                                       |       |
| Load<br>Radius<br>(ft)                       | 2° Offset                                                                           |       | 15° Offset                                                                          |       | 30° Offset                                                                          |       | 45° Offset                                                                            |       |
|                                              |  ° | 360°  |  ° | 360°  |  ° | 360°  |  ° | 360°  |
| 55                                           | 79.5                                                                                | 4,500 |                                                                                     |       |                                                                                     |       |                                                                                       |       |
| 60                                           | 78.5                                                                                | 4,500 |                                                                                     |       |                                                                                     |       |                                                                                       |       |
| 65                                           | 77.5                                                                                | 4,500 |                                                                                     |       |                                                                                     |       |                                                                                       |       |
| 70                                           | 76.5                                                                                | 4,500 | 79.5                                                                                | 4,200 |                                                                                     |       |                                                                                       |       |
| 75                                           | 75.5                                                                                | 4,500 | 78.5                                                                                | 3,900 |                                                                                     |       |                                                                                       |       |
| 80                                           | 74.0                                                                                | 4,100 | 77.0                                                                                | 3,700 |                                                                                     |       |                                                                                       |       |
| 85                                           | 73.0                                                                                | 3,900 | 75.5                                                                                | 3,400 | 79.5                                                                                | 3,000 |                                                                                       |       |
| 90                                           | 71.5                                                                                | 3,600 | 74.5                                                                                | 3,200 | 78.0                                                                                | 2,800 |                                                                                       |       |
| 95                                           | 70.0                                                                                | 3,400 | 73.0                                                                                | 3,000 | 77.0                                                                                | 2,600 | 80.0                                                                                  | 2,300 |
| 100                                          | 69.0                                                                                | 3,200 | 71.5                                                                                | 2,800 | 75.5                                                                                | 2,400 | 78.5                                                                                  | 2,200 |
| 105                                          | 67.5                                                                                | 3,000 | 70.5                                                                                | 2,600 | 74.0                                                                                | 2,300 | 77.5                                                                                  | 2,100 |
| 110                                          | 66.0                                                                                | 2,800 | 69.0                                                                                | 2,500 | 72.5                                                                                | 2,200 | 76.0                                                                                  | 1,900 |
| 115                                          | 64.5                                                                                | 2,600 | 67.5                                                                                | 2,300 | 71.5                                                                                | 2,000 | 74.5                                                                                  | 1,800 |
| 120                                          | 63.0                                                                                | 2,500 | 66.0                                                                                | 2,200 | 70.0                                                                                | 1,900 | 73.0                                                                                  | 1,700 |
| 125                                          | 62.0                                                                                | 2,300 | 64.5                                                                                | 2,100 | 68.5                                                                                | 1,800 | 71.5                                                                                  | 1,600 |
| 130                                          | 60.5                                                                                | 2,200 | 63.5                                                                                | 1,900 | 67.0                                                                                | 1,700 | 70.0                                                                                  | 1,500 |
| 135                                          | 59.0                                                                                | 2,100 | 61.5                                                                                | 1,800 | 65.5                                                                                | 1,600 | 68.0                                                                                  | 1,500 |
| 140                                          | 57.0                                                                                | 2,000 | 60.0                                                                                | 1,700 | 63.5                                                                                | 1,500 | 66.5                                                                                  | 1,400 |
| 145                                          | 55.5                                                                                | 1,800 | 58.5                                                                                | 1,600 | 62.0                                                                                | 1,400 | 64.5                                                                                  | 1,300 |
| 150                                          | 54.0                                                                                | 1,700 | 57.0                                                                                | 1,500 | 60.5                                                                                | 1,300 | 63.0                                                                                  | 1,200 |
| 155                                          | 52.5                                                                                | 1,700 | 55.5                                                                                | 1,500 | 58.5                                                                                | 1,300 | 61.0                                                                                  | 1,200 |
| 160                                          | 50.5                                                                                | 1,600 | 53.5                                                                                | 1,400 | 57.0                                                                                | 1,200 | 59.0                                                                                  | 1,100 |
| 165                                          | 49.0                                                                                | 1,500 | 51.5                                                                                | 1,300 | 55.0                                                                                | 1,200 | 57.0                                                                                  | 1,100 |
| 170                                          | 46.5                                                                                | 1,200 | 50.0                                                                                | 1,300 | 53.0                                                                                | 1,100 | 55.0                                                                                  | 1,100 |
| 175                                          | 44.5                                                                                | 1,000 | 48.0                                                                                | 1,200 | 51.0                                                                                | 1,100 | 52.5                                                                                  | 1,000 |
| 180                                          |                                                                                     |       | 45.5                                                                                | 1,000 | 49.0                                                                                | 1,100 | 50.0                                                                                  | 1,000 |
| 185                                          |                                                                                     |       |                                                                                     |       |                                                                                     |       | 47.5                                                                                  | 1,000 |
| Min.Bm.<br>Ang./Cap.                         | 43.5                                                                                |       | 44.5                                                                                |       | 46.5                                                                                |       | 46.5                                                                                  |       |
| Radius (ft)                                  | 177.5                                                                               |       | 182.5                                                                               |       | 185.0                                                                               |       | 186.7                                                                                 |       |
| Maximum Boom Length At<br>0° Boom Angle (ft) |                                                                                     | 97    |                                                                                     |       |                                                                                     |       |                                                                                       |       |

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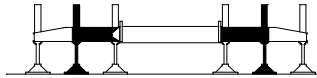




| Rated Lifting Capacities<br>In Pounds                                                         |            |                                                                                                      |
|-----------------------------------------------------------------------------------------------|------------|------------------------------------------------------------------------------------------------------|
|  <p>Full</p> |            |  <p>18,400 lb</p> |
| Load<br>Radius<br>(ft)                                                                        | $\angle$ ° | 360°                                                                                                 |
| 30                                                                                            | 78.5       | 15,600                                                                                               |
| 35                                                                                            | 77.0       | 15,600                                                                                               |
| 40                                                                                            | 75.0       | 15,600                                                                                               |
| 45                                                                                            | 73.5       | 15,600                                                                                               |
| 50                                                                                            | 71.5       | 15,600                                                                                               |
| 55                                                                                            | 70.0       | 15,600                                                                                               |
| 60                                                                                            | 68.0       | 15,600                                                                                               |
| 65                                                                                            | 65.5       | 14,900                                                                                               |
| 70                                                                                            | 63.0       | 13,100                                                                                               |
| 75                                                                                            | 60.5       | 11,700                                                                                               |
| 80                                                                                            | 57.5       | 10,400                                                                                               |
| 85                                                                                            | 55.0       | 9,200                                                                                                |
| 90                                                                                            | 52.0       | 8,200                                                                                                |
| 95                                                                                            | 49.0       | 7,300                                                                                                |
| 100                                                                                           | 46.0       | 6,500                                                                                                |
| 105                                                                                           | 43.0       | 5,800                                                                                                |
| 110                                                                                           | 39.5       | 5,100                                                                                                |
| 115                                                                                           | 35.5       | 4,600                                                                                                |
| 120                                                                                           | 31.5       | 4,000                                                                                                |
| 125                                                                                           | 26.5       | 3,600                                                                                                |
| 130                                                                                           | 20.5       | 3,100                                                                                                |
| 135                                                                                           | 11.0       | 2,700                                                                                                |
| Min.Bm.<br>Ang./Cap.                                                                          | 0.0        | 1,400                                                                                                |
| Radius (ft)                                                                                   | 136.1      |                                                                                                      |

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**Rated Lifting Capacities  
In Pounds**

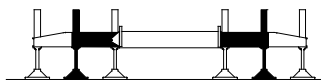


| Load<br>Radius<br>(ft) | 41.0 ft        |         | 50.0 ft        |        | 60.0 ft        |        | 70.0 ft        |        |
|------------------------|----------------|---------|----------------|--------|----------------|--------|----------------|--------|
|                        | $\angle^\circ$ | 360°    | $\angle^\circ$ | 360°   | $\angle^\circ$ | 360°   | $\angle^\circ$ | 360°   |
| 10                     | 70.0           | 123,700 | 74.0           | 89,000 | 77.0           | 62,900 | 79.0           | 49,800 |
| 12                     | 66.5           | 88,300  | 71.5           | 87,100 | 75.0           | 58,500 | 77.5           | 46,500 |
| 15                     | 61.5           | 50,100  | 67.5           | 53,100 | 72.0           | 53,000 | 75.0           | 42,200 |
| 20                     | 53.0           | 26,500  | 61.0           | 28,900 | 66.5           | 30,600 | 70.5           | 31,700 |
| 25                     | 43.0           | 15,900  | 53.5           | 18,300 | 61.0           | 19,800 | 66.0           | 20,800 |
| 30                     | 29.5           | 10,000  | 46.0           | 12,200 | 55.0           | 13,800 | 61.0           | 14,700 |
| 35                     |                |         | 36.5           | 8,300  | 48.5           | 9,900  | 56.0           | 10,900 |
| 40                     |                |         | 23.5           | 5,600  | 41.5           | 7,100  | 50.5           | 8,100  |
| 45                     |                |         |                |        | 33.0           | 5,000  | 45.0           | 6,000  |
| 50                     |                |         |                |        | 21.5           | 3,400  | 38.0           | 4,400  |
| 55                     |                |         |                |        |                |        | 30.5           | 3,100  |
| 60                     |                |         |                |        |                |        | 19.5           | 2,100  |
| Min.Bm.<br>Ang./Cap.   | 0.0            | 6,600   | 0.0            | 4,200  | 0.0            | 2,600  | 0.0            | 1,600  |
| Radius (ft)            | 34.0           |         | 43.0           |        | 53.0           |        | 63.0           |        |

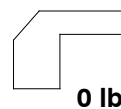
| Load<br>Radius<br>(ft) | 80.0 ft        |        | 90.0 ft        |        | 100.0 ft       |        | 110.0 ft       |        |
|------------------------|----------------|--------|----------------|--------|----------------|--------|----------------|--------|
|                        | $\angle^\circ$ | 360°   | $\angle^\circ$ | 360°   | $\angle^\circ$ | 360°   | $\angle^\circ$ | 360°   |
| 12                     | 79.5           | 42,400 |                |        |                |        |                |        |
| 15                     | 77.5           | 42,400 | 79.0           | 36,700 |                |        |                |        |
| 20                     | 73.5           | 32,000 | 76.0           | 32,300 | 77.5           | 30,700 | 79.0           | 29,100 |
| 25                     | 69.5           | 21,100 | 72.0           | 21,300 | 74.5           | 21,400 | 76.5           | 21,100 |
| 30                     | 65.0           | 15,000 | 68.5           | 15,200 | 71.0           | 15,200 | 73.0           | 14,900 |
| 35                     | 61.0           | 11,100 | 65.0           | 11,300 | 68.0           | 11,400 | 70.5           | 11,100 |
| 40                     | 56.5           | 8,400  | 61.0           | 8,600  | 64.5           | 8,600  | 67.5           | 8,400  |
| 45                     | 52.0           | 6,300  | 57.0           | 6,600  | 61.0           | 6,600  | 64.5           | 6,400  |
| 50                     | 47.0           | 4,700  | 53.0           | 5,000  | 57.5           | 5,100  | 61.0           | 4,800  |
| 55                     | 41.5           | 3,500  | 49.0           | 3,700  | 54.0           | 3,800  | 58.0           | 3,600  |
| 60                     | 35.5           | 2,500  | 44.0           | 2,700  | 50.0           | 2,800  | 54.5           | 2,600  |
| 65                     | 28.5           | 1,600  | 39.0           | 1,900  | 46.0           | 2,000  | 51.5           | 1,800  |
| 70                     |                |        | 33.5           | 1,100  | 42.0           | 1,200  | 47.5           | 1,100  |
| Min.Bm.<br>Ang./Cap.   | 18.5           |        | 31.0           |        | 39.5           |        | 39.5           |        |
| Radius (ft)            | 70.0           |        | 71.7           |        | 72.5           |        | 72.5           |        |

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**Rated Lifting Capacities  
In Pounds**



**Intermediate**



**0 lb**

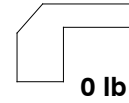
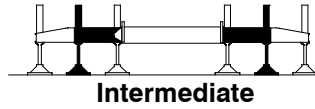


| Load<br>Radius<br>(ft) | 41.0 ft        |         | 50.0 ft        |        | 60.0 ft        |        |
|------------------------|----------------|---------|----------------|--------|----------------|--------|
|                        | $\angle^\circ$ | 360°    | $\angle^\circ$ | 360°   | $\angle^\circ$ | 360°   |
| 10                     | 70.0           | 123,700 | 74.0           | 89,000 | 77.0           | 77,000 |
| 12                     | 66.5           | 88,300  | 71.5           | 87,100 | 75.0           | 72,200 |
| 15                     | 61.5           | 50,100  | 67.5           | 53,100 | 72.0           | 54,700 |
| 20                     | 53.0           | 26,500  | 61.0           | 28,900 | 66.5           | 30,200 |
| 25                     | 43.0           | 15,900  | 53.5           | 18,300 | 61.0           | 19,500 |
| 30                     | 29.5           | 10,000  | 46.0           | 12,200 | 55.0           | 13,500 |
| 35                     |                |         | 36.5           | 8,300  | 48.5           | 9,600  |
| 40                     |                |         | 23.5           | 5,600  | 41.5           | 6,800  |
| 45                     |                |         |                |        | 33.0           | 4,700  |
| 50                     |                |         |                |        | 21.5           | 3,200  |
| Min.Bm.<br>Ang./Cap.   | 0.0            | 6,600   | 0.0            | 4,200  | 0.0            | 2,400  |
| Radius (ft)            | 34.0           |         | 43.0           |        | 53.0           |        |

| Load<br>Radius<br>(ft) | 70.0 ft        |        | 80.0 ft        |        | 90.0 ft        |        | 100.0 ft       |        |
|------------------------|----------------|--------|----------------|--------|----------------|--------|----------------|--------|
|                        | $\angle^\circ$ | 360°   | $\angle^\circ$ | 360°   | $\angle^\circ$ | 360°   | $\angle^\circ$ | 360°   |
| 10                     | 79.5           | 74,000 |                |        |                |        |                |        |
| 12                     | 77.5           | 74,000 | 79.5           | 57,000 |                |        |                |        |
| 15                     | 75.0           | 55,500 | 77.5           | 51,900 | 79.5           | 48,700 |                |        |
| 20                     | 70.5           | 30,800 | 73.5           | 31,200 | 75.5           | 31,100 | 77.5           | 30,800 |
| 25                     | 65.5           | 20,000 | 69.0           | 20,400 | 72.0           | 20,400 | 74.0           | 20,100 |
| 30                     | 61.0           | 14,000 | 65.0           | 14,300 | 68.5           | 14,300 | 71.0           | 14,000 |
| 35                     | 56.0           | 10,200 | 61.0           | 10,500 | 64.5           | 10,500 | 67.5           | 10,300 |
| 40                     | 50.5           | 7,400  | 56.5           | 7,800  | 61.0           | 7,800  | 64.5           | 7,600  |
| 45                     | 44.5           | 5,300  | 52.0           | 5,800  | 57.0           | 5,800  | 61.0           | 5,600  |
| 50                     | 38.0           | 3,800  | 47.0           | 4,200  | 53.0           | 4,200  | 57.5           | 4,100  |
| 55                     | 30.5           | 2,500  | 41.5           | 2,900  | 48.5           | 3,000  | 54.0           | 2,900  |
| 60                     | 19.5           | 1,500  | 35.5           | 1,900  | 44.0           | 2,000  | 50.0           | 1,800  |
| 65                     |                |        | 28.5           | 1,100  | 39.0           | 1,100  | 46.0           | 1,000  |
| Min.Bm.<br>Ang./Cap.   | 0.0            | 1,000  | 25.5           |        | 37.5           |        | 45.0           |        |
| Radius (ft)            | 63.0           |        | 66.4           |        | 66.4           |        | 66.0           |        |

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**Rated Lifting Capacities  
In Pounds**

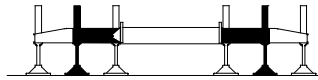


| Load<br>Radius<br>(ft) | 41.0 ft    |         | 50.0 ft    |        | 60.0 ft    |        |
|------------------------|------------|---------|------------|--------|------------|--------|
|                        | $\angle$ ° | 360°    | $\angle$ ° | 360°   | $\angle$ ° | 360°   |
| 10                     | 70.0       | 123,700 | 74.0       | 89,000 | 77.0       | 77,000 |
| 12                     | 66.5       | 88,300  | 71.5       | 87,100 | 75.0       | 72,200 |
| 15                     | 61.5       | 50,100  | 67.5       | 53,100 | 72.0       | 54,700 |
| 20                     | 53.0       | 26,500  | 61.0       | 28,900 | 66.5       | 30,200 |
| 25                     | 43.0       | 15,900  | 53.5       | 18,300 | 61.0       | 19,500 |
| 30                     | 29.5       | 10,000  | 46.0       | 12,200 | 55.0       | 13,500 |
| 35                     |            |         | 36.5       | 8,300  | 48.5       | 9,600  |
| 40                     |            |         | 23.5       | 5,600  | 41.5       | 6,800  |
| 45                     |            |         |            |        | 33.0       | 4,700  |
| 50                     |            |         |            |        | 21.5       | 3,200  |
| Min.Bm.<br>Ang./Cap.   | 0.0        | 6,600   | 0.0        | 4,200  | 0.0        | 2,400  |
| Radius (ft)            | 34.0       |         | 43.0       |        | 53.0       |        |

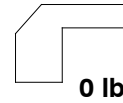
| Load<br>Radius<br>(ft) | 70.0 ft    |        | 80.0 ft    |        | 90.0 ft    |        | 98.7 ft    |        |
|------------------------|------------|--------|------------|--------|------------|--------|------------|--------|
|                        | $\angle$ ° | 360°   | $\angle$ ° | 360°   | $\angle$ ° | 360°   | $\angle$ ° | 360°   |
| 10                     | 79.5       | 74,400 |            |        |            |        |            |        |
| 12                     | 77.5       | 74,300 | 79.5       | 62,800 |            |        |            |        |
| 15                     | 75.0       | 55,400 | 77.0       | 55,000 | 79.5       | 54,700 |            |        |
| 20                     | 70.0       | 30,700 | 73.0       | 30,400 | 75.5       | 30,200 | 77.5       | 30,000 |
| 25                     | 65.5       | 20,000 | 69.0       | 19,700 | 72.0       | 19,500 | 74.0       | 19,400 |
| 30                     | 61.0       | 13,900 | 65.0       | 13,700 | 68.5       | 13,500 | 70.5       | 13,400 |
| 35                     | 56.0       | 10,100 | 61.0       | 9,900  | 64.5       | 9,800  | 67.5       | 9,600  |
| 40                     | 50.5       | 7,400  | 56.5       | 7,200  | 61.0       | 7,100  | 64.0       | 7,000  |
| 45                     | 44.5       | 5,300  | 52.0       | 5,200  | 57.0       | 5,100  | 60.5       | 5,000  |
| 50                     | 38.0       | 3,700  | 47.0       | 3,600  | 53.0       | 3,600  | 57.0       | 3,500  |
| 55                     | 30.5       | 2,500  | 41.5       | 2,400  | 48.5       | 2,300  | 53.5       | 2,300  |
| 60                     | 19.5       | 1,500  | 35.5       | 1,400  | 44.0       | 1,300  | 49.5       | 1,300  |
| Min.Bm.<br>Ang./Cap.   | 0.0        | 900    | 32.0       |        | 42.0       |        | 48.0       |        |
| Radius (ft)            | 63.0       |        | 62.3       |        | 61.8       |        | 61.8       |        |

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**Fixed Boom Lengths  
Rated Lifting Capacities  
In Pounds  
See Operation Note 10.**



**Intermediate**



**0 lb**

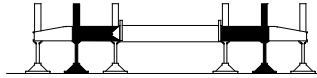


| Load Radius (ft)  | 41.0 ft        |         | 47.0 ft        |         |
|-------------------|----------------|---------|----------------|---------|
|                   | $\angle^\circ$ | 360°    | $\angle^\circ$ | 360°    |
| 10                | 70.0           | 123,700 | 73.0           | 110,700 |
| 12                | 66.5           | 88,300  | 70.0           | 91,100  |
| 15                | 61.5           | 50,100  | 66.0           | 52,200  |
| 20                | 53.0           | 26,500  | 58.5           | 28,200  |
| 25                | 43.0           | 15,900  | 50.5           | 17,600  |
| 30                | 29.5           | 10,000  | 41.5           | 11,600  |
| 35                |                |         | 30.5           | 7,700   |
| Min.Bm. Ang./Cap. | 0.0            | 6,600   | 0.0            | 4,900   |
| Radius (ft)       | 34.0           |         | 40.0           |         |

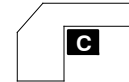
| Load Radius (ft)  | 61.3 ft        |         | 76.0 ft        |        |
|-------------------|----------------|---------|----------------|--------|
|                   | $\angle^\circ$ | 360°    | $\angle^\circ$ | 360°   |
| 10                | 77.5           | 106,900 |                |        |
| 12                | 75.5           | 93,600  | 79.0           | 81,000 |
| 15                | 72.0           | 54,100  | 76.5           | 53,800 |
| 20                | 67.0           | 29,700  | 72.0           | 29,500 |
| 25                | 61.5           | 19,100  | 68.0           | 18,900 |
| 30                | 56.0           | 13,100  | 63.5           | 12,900 |
| 35                | 49.5           | 9,200   | 59.0           | 9,200  |
| 40                | 43.0           | 6,400   | 54.5           | 6,500  |
| 45                | 35.0           | 4,400   | 49.5           | 4,500  |
| 50                | 24.5           | 2,800   | 44.0           | 2,900  |
| 55                |                |         | 38.0           | 1,700  |
| Min.Bm. Ang./Cap. | 0.0            | 1,700   | 33.5           |        |
| Radius (ft)       | 54.3           |         | 58.0           |        |

**SN: P9L4-7599**

**Rated Lifting Capacities  
In Pounds**



**Intermediate**



**2,200 lb**

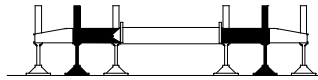


| Load<br>Radius<br>(ft) | 41.0 ft |         | 50.0 ft |        | 60.0 ft |        | 70.0 ft |        |
|------------------------|---------|---------|---------|--------|---------|--------|---------|--------|
|                        |         | 360°    |         | 360°   |         | 360°   |         | 360°   |
| 10.0                   | 70.0    | 125,700 | 74.0    | 89,000 | 77.0    | 62,900 | 79.0    | 49,800 |
| 12.0                   | 66.5    | 91,000  | 71.5    | 87,100 | 75.0    | 58,500 | 77.5    | 46,500 |
| 15.0                   | 61.5    | 51,800  | 67.5    | 54,700 | 72.0    | 53,000 | 75.0    | 42,200 |
| 20.0                   | 53.0    | 27,500  | 61.0    | 29,900 | 66.5    | 31,600 | 70.5    | 32,700 |
| 25.0                   | 43.0    | 16,600  | 53.5    | 19,100 | 61.0    | 20,600 | 66.0    | 21,600 |
| 30.0                   | 29.5    | 10,500  | 46.0    | 12,800 | 55.0    | 14,400 | 61.0    | 15,300 |
| 35.0                   |         |         | 36.5    | 8,800  | 48.5    | 10,300 | 56.0    | 11,300 |
| 40.0                   |         |         | 23.5    | 5,900  | 41.5    | 7,500  | 50.5    | 8,500  |
| 45.0                   |         |         |         |        | 33.0    | 5,400  | 44.5    | 6,300  |
| 50.0                   |         |         |         |        | 21.5    | 3,800  | 38.0    | 4,700  |
| 55.0                   |         |         |         |        |         |        | 30.5    | 3,400  |
| 60.0                   |         |         |         |        |         |        | 19.5    | 2,400  |
| Min.Bm.<br>Ang./Cap.   | 0.0     | 7,100   | 0.0     | 4,600  | 0.0     | 2,900  | 0.0     | 1,800  |
| Radius                 | 34.0    |         | 43.0    |        | 53.0    |        | 63.0    |        |

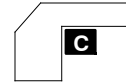
| Load<br>Radius<br>(ft) | 80.0 ft |        | 90.0 ft |        | 100.0 ft |        | 110.0 ft |        |
|------------------------|---------|--------|---------|--------|----------|--------|----------|--------|
|                        |         | 360°   |         | 360°   |          | 360°   |          | 360°   |
| 12.0                   | 79.5    | 42,400 |         |        |          |        |          |        |
| 15.0                   | 77.5    | 42,400 | 79.0    | 36,700 |          |        |          |        |
| 20.0                   | 73.5    | 33,000 | 75.5    | 33,300 | 77.5     | 30,700 | 79.0     | 29,100 |
| 25.0                   | 69.5    | 21,800 | 72.0    | 22,100 | 74.5     | 22,100 | 76.0     | 21,800 |
| 30.0                   | 65.0    | 15,500 | 68.5    | 15,700 | 71.0     | 15,800 | 73.0     | 15,500 |
| 35.0                   | 61.0    | 11,600 | 65.0    | 11,800 | 67.5     | 11,800 | 70.0     | 11,600 |
| 40.0                   | 56.5    | 8,800  | 61.0    | 9,000  | 64.5     | 9,000  | 67.0     | 8,800  |
| 45.0                   | 52.0    | 6,700  | 57.0    | 6,900  | 61.0     | 6,900  | 64.0     | 6,700  |
| 50.0                   | 47.0    | 5,000  | 53.0    | 5,300  | 57.5     | 5,400  | 61.0     | 5,100  |
| 55.0                   | 41.5    | 3,800  | 49.0    | 4,000  | 54.0     | 4,100  | 58.0     | 3,900  |
| 60.0                   | 35.5    | 2,700  | 44.0    | 3,000  | 50.0     | 3,000  | 54.5     | 2,900  |
| 65.0                   | 28.5    | 1,800  | 39.0    | 2,100  | 46.0     | 2,200  | 51.5     | 2,000  |
| 70.0                   |         |        | 33.5    | 1,400  | 42.0     | 1,400  | 48.0     | 1,300  |
| Min.Bm.<br>Ang./Cap.   | 18.5    |        | 28.0    |        | 37.5     |        | 45.5     |        |
| Radius                 | 70.0    |        | 73.9    |        | 74.6     |        | 73.2     |        |

**SN: P9L4-7599**

**Rated Lifting Capacities  
In Pounds**



**Intermediate**



**2,200 lb**

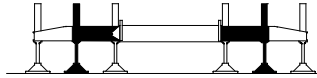


| Load Radius (ft)  | 41.0 ft        |         | 50.0 ft        |        | 60.0 ft        |        | 70.0 ft        |        |
|-------------------|----------------|---------|----------------|--------|----------------|--------|----------------|--------|
|                   | $\angle^\circ$ | 360°    | $\angle^\circ$ | 360°   | $\angle^\circ$ | 360°   | $\angle^\circ$ | 360°   |
| 10.0              | 70.0           | 125,700 | 74.0           | 89,000 | 77.0           | 77,000 | 79.5           | 74,000 |
| 12.0              | 66.5           | 91,000  | 71.5           | 87,100 | 75.0           | 72,200 | 77.5           | 74,000 |
| 15.0              | 61.5           | 51,800  | 67.5           | 54,700 | 72.0           | 56,400 | 75.0           | 57,200 |
| 20.0              | 53.0           | 27,500  | 61.0           | 29,900 | 66.5           | 31,200 | 70.0           | 31,800 |
| 25.0              | 43.0           | 16,600  | 53.5           | 19,100 | 60.5           | 20,200 | 65.5           | 20,800 |
| 30.0              | 29.5           | 10,500  | 46.0           | 12,800 | 55.0           | 14,000 | 60.5           | 14,500 |
| 35.0              |                |         | 36.5           | 8,800  | 48.5           | 10,000 | 56.0           | 10,600 |
| 40.0              |                |         | 23.5           | 5,900  | 41.5           | 7,200  | 50.5           | 7,800  |
| 45.0              |                |         |                |        | 33.0           | 5,100  | 44.5           | 5,700  |
| 50.0              |                |         |                |        | 21.0           | 3,500  | 38.0           | 4,100  |
| 55.0              |                |         |                |        |                |        | 30.5           | 2,800  |
| 60.0              |                |         |                |        |                |        | 19.5           | 1,800  |
| Min.Bm. Ang./Cap. | 0.0            | 7,100   | 0.0            | 4,600  | 0.0            | 2,700  | 0.0            | 1,200  |
| Radius            | 34.0           |         | 43.0           |        | 53.0           |        | 63.0           |        |

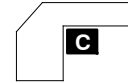
| Load Radius (ft)  | 80.0 ft        |        | 90.0 ft        |        | 100.0 ft       |        |
|-------------------|----------------|--------|----------------|--------|----------------|--------|
|                   | $\angle^\circ$ | 360°   | $\angle^\circ$ | 360°   | $\angle^\circ$ | 360°   |
| 12.0              | 79.5           | 57,000 |                |        |                |        |
| 15.0              | 77.5           | 51,900 | 79.5           | 48,700 |                |        |
| 20.0              | 73.5           | 32,200 | 75.5           | 32,200 | 77.5           | 31,900 |
| 25.0              | 69.0           | 21,200 | 72.0           | 21,100 | 74.0           | 20,800 |
| 30.0              | 65.0           | 14,900 | 68.5           | 14,800 | 71.0           | 14,600 |
| 35.0              | 61.0           | 11,000 | 64.5           | 10,900 | 67.5           | 10,700 |
| 40.0              | 56.5           | 8,200  | 61.0           | 8,200  | 64.5           | 8,000  |
| 45.0              | 52.0           | 6,100  | 57.0           | 6,100  | 61.0           | 5,900  |
| 50.0              | 47.0           | 4,500  | 53.0           | 4,500  | 57.5           | 4,400  |
| 55.0              | 41.5           | 3,200  | 48.5           | 3,200  | 54.0           | 3,100  |
| 60.0              | 35.5           | 2,200  | 44.0           | 2,200  | 50.0           | 2,100  |
| 65.0              | 28.5           | 1,300  | 39.0           | 1,300  | 46.0           | 1,200  |
| Min.Bm. Ang./Cap. | 22.0           |        | 35.5           |        | 44.5           |        |
| Radius            | 68.0           |        | 68.2           |        | 66.9           |        |

**SN: P9L4-7599**

**Rated Lifting Capacities  
In Pounds**



**Intermediate**



**2,200 lb**



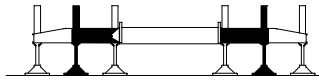
| Load<br>Radius<br>(ft) | 41.0 ft |         | 50.0 ft |        | 60.0 ft |        | 70.0 ft |        |
|------------------------|---------|---------|---------|--------|---------|--------|---------|--------|
|                        |         | 360°    |         | 360°   |         | 360°   |         | 360°   |
| 10.0                   | 70.0    | 125,700 | 74.0    | 89,000 | 77.0    | 77,000 | 79.0    | 74,400 |
| 12.0                   | 66.5    | 91,000  | 71.5    | 87,100 | 75.0    | 72,200 | 77.5    | 74,300 |
| 15.0                   | 61.5    | 51,800  | 67.5    | 54,700 | 72.0    | 56,400 | 75.0    | 57,100 |
| 20.0                   | 53.0    | 27,500  | 61.0    | 29,900 | 66.5    | 31,200 | 70.0    | 31,700 |
| 25.0                   | 43.0    | 16,600  | 53.5    | 19,100 | 60.5    | 20,200 | 65.5    | 20,700 |
| 30.0                   | 29.5    | 10,500  | 46.0    | 12,800 | 55.0    | 14,000 | 60.5    | 14,500 |
| 35.0                   |         |         | 36.5    | 8,800  | 48.5    | 10,000 | 56.0    | 10,600 |
| 40.0                   |         |         | 23.5    | 5,900  | 41.5    | 7,200  | 50.5    | 7,700  |
| 45.0                   |         |         |         |        | 33.0    | 5,100  | 44.5    | 5,600  |
| 50.0                   |         |         |         |        | 21.0    | 3,500  | 38.0    | 4,000  |
| 55.0                   |         |         |         |        |         |        | 30.5    | 2,700  |
| 60.0                   |         |         |         |        |         |        | 19.5    | 1,700  |
| Min.Bm.<br>Ang./Cap.   | 0.0     | 7,100   | 0.0     | 4,600  | 0.0     | 2,700  | 0.0     | 1,200  |
| Radius                 | 34.0    |         | 43.0    |        | 53.0    |        | 63.0    |        |

| Load<br>Radius<br>(ft) | 80.0 ft |        | 90.0 ft |        | 98.7 ft |        |
|------------------------|---------|--------|---------|--------|---------|--------|
|                        |         | 360°   |         | 360°   |         | 360°   |
| 12.0                   | 79.5    | 62,800 |         |        |         |        |
| 15.0                   | 77.0    | 56,700 | 79.5    | 56,400 |         |        |
| 20.0                   | 73.0    | 31,500 | 75.5    | 31,200 | 77.0    | 31,000 |
| 25.0                   | 69.0    | 20,500 | 72.0    | 20,300 | 74.0    | 20,100 |
| 30.0                   | 65.0    | 14,300 | 68.0    | 14,100 | 70.5    | 13,900 |
| 35.0                   | 61.0    | 10,400 | 64.5    | 10,200 | 67.0    | 10,100 |
| 40.0                   | 56.5    | 7,600  | 61.0    | 7,500  | 64.0    | 7,400  |
| 45.0                   | 52.0    | 5,600  | 57.0    | 5,500  | 60.5    | 5,400  |
| 50.0                   | 47.0    | 3,900  | 53.0    | 3,900  | 57.0    | 3,800  |
| 55.0                   | 41.5    | 2,700  | 48.5    | 2,600  | 53.5    | 2,600  |
| 60.0                   | 35.5    | 1,600  | 44.0    | 1,600  | 49.5    | 1,500  |
| Min.Bm.<br>Ang./Cap.   | 30.0    |        | 40.0    |        | 47.0    |        |
| Radius                 | 64.0    |        | 63.8    |        | 63.0    |        |

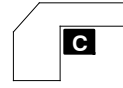
**SN: P9L4-7599**



**Fixed Boom Lengths  
Rated Lifting Capacities  
In Pounds  
See Operation Note 10.**



**Intermediate**



**2,200 lb**

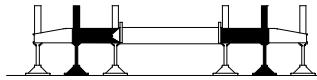


| Load Radius (ft)  | 41.0 ft        |         | 47.0 ft        |         |
|-------------------|----------------|---------|----------------|---------|
|                   | $\angle^\circ$ | 360°    | $\angle^\circ$ | 360°    |
| 10.0              | 70.0           | 125,700 | 73.0           | 110,700 |
| 12.0              | 66.5           | 91,000  | 70.0           | 93,800  |
| 15.0              | 61.5           | 51,800  | 66.0           | 53,900  |
| 20.0              | 53.0           | 27,500  | 58.5           | 29,200  |
| 25.0              | 43.0           | 16,600  | 50.5           | 18,400  |
| 30.0              | 29.5           | 10,500  | 41.5           | 12,200  |
| 35.0              |                |         | 30.0           | 8,100   |
| Min.Bm. Ang./Cap. | 0.0            | 7,100   | 0.0            | 5,300   |
| Radius            | 34.0           |         | 40.0           |         |

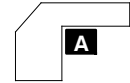
| Load Radius (ft)  | 61.3 ft        |         | 76.0 ft        |        |
|-------------------|----------------|---------|----------------|--------|
|                   | $\angle^\circ$ | 360°    | $\angle^\circ$ | 360°   |
| 10.0              | 77.5           | 106,900 |                |        |
| 12.0              | 75.5           | 96,400  | 79.0           | 81,000 |
| 15.0              | 72.0           | 55,800  | 76.5           | 55,500 |
| 20.0              | 67.0           | 30,700  | 72.0           | 30,500 |
| 25.0              | 61.5           | 19,800  | 67.5           | 19,600 |
| 30.0              | 56.0           | 13,600  | 63.5           | 13,500 |
| 35.0              | 49.5           | 9,700   | 59.0           | 9,600  |
| 40.0              | 43.0           | 6,800   | 54.5           | 6,900  |
| 45.0              | 35.0           | 4,800   | 49.5           | 4,800  |
| 50.0              | 24.5           | 3,200   | 44.0           | 3,200  |
| 55.0              |                |         | 38.0           | 2,000  |
| Min.Bm. Ang./Cap. | 0.0            | 2,000   | 31.5           |        |
| Radius            | 54.3           |         | 59.6           |        |

**SN: P9L4-7599**

**Rated Lifting Capacities  
In Pounds**



**Intermediate**



**3,600 lb**

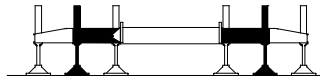


| Load<br>Radius<br>(ft) | 41.0 ft |         | 50.0 ft |        | 60.0 ft |        | 70.0 ft |        | 80.0 ft |        |
|------------------------|---------|---------|---------|--------|---------|--------|---------|--------|---------|--------|
|                        |         | 360°    |         | 360°   |         | 360°   |         | 360°   |         | 360°   |
| 10                     | 70.0    | 126,500 | 74.0    | 89,000 | 77.0    | 62,900 | 79.0    | 49,800 |         |        |
| 12                     | 66.5    | 100,200 | 71.5    | 87,100 | 75.0    | 58,500 | 77.5    | 46,500 | 79.5    | 42,400 |
| 15                     | 61.5    | 57,400  | 67.5    | 60,400 | 72.0    | 53,000 | 75.0    | 42,200 | 77.5    | 42,400 |
| 20                     | 53.0    | 31,000  | 61.0    | 33,300 | 66.5    | 35,000 | 70.5    | 36,100 | 73.5    | 36,500 |
| 25                     | 43.0    | 19,100  | 54.0    | 21,500 | 61.0    | 23,000 | 66.0    | 24,000 | 69.5    | 24,300 |
| 30                     | 29.5    | 12,400  | 46.0    | 14,700 | 55.0    | 16,300 | 61.0    | 17,200 | 65.5    | 17,500 |
| 35                     |         |         | 36.5    | 10,300 | 48.5    | 11,900 | 56.0    | 12,800 | 61.0    | 13,100 |
| 40                     |         |         | 23.5    | 7,300  | 41.5    | 8,800  | 50.5    | 9,800  | 56.5    | 10,100 |
| 45                     |         |         |         |        | 33.0    | 6,500  | 45.0    | 7,500  | 52.0    | 7,800  |
| 50                     |         |         |         |        | 21.5    | 4,800  | 38.5    | 5,700  | 47.0    | 6,100  |
| 55                     |         |         |         |        |         |        | 30.5    | 4,300  | 41.5    | 4,700  |
| 60                     |         |         |         |        |         |        | 19.5    | 3,200  | 35.5    | 3,500  |
| 65                     |         |         |         |        |         |        |         |        | 28.5    | 2,600  |
| 70                     |         |         |         |        |         |        |         |        | 18.5    | 1,800  |
| Min.Bm.<br>Ang./Cap.   | 0.0     | 8,800   | 0.0     | 5,800  | 0.0     | 3,900  | 0.0     | 2,600  | 0.0     | 1,400  |
| Radius (ft)            | 34.0    |         | 43.0    |        | 53.0    |        | 63.0    |        | 73.0    |        |

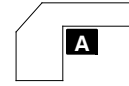
| Load<br>Radius<br>(ft) | 90.0 ft |        | 100.0 ft |        | 110.0 ft |        | 120.0 ft |        |
|------------------------|---------|--------|----------|--------|----------|--------|----------|--------|
|                        |         | 360°   |          | 360°   |          | 360°   |          | 360°   |
| 15                     | 79.0    | 36,700 |          |        |          |        |          |        |
| 20                     | 76.0    | 36,700 | 77.5     | 30,700 | 79.0     | 29,100 |          |        |
| 25                     | 72.5    | 24,500 | 74.5     | 24,600 | 76.5     | 24,200 | 78.0     | 24,000 |
| 30                     | 68.5    | 17,700 | 71.5     | 17,700 | 73.5     | 17,400 | 75.5     | 17,100 |
| 35                     | 65.0    | 13,300 | 68.0     | 13,300 | 70.5     | 13,000 | 72.5     | 12,800 |
| 40                     | 61.0    | 10,300 | 64.5     | 10,300 | 67.5     | 10,100 | 70.0     | 9,900  |
| 45                     | 57.5    | 8,100  | 61.5     | 8,100  | 64.5     | 7,900  | 67.0     | 7,600  |
| 50                     | 53.5    | 6,300  | 58.0     | 6,400  | 61.5     | 6,100  | 64.5     | 5,900  |
| 55                     | 49.0    | 4,900  | 54.0     | 5,000  | 58.0     | 4,800  | 61.5     | 4,600  |
| 60                     | 44.5    | 3,800  | 50.5     | 3,900  | 55.0     | 3,700  | 58.5     | 3,500  |
| 65                     | 39.5    | 2,800  | 46.5     | 2,900  | 51.5     | 2,700  | 55.5     | 2,600  |
| 70                     | 33.5    | 2,100  | 42.0     | 2,100  | 48.0     | 2,000  | 52.5     | 1,800  |
| 75                     | 26.5    | 1,400  | 37.0     | 1,500  | 44.0     | 1,300  | 49.0     | 1,100  |
| Min.Bm.<br>Ang./Cap.   | 19.0    |        | 32.0     |        | 41.5     |        | 51.5     |        |
| Radius (ft)            | 79.2    |        | 80.0     |        | 78.3     |        | 76.0     |        |

**SN: P9L4-7599**

**Rated Lifting Capacities  
In Pounds**



**Intermediate**



**3,600 lb**

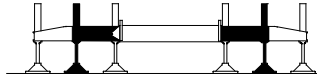


| Load<br>Radius<br>(ft) | 41.0 ft    |         | 50.0 ft    |        | 60.0 ft    |        | 70.0 ft    |        |
|------------------------|------------|---------|------------|--------|------------|--------|------------|--------|
|                        | $\angle$ ° | 360°    | $\angle$ ° | 360°   | $\angle$ ° | 360°   | $\angle$ ° | 360°   |
| 10                     | 70.0       | 126,500 | 74.0       | 89,000 | 77.0       | 77,000 | 79.5       | 74,000 |
| 12                     | 66.5       | 100,200 | 71.5       | 87,100 | 75.0       | 72,200 | 77.5       | 74,000 |
| 15                     | 61.5       | 57,400  | 67.5       | 60,400 | 72.0       | 62,100 | 75.0       | 62,800 |
| 20                     | 53.0       | 31,000  | 61.0       | 33,300 | 66.5       | 34,600 | 70.5       | 35,200 |
| 25                     | 43.0       | 19,100  | 54.0       | 21,500 | 61.0       | 22,700 | 65.5       | 23,200 |
| 30                     | 29.5       | 12,400  | 46.0       | 14,700 | 55.0       | 16,000 | 61.0       | 16,500 |
| 35                     |            |         | 36.5       | 10,300 | 48.5       | 11,600 | 56.0       | 12,200 |
| 40                     |            |         | 23.5       | 7,300  | 41.5       | 8,500  | 50.5       | 9,100  |
| 45                     |            |         |            |        | 33.0       | 6,200  | 44.5       | 6,800  |
| 50                     |            |         |            |        | 21.5       | 4,500  | 38.0       | 5,100  |
| 55                     |            |         |            |        |            |        | 30.5       | 3,700  |
| 60                     |            |         |            |        |            |        | 19.5       | 2,600  |
| Min.Bm.<br>Ang./Cap.   | 0.0        | 8,800   | 0.0        | 5,800  | 0.0        | 3,600  | 0.0        | 2,000  |
| Radius (ft)            | 34.0       |         | 43.0       |        | 53.0       |        | 63.0       |        |

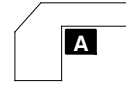
| Load<br>Radius<br>(ft) | 80.0 ft    |        | 90.0 ft    |        | 100.0 ft   |        | 110.0 ft   |        |
|------------------------|------------|--------|------------|--------|------------|--------|------------|--------|
|                        | $\angle$ ° | 360°   | $\angle$ ° | 360°   | $\angle$ ° | 360°   | $\angle$ ° | 360°   |
| 12                     | 79.5       | 57,000 |            |        |            |        |            |        |
| 15                     | 77.5       | 51,900 | 79.5       | 48,700 |            |        |            |        |
| 20                     | 73.5       | 35,700 | 76.0       | 35,600 | 78.0       | 35,300 |            |        |
| 25                     | 69.5       | 23,600 | 72.0       | 23,500 | 74.5       | 23,300 | 77.0       | 23,000 |
| 30                     | 65.0       | 16,800 | 68.5       | 16,700 | 71.0       | 16,500 | 74.0       | 16,300 |
| 35                     | 61.0       | 12,600 | 65.0       | 12,500 | 68.0       | 12,300 | 71.0       | 12,100 |
| 40                     | 56.5       | 9,500  | 61.0       | 9,500  | 64.5       | 9,300  | 68.0       | 9,100  |
| 45                     | 52.0       | 7,300  | 57.0       | 7,300  | 61.0       | 7,100  | 65.5       | 6,900  |
| 50                     | 47.0       | 5,500  | 53.0       | 5,500  | 57.5       | 5,400  | 62.5       | 5,200  |
| 55                     | 41.5       | 4,100  | 49.0       | 4,200  | 54.0       | 4,000  | 59.0       | 3,900  |
| 60                     | 35.5       | 3,000  | 44.0       | 3,000  | 50.5       | 2,900  | 56.0       | 2,800  |
| 65                     | 28.5       | 2,100  | 39.0       | 2,100  | 46.0       | 2,000  | 53.0       | 1,900  |
| 70                     | 18.5       | 1,300  | 33.5       | 1,300  | 42.0       | 1,200  | 49.5       | 1,100  |
| Min.Bm.<br>Ang./Cap.   | 0.0        | 900    | 29.0       |        | 40.0       |        | 48.5       |        |
| Radius (ft)            | 73.0       |        | 73.3       |        | 72.1       |        | 71.4       |        |

**SN: P9L4-7599**

**Rated Lifting Capacities  
In Pounds**



**Intermediate**



**3,600 lb**

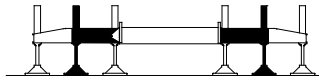


| Load<br>Radius<br>(ft) | 41.0 ft    |         | 50.0 ft    |        | 60.0 ft    |        | 70.0 ft    |        |
|------------------------|------------|---------|------------|--------|------------|--------|------------|--------|
|                        | $\angle$ ° | 360°    | $\angle$ ° | 360°   | $\angle$ ° | 360°   | $\angle$ ° | 360°   |
| 10                     | 70.0       | 126,500 | 74.0       | 89,000 | 77.0       | 77,000 | 79.5       | 74,400 |
| 12                     | 66.5       | 100,200 | 71.5       | 87,100 | 75.0       | 72,200 | 77.5       | 74,300 |
| 15                     | 61.5       | 57,400  | 67.5       | 60,400 | 72.0       | 62,100 | 75.0       | 62,800 |
| 20                     | 53.0       | 31,000  | 61.0       | 33,300 | 66.5       | 34,600 | 70.5       | 35,200 |
| 25                     | 43.0       | 19,100  | 54.0       | 21,500 | 61.0       | 22,700 | 65.5       | 23,200 |
| 30                     | 29.5       | 12,400  | 46.0       | 14,700 | 55.0       | 16,000 | 61.0       | 16,400 |
| 35                     |            |         | 36.5       | 10,300 | 48.5       | 11,600 | 56.0       | 12,200 |
| 40                     |            |         | 23.5       | 7,300  | 41.5       | 8,500  | 50.5       | 9,100  |
| 45                     |            |         |            |        | 33.0       | 6,200  | 44.5       | 6,800  |
| 50                     |            |         |            |        | 21.5       | 4,500  | 38.0       | 5,000  |
| 55                     |            |         |            |        |            |        | 30.5       | 3,700  |
| 60                     |            |         |            |        |            |        | 19.5       | 2,500  |
| Min.Bm.<br>Ang./Cap.   | 0.0        | 8,800   | 0.0        | 5,800  | 0.0        | 3,600  | 0.0        | 1,900  |
| Radius (ft)            | 34.0       |         | 43.0       |        | 53.0       |        | 63.0       |        |

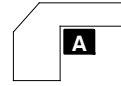
| Load<br>Radius<br>(ft) | 80.0 ft    |        | 90.0 ft    |        | 98.7 ft    |        |
|------------------------|------------|--------|------------|--------|------------|--------|
|                        | $\angle$ ° | 360°   | $\angle$ ° | 360°   | $\angle$ ° | 360°   |
| 12                     | 79.5       | 62,800 |            |        |            |        |
| 15                     | 77.5       | 62,400 | 79.5       | 61,400 |            |        |
| 20                     | 73.0       | 34,900 | 75.5       | 34,700 | 77.5       | 34,500 |
| 25                     | 69.0       | 22,900 | 72.0       | 22,700 | 74.0       | 22,600 |
| 30                     | 65.0       | 16,200 | 68.5       | 16,000 | 71.0       | 15,900 |
| 35                     | 61.0       | 12,000 | 64.5       | 11,800 | 67.5       | 11,700 |
| 40                     | 56.5       | 9,000  | 61.0       | 8,800  | 64.0       | 8,700  |
| 45                     | 52.0       | 6,700  | 57.0       | 6,600  | 60.5       | 6,500  |
| 50                     | 47.0       | 5,000  | 53.0       | 4,900  | 57.0       | 4,800  |
| 55                     | 41.5       | 3,600  | 49.0       | 3,500  | 53.5       | 3,500  |
| 60                     | 35.5       | 2,500  | 44.0       | 2,400  | 49.5       | 2,400  |
| 65                     | 28.5       | 1,500  | 39.0       | 1,500  | 45.5       | 1,400  |
| Min.Bm.<br>Ang./Cap.   | 19.5       |        | 35.0       |        | 42.5       |        |
| Radius (ft)            | 69.3       |        | 68.8       |        | 68.6       |        |

**SN: P9L4-7599**

**Fixed Boom Lengths  
Rated Lifting Capacities  
In Pounds  
See Operation Note 10.**



**Intermediate**



**3,600 lb**

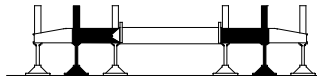


| Load<br>Radius<br>(ft) | 41.0 ft        |         | 47.0 ft        |         |
|------------------------|----------------|---------|----------------|---------|
|                        | $\angle^\circ$ | 360°    | $\angle^\circ$ | 360°    |
| 10                     | 70.0           | 126,500 | 73.0           | 110,700 |
| 12                     | 66.5           | 100,200 | 70.0           | 103,000 |
| 15                     | 61.5           | 57,400  | 66.0           | 59,500  |
| 20                     | 53.0           | 31,000  | 58.5           | 32,600  |
| 25                     | 43.0           | 19,100  | 50.5           | 20,800  |
| 30                     | 29.5           | 12,400  | 41.5           | 14,000  |
| 35                     |                |         | 30.5           | 9,700   |
| Min.Bm.<br>Ang./Cap.   | 0.0            | 8,800   | 0.0            | 6,600   |
| Radius (ft)            | 34.0           |         | 40.0           |         |

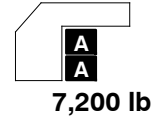
| Load<br>Radius<br>(ft) | 61.3 ft        |         | 76.0 ft        |        |
|------------------------|----------------|---------|----------------|--------|
|                        | $\angle^\circ$ | 360°    | $\angle^\circ$ | 360°   |
| 10                     | 77.5           | 106,900 |                |        |
| 12                     | 75.5           | 105,600 | 79.0           | 81,000 |
| 15                     | 72.5           | 61,400  | 76.5           | 61,100 |
| 20                     | 67.0           | 34,100  | 72.0           | 33,900 |
| 25                     | 61.5           | 22,300  | 68.0           | 22,100 |
| 30                     | 56.0           | 15,600  | 63.5           | 15,400 |
| 35                     | 49.5           | 11,300  | 59.0           | 11,200 |
| 40                     | 43.0           | 8,200   | 54.5           | 8,200  |
| 45                     | 35.0           | 5,900   | 49.5           | 6,000  |
| 50                     | 24.5           | 4,200   | 44.0           | 4,200  |
| 55                     |                |         | 38.0           | 2,900  |
| 60                     |                |         | 30.5           | 1,800  |
| Min.Bm.<br>Ang./Cap.   | 0.0            | 2,900   | 22.5           |        |
| Radius (ft)            | 54.3           |         | 64.6           |        |

**SN: P9L4-7599**

**Rated Lifting Capacities  
In Pounds**



**Intermediate**

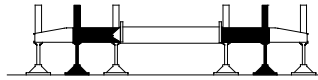


| Load Radius (ft)  | 41.0 ft |         | 50.0 ft |        | 60.0 ft |        | 70.0 ft |        | 80.0 ft |        |
|-------------------|---------|---------|---------|--------|---------|--------|---------|--------|---------|--------|
|                   |         | 360°    |         | 360°   |         | 360°   |         | 360°   |         | 360°   |
| 10                | 70.0    | 129,200 | 74.0    | 89,000 | 77.0    | 62,900 | 79.0    | 49,800 |         |        |
| 12                | 66.5    | 109,600 | 71.5    | 87,100 | 75.0    | 58,500 | 77.5    | 46,500 | 79.5    | 42,400 |
| 15                | 62.0    | 64,700  | 67.5    | 67,700 | 72.0    | 53,000 | 75.0    | 42,200 | 77.5    | 42,400 |
| 20                | 53.0    | 35,400  | 61.0    | 37,800 | 66.5    | 39,400 | 70.5    | 36,400 | 73.5    | 37,900 |
| 25                | 43.0    | 22,300  | 54.0    | 24,700 | 61.0    | 26,200 | 66.0    | 27,100 | 69.5    | 27,400 |
| 30                | 29.5    | 14,900  | 46.0    | 17,200 | 55.0    | 18,800 | 61.0    | 19,700 | 65.5    | 19,900 |
| 35                |         |         | 36.5    | 12,400 | 48.5    | 13,900 | 56.0    | 14,900 | 61.0    | 15,100 |
| 40                |         |         | 23.5    | 9,000  | 41.5    | 10,500 | 51.0    | 11,500 | 57.0    | 11,800 |
| 45                |         |         |         |        | 33.0    | 8,000  | 45.0    | 9,000  | 52.0    | 9,300  |
| 50                |         |         |         |        | 21.5    | 6,100  | 38.5    | 7,000  | 47.5    | 7,400  |
| 55                |         |         |         |        |         |        | 30.5    | 5,500  | 42.0    | 5,800  |
| 60                |         |         |         |        |         |        | 19.5    | 4,300  | 35.5    | 4,600  |
| 65                |         |         |         |        |         |        |         |        | 28.5    | 3,600  |
| 70                |         |         |         |        |         |        |         |        | 18.5    | 2,700  |
| Min.Bm. Ang./Cap. | 0.0     | 10,900  | 0.0     | 7,400  | 0.0     | 5,100  | 0.0     | 3,600  | 0.0     | 2,300  |
| Radius (ft)       | 34.0    |         | 43.0    |        | 53.0    |        | 63.0    |        | 73.0    |        |

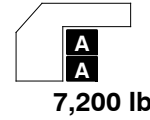
| Load Radius (ft)  | 90.0 ft |        | 100.0 ft |        | 110.0 ft |        | 120.0 ft |        | 127.0 ft |        |
|-------------------|---------|--------|----------|--------|----------|--------|----------|--------|----------|--------|
|                   |         | 360°   |          | 360°   |          | 360°   |          | 360°   |          | 360°   |
| 15                | 79.0    | 36,700 |          |        |          |        |          |        |          |        |
| 20                | 76.0    | 36,700 | 77.5     | 30,700 | 79.0     | 29,100 |          |        |          |        |
| 25                | 72.5    | 27,600 | 75.0     | 27,600 | 77.0     | 27,300 | 78.5     | 25,500 | 79.0     | 22,600 |
| 30                | 69.0    | 20,100 | 71.5     | 20,200 | 73.5     | 19,900 | 75.5     | 19,600 | 77.0     | 19,500 |
| 35                | 65.0    | 15,300 | 68.0     | 15,300 | 70.5     | 15,000 | 73.0     | 14,800 | 74.0     | 14,700 |
| 40                | 61.5    | 12,000 | 65.0     | 12,100 | 67.5     | 11,800 | 70.0     | 11,600 | 71.5     | 11,500 |
| 45                | 57.5    | 9,600  | 61.5     | 9,600  | 64.5     | 9,300  | 67.5     | 9,100  | 69.0     | 9,000  |
| 50                | 53.5    | 7,600  | 58.0     | 7,700  | 61.5     | 7,500  | 64.5     | 7,300  | 66.5     | 7,100  |
| 55                | 49.0    | 6,100  | 54.5     | 6,200  | 58.5     | 6,000  | 61.5     | 5,800  | 63.5     | 5,600  |
| 60                | 44.5    | 4,900  | 50.5     | 4,900  | 55.0     | 4,800  | 58.5     | 4,600  | 61.0     | 4,400  |
| 65                | 39.5    | 3,800  | 46.5     | 3,900  | 51.5     | 3,700  | 55.5     | 3,600  | 58.0     | 3,400  |
| 70                | 33.5    | 3,000  | 42.0     | 3,000  | 48.0     | 2,900  | 52.5     | 2,700  | 55.5     | 2,600  |
| 75                | 27.0    | 2,200  | 37.5     | 2,300  | 44.0     | 2,100  | 49.5     | 2,000  | 52.5     | 1,900  |
| 80                | 17.5    | 1,600  | 32.0     | 1,700  | 40.0     | 1,500  | 46.0     | 1,300  | 49.0     | 1,200  |
| 85                |         |        | 25.5     | 1,100  |          |        |          |        |          |        |
| Min.Bm. Ang./Cap. | 0.0     | 1,300  | 22.0     |        | 35.5     |        | 43.0     |        | 47.0     |        |
| Radius (ft)       | 83.0    |        | 87.0     |        | 85.0     |        | 84.0     |        | 83.0     |        |

**SN: P9L4-7599**

**Rated Lifting Capacities  
In Pounds**



**Intermediate**



**7,200 lb**

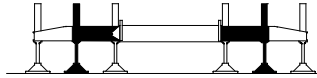


| Load<br>Radius<br>(ft) | 41.0 ft    |         | 50.0 ft    |        | 60.0 ft    |        | 70.0 ft    |        |
|------------------------|------------|---------|------------|--------|------------|--------|------------|--------|
|                        | $\angle$ ° | 360°    | $\angle$ ° | 360°   | $\angle$ ° | 360°   | $\angle$ ° | 360°   |
| 10                     | 70.0       | 129,200 | 74.0       | 89,000 | 77.0       | 77,000 | 79.5       | 74,000 |
| 12                     | 66.5       | 109,600 | 71.5       | 87,100 | 75.0       | 72,200 | 77.5       | 74,000 |
| 15                     | 62.0       | 64,700  | 67.5       | 67,700 | 72.0       | 66,000 | 75.0       | 68,500 |
| 20                     | 53.0       | 35,400  | 61.0       | 37,800 | 66.5       | 39,000 | 70.5       | 39,600 |
| 25                     | 43.0       | 22,300  | 54.0       | 24,700 | 61.0       | 25,800 | 66.0       | 26,300 |
| 30                     | 29.5       | 14,900  | 46.0       | 17,200 | 55.0       | 18,500 | 61.0       | 18,900 |
| 35                     |            |         | 36.5       | 12,400 | 48.5       | 13,600 | 56.0       | 14,200 |
| 40                     |            |         | 23.5       | 9,000  | 41.5       | 10,200 | 50.5       | 10,900 |
| 45                     |            |         |            |        | 33.0       | 7,700  | 44.5       | 8,300  |
| 50                     |            |         |            |        | 21.5       | 5,800  | 38.0       | 6,400  |
| 55                     |            |         |            |        |            |        | 30.5       | 4,900  |
| 60                     |            |         |            |        |            |        | 19.5       | 3,700  |
| Min.Bm.<br>Ang./Cap.   | 0.0        | 10,900  | 0.0        | 7,400  | 0.0        | 4,800  | 0.0        | 3,000  |
| Radius (ft)            | 34.0       |         | 43.0       |        | 53.0       |        | 63.0       |        |

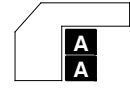
| Load<br>Radius<br>(ft) | 80.0 ft    |        | 90.0 ft    |        | 100.0 ft   |        | 113.1 ft   |        |
|------------------------|------------|--------|------------|--------|------------|--------|------------|--------|
|                        | $\angle$ ° | 360°   | $\angle$ ° | 360°   | $\angle$ ° | 360°   | $\angle$ ° | 360°   |
| 12                     | 79.5       | 57,000 |            |        |            |        |            |        |
| 15                     | 77.5       | 51,900 | 79.5       | 48,700 |            |        |            |        |
| 20                     | 73.5       | 40,000 | 76.0       | 39,900 | 78.0       | 39,600 |            |        |
| 25                     | 69.5       | 26,700 | 72.0       | 26,600 | 74.5       | 26,400 | 77.5       | 26,100 |
| 30                     | 65.5       | 19,300 | 68.5       | 19,200 | 71.5       | 19,000 | 74.0       | 18,800 |
| 35                     | 61.0       | 14,500 | 65.0       | 14,400 | 68.0       | 14,200 | 71.5       | 14,000 |
| 40                     | 56.5       | 11,300 | 61.0       | 11,200 | 64.5       | 11,000 | 68.5       | 10,800 |
| 45                     | 52.0       | 8,800  | 57.5       | 8,800  | 61.5       | 8,600  | 65.5       | 8,400  |
| 50                     | 47.0       | 6,800  | 53.0       | 6,900  | 58.0       | 6,700  | 62.5       | 6,500  |
| 55                     | 41.5       | 5,300  | 49.0       | 5,300  | 54.0       | 5,200  | 59.5       | 5,000  |
| 60                     | 35.5       | 4,100  | 44.5       | 4,100  | 50.5       | 4,000  | 56.0       | 3,900  |
| 65                     | 28.5       | 3,000  | 39.5       | 3,100  | 46.5       | 3,000  | 53.0       | 2,800  |
| 70                     | 18.5       | 2,200  | 33.5       | 2,200  | 42.0       | 2,100  | 49.5       | 2,000  |
| 75                     |            |        | 26.5       | 1,500  | 37.0       | 1,400  | 46.0       | 1,300  |
| Min.Bm.<br>Ang./Cap.   | 0.0        | 1,700  | 17.5       |        | 33.5       |        | 43.5       |        |
| Radius (ft)            | 73.0       |        | 80.0       |        | 78.6       |        | 77.9       |        |

**SN: P9L4-7599**

**Rated Lifting Capacities  
In Pounds**



**Intermediate**



**7,200 lb**



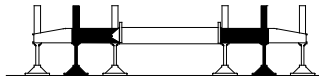
| Load<br>Radius<br>(ft) | 41.0 ft    |         | 50.0 ft    |        | 60.0 ft    |        | 70.0 ft    |        |
|------------------------|------------|---------|------------|--------|------------|--------|------------|--------|
|                        | $\angle$ ° | 360°    | $\angle$ ° | 360°   | $\angle$ ° | 360°   | $\angle$ ° | 360°   |
| 10                     | 70.0       | 129,200 | 74.0       | 89,000 | 77.0       | 77,000 | 79.5       | 74,400 |
| 12                     | 66.5       | 109,600 | 71.5       | 87,100 | 75.0       | 72,200 | 77.5       | 74,300 |
| 15                     | 62.0       | 64,700  | 67.5       | 67,700 | 72.0       | 66,000 | 75.0       | 68,700 |
| 20                     | 53.0       | 35,400  | 61.0       | 37,800 | 66.5       | 39,000 | 70.5       | 39,500 |
| 25                     | 43.0       | 22,300  | 54.0       | 24,700 | 61.0       | 25,800 | 65.5       | 26,300 |
| 30                     | 29.5       | 14,900  | 46.0       | 17,200 | 55.0       | 18,500 | 61.0       | 18,900 |
| 35                     |            |         | 36.5       | 12,400 | 48.5       | 13,600 | 56.0       | 14,100 |
| 40                     |            |         | 23.5       | 9,000  | 41.5       | 10,200 | 50.5       | 10,800 |
| 45                     |            |         |            |        | 33.0       | 7,700  | 44.5       | 8,300  |
| 50                     |            |         |            |        | 21.5       | 5,800  | 38.0       | 6,400  |
| 55                     |            |         |            |        |            |        | 30.5       | 4,800  |
| 60                     |            |         |            |        |            |        | 19.5       | 3,600  |
| Min.Bm.<br>Ang./Cap.   | 0.0        | 10,900  | 0.0        | 7,400  | 0.0        | 4,800  | 0.0        | 3,000  |
| Radius (ft)            | 34.0       |         | 43.0       |        | 53.0       |        | 63.0       |        |

| Load<br>Radius<br>(ft) | 80.0 ft    |        | 90.0 ft    |        | 98.7 ft    |        |
|------------------------|------------|--------|------------|--------|------------|--------|
|                        | $\angle$ ° | 360°   | $\angle$ ° | 360°   | $\angle$ ° | 360°   |
| 12                     | 79.5       | 62,800 |            |        |            |        |
| 15                     | 77.5       | 62,800 | 79.5       | 61,400 |            |        |
| 20                     | 73.5       | 39,200 | 76.0       | 39,000 | 77.5       | 38,800 |
| 25                     | 69.0       | 26,000 | 72.0       | 25,800 | 74.5       | 25,700 |
| 30                     | 65.0       | 18,700 | 68.5       | 18,500 | 71.0       | 18,400 |
| 35                     | 61.0       | 13,900 | 65.0       | 13,700 | 67.5       | 13,600 |
| 40                     | 56.5       | 10,700 | 61.0       | 10,500 | 64.5       | 10,400 |
| 45                     | 52.0       | 8,200  | 57.0       | 8,100  | 61.0       | 8,000  |
| 50                     | 47.0       | 6,300  | 53.0       | 6,200  | 57.5       | 6,200  |
| 55                     | 41.5       | 4,800  | 49.0       | 4,700  | 53.5       | 4,700  |
| 60                     | 35.5       | 3,500  | 44.5       | 3,500  | 49.5       | 3,400  |
| 65                     | 28.5       | 2,500  | 39.0       | 2,500  | 45.5       | 2,400  |
| 70                     | 18.0       | 1,700  | 33.5       | 1,600  | 41.0       | 1,600  |
| Min.Bm.<br>Ang./Cap.   | 0.0        | 1,200  | 26.5       |        | 37.0       |        |
| Radius (ft)            | 73.0       |        | 75.0       |        | 74.2       |        |

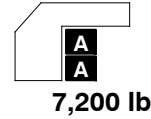
**SN: P9L4-7599**



**Fixed Boom Lengths  
Rated Lifting Capacities  
In Pounds  
See Operation Note 10.**



**Intermediate**



**7,200 lb**

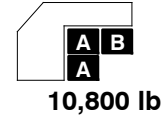
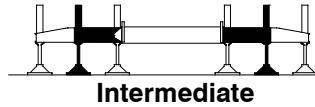


| Load Radius (ft)  | 41.0 ft        |         | 47.0 ft        |         |
|-------------------|----------------|---------|----------------|---------|
|                   | $\angle^\circ$ | 360°    | $\angle^\circ$ | 360°    |
| 10                | 70.0           | 129,200 | 73.0           | 110,700 |
| 12                | 66.5           | 109,600 | 70.0           | 105,000 |
| 15                | 62.0           | 64,700  | 66.0           | 66,800  |
| 20                | 53.0           | 35,400  | 58.5           | 37,100  |
| 25                | 43.0           | 22,300  | 51.0           | 24,000  |
| 30                | 29.5           | 14,900  | 41.5           | 16,500  |
| 35                |                |         | 30.5           | 11,700  |
| Min.Bm. Ang./Cap. | 0.0            | 10,900  | 0.0            | 8,300   |
| Radius (ft)       | 34.0           |         | 40.0           |         |

| Load Radius (ft)  | 61.3 ft        |         | 76.0 ft        |        |
|-------------------|----------------|---------|----------------|--------|
|                   | $\angle^\circ$ | 360°    | $\angle^\circ$ | 360°   |
| 10                | 77.5           | 106,900 |                |        |
| 12                | 75.5           | 106,900 | 79.0           | 81,000 |
| 15                | 72.5           | 68,700  | 76.5           | 68,300 |
| 20                | 67.0           | 38,500  | 72.0           | 38,300 |
| 25                | 61.5           | 25,400  | 68.0           | 25,300 |
| 30                | 56.0           | 18,000  | 63.5           | 17,900 |
| 35                | 49.5           | 13,200  | 59.0           | 13,200 |
| 40                | 43.0           | 9,900   | 54.5           | 10,000 |
| 45                | 35.0           | 7,400   | 49.5           | 7,500  |
| 50                | 24.5           | 5,500   | 44.0           | 5,600  |
| 55                |                |         | 38.0           | 4,100  |
| 60                |                |         | 31.0           | 2,800  |
| 65                |                |         | 21.5           | 1,800  |
| Min.Bm. Ang./Cap. | 0.0            | 4,100   | 0.0            | 1,100  |
| Radius (ft)       | 54.3           |         | 69.0           |        |

**SN: P9L4-7599**

**Rated Lifting Capacities  
In Pounds**

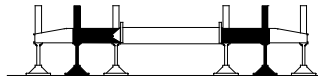


| Load<br>Radius<br>(ft) | 41.0 ft        |         | 50.0 ft        |        | 60.0 ft        |        | 70.0 ft        |        | 80.0 ft        |        |
|------------------------|----------------|---------|----------------|--------|----------------|--------|----------------|--------|----------------|--------|
|                        | ⌵ <sup>°</sup> | 360°    | ⌵ <sup>°</sup> | 360°   | ⌵ <sup>°</sup> | 360°   | ⌵ <sup>°</sup> | 360°   | ⌵ <sup>°</sup> | 360°   |
| 10                     | 70.0           | 132,000 | 74.0           | 89,000 | 77.0           | 62,900 | 79.0           | 49,800 |                |        |
| 12                     | 66.5           | 113,100 | 71.5           | 87,100 | 75.0           | 58,500 | 77.5           | 46,500 | 79.5           | 42,400 |
| 15                     | 62.0           | 72,000  | 68.0           | 75,000 | 72.0           | 53,000 | 75.0           | 42,200 | 77.5           | 42,400 |
| 20                     | 53.0           | 39,800  | 61.0           | 42,200 | 67.0           | 43,800 | 70.5           | 36,400 | 73.5           | 37,900 |
| 25                     | 43.0           | 25,500  | 54.0           | 27,800 | 61.0           | 29,400 | 66.0           | 30,300 | 70.0           | 30,600 |
| 30                     | 29.5           | 17,400  | 46.0           | 19,700 | 55.0           | 21,300 | 61.5           | 22,200 | 65.5           | 22,400 |
| 35                     |                |         | 36.5           | 14,400 | 49.0           | 15,900 | 56.5           | 16,900 | 61.5           | 17,200 |
| 40                     |                |         | 23.5           | 10,700 | 41.5           | 12,300 | 51.0           | 13,200 | 57.0           | 13,500 |
| 45                     |                |         |                |        | 33.0           | 9,500  | 45.0           | 10,500 | 52.5           | 10,800 |
| 50                     |                |         |                |        | 21.5           | 7,400  | 38.5           | 8,400  | 47.5           | 8,700  |
| 55                     |                |         |                |        |                |        | 30.5           | 6,700  | 42.0           | 7,000  |
| 60                     |                |         |                |        |                |        | 20.0           | 5,300  | 36.0           | 5,700  |
| 65                     |                |         |                |        |                |        |                |        | 28.5           | 4,600  |
| 70                     |                |         |                |        |                |        |                |        | 18.5           | 3,600  |
| Min.Bm.<br>Ang./Cap.   | 0.0            | 13,000  | 0.0            | 9,000  | 0.0            | 6,400  | 0.0            | 4,600  | 0.0            | 3,100  |
| Radius (ft)            | 34.0           |         | 43.0           |        | 53.0           |        | 63.0           |        | 73.0           |        |

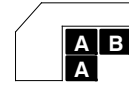
| Load<br>Radius<br>(ft) | 90.0 ft        |        | 100.0 ft       |        | 110.0 ft       |        | 120.0 ft       |        | 127.0 ft       |        |
|------------------------|----------------|--------|----------------|--------|----------------|--------|----------------|--------|----------------|--------|
|                        | ⌵ <sup>°</sup> | 360°   | ⌵ <sup>°</sup> | 360°   | ⌵ <sup>°</sup> | 360°   | ⌵ <sup>°</sup> | 360°   | ⌵ <sup>°</sup> | 360°   |
| 15                     | 79.0           | 36,700 |                |        |                |        |                |        |                |        |
| 20                     | 76.0           | 36,700 | 77.5           | 30,700 | 79.0           | 29,100 |                |        |                |        |
| 25                     | 72.5           | 30,800 | 75.0           | 30,700 | 77.0           | 29,100 | 78.5           | 25,500 | 79.0           | 22,600 |
| 30                     | 69.0           | 22,600 | 71.5           | 22,700 | 74.0           | 22,400 | 76.0           | 22,100 | 77.0           | 22,000 |
| 35                     | 65.5           | 17,300 | 68.5           | 17,400 | 71.0           | 17,100 | 73.0           | 16,800 | 74.5           | 16,700 |
| 40                     | 61.5           | 13,700 | 65.0           | 13,700 | 68.0           | 13,400 | 70.0           | 13,200 | 71.5           | 13,000 |
| 45                     | 57.5           | 11,100 | 61.5           | 11,100 | 65.0           | 10,800 | 67.5           | 10,600 | 69.0           | 10,500 |
| 50                     | 53.5           | 9,000  | 58.0           | 9,000  | 61.5           | 8,800  | 64.5           | 8,600  | 66.5           | 8,500  |
| 55                     | 49.0           | 7,300  | 54.5           | 7,400  | 58.5           | 7,200  | 62.0           | 7,000  | 64.0           | 6,800  |
| 60                     | 44.5           | 5,900  | 50.5           | 6,000  | 55.0           | 5,800  | 59.0           | 5,600  | 61.0           | 5,500  |
| 65                     | 39.5           | 4,800  | 46.5           | 4,900  | 51.5           | 4,700  | 56.0           | 4,500  | 58.5           | 4,400  |
| 70                     | 33.5           | 3,900  | 42.0           | 3,900  | 48.0           | 3,800  | 53.0           | 3,600  | 55.5           | 3,500  |
| 75                     | 27.0           | 3,000  | 37.5           | 3,100  | 44.5           | 3,000  | 49.5           | 2,800  | 52.5           | 2,700  |
| 80                     | 17.5           | 2,400  | 32.0           | 2,400  | 40.0           | 2,300  | 46.0           | 2,100  | 49.5           | 2,000  |
| 85                     |                |        | 25.5           | 1,800  | 35.5           | 1,700  | 42.5           | 1,500  | 46.0           | 1,400  |
| 90                     |                |        | 16.5           | 1,300  | 30.5           | 1,100  | 38.5           | 1,000  |                |        |
| Min.Bm.<br>Ang./Cap.   | 0.0            | 2,000  | 0.0            | 1,000  | 27.5           |        | 37.5           |        | 42.5           |        |
| Radius (ft)            | 83.0           |        | 93.0           |        | 92.5           |        | 91.0           |        | 90.0           |        |

SN: P9L4-7599

**Rated Lifting Capacities  
In Pounds**



**Intermediate**



**10,800 lb**

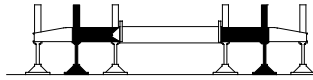


| Load<br>Radius<br>(ft) | 41.0 ft    |         | 50.0 ft    |        | 60.0 ft    |        | 70.0 ft    |        |
|------------------------|------------|---------|------------|--------|------------|--------|------------|--------|
|                        | $\angle$ ° | 360°    | $\angle$ ° | 360°   | $\angle$ ° | 360°   | $\angle$ ° | 360°   |
| 10                     | 70.0       | 132,000 | 74.0       | 89,000 | 77.0       | 77,000 | 79.5       | 74,000 |
| 12                     | 66.5       | 113,100 | 71.5       | 87,100 | 75.0       | 72,200 | 77.5       | 74,000 |
| 15                     | 62.0       | 72,000  | 68.0       | 75,000 | 72.0       | 66,000 | 75.0       | 68,500 |
| 20                     | 53.0       | 39,800  | 61.0       | 42,200 | 66.5       | 43,500 | 70.5       | 44,000 |
| 25                     | 43.0       | 25,500  | 54.0       | 27,800 | 61.0       | 29,000 | 66.0       | 29,500 |
| 30                     | 29.5       | 17,400  | 46.0       | 19,700 | 55.0       | 20,900 | 61.0       | 21,400 |
| 35                     |            |         | 36.5       | 14,400 | 48.5       | 15,600 | 56.0       | 16,200 |
| 40                     |            |         | 23.5       | 10,700 | 41.5       | 12,000 | 50.5       | 12,600 |
| 45                     |            |         |            |        | 33.0       | 9,200  | 45.0       | 9,800  |
| 50                     |            |         |            |        | 21.5       | 7,100  | 38.0       | 7,700  |
| 55                     |            |         |            |        |            |        | 30.5       | 6,100  |
| 60                     |            |         |            |        |            |        | 19.5       | 4,700  |
| Min.Bm.<br>Ang./Cap.   | 0.0        | 13,000  | 0.0        | 9,000  | 0.0        | 6,100  | 0.0        | 4,000  |
| Radius (ft)            | 34.0       |         | 43.0       |        | 53.0       |        | 63.0       |        |

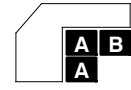
| Load<br>Radius<br>(ft) | 80.0 ft    |        | 90.0 ft    |        | 100.0 ft   |        | 113.1 ft   |        |
|------------------------|------------|--------|------------|--------|------------|--------|------------|--------|
|                        | $\angle$ ° | 360°   | $\angle$ ° | 360°   | $\angle$ ° | 360°   | $\angle$ ° | 360°   |
| 12                     | 79.5       | 57,000 |            |        |            |        |            |        |
| 15                     | 77.5       | 51,900 | 79.5       | 48,700 |            |        |            |        |
| 20                     | 73.5       | 44,500 | 76.0       | 42,800 | 78.5       | 42,500 |            |        |
| 25                     | 69.5       | 29,900 | 72.5       | 29,800 | 75.0       | 29,600 | 77.5       | 29,300 |
| 30                     | 65.5       | 21,800 | 68.5       | 21,700 | 71.5       | 21,500 | 74.5       | 21,300 |
| 35                     | 61.0       | 16,500 | 65.0       | 16,500 | 68.0       | 16,300 | 71.5       | 16,000 |
| 40                     | 57.0       | 12,900 | 61.5       | 12,800 | 65.0       | 12,700 | 68.5       | 12,500 |
| 45                     | 52.0       | 10,300 | 57.5       | 10,300 | 61.5       | 10,100 | 65.5       | 9,900  |
| 50                     | 47.0       | 8,200  | 53.5       | 8,200  | 58.0       | 8,000  | 62.5       | 7,800  |
| 55                     | 42.0       | 6,500  | 49.0       | 6,500  | 54.5       | 6,400  | 59.5       | 6,200  |
| 60                     | 35.5       | 5,100  | 44.5       | 5,200  | 50.5       | 5,100  | 56.5       | 4,900  |
| 65                     | 28.5       | 4,000  | 39.5       | 4,100  | 46.5       | 3,900  | 53.0       | 3,800  |
| 70                     | 18.5       | 3,100  | 33.5       | 3,100  | 42.0       | 3,000  | 49.5       | 2,900  |
| 75                     |            |        | 27.0       | 2,300  | 37.5       | 2,200  | 46.0       | 2,100  |
| 80                     |            |        | 17.5       | 1,600  | 32.0       | 1,500  | 42.0       | 1,400  |
| Min.Bm.<br>Ang./Cap.   | 0.0        | 2,600  | 0.0        | 1,300  | 25.5       |        | 38.5       |        |
| Radius (ft)            | 73.0       |        | 83.0       |        | 85.0       |        | 84.2       |        |

**SN: P9L4-7599**

**Rated Lifting Capacities  
In Pounds**



**Intermediate**



**10,800 lb**

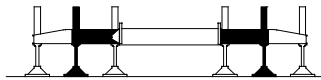


| Load<br>Radius<br>(ft) | 41.0 ft        |         | 50.0 ft        |        | 60.0 ft        |        | 70.0 ft        |        |
|------------------------|----------------|---------|----------------|--------|----------------|--------|----------------|--------|
|                        | $\angle^\circ$ | 360°    | $\angle^\circ$ | 360°   | $\angle^\circ$ | 360°   | $\angle^\circ$ | 360°   |
| 10                     | 70.0           | 132,000 | 74.0           | 89,000 | 77.0           | 77,000 | 79.5           | 74,400 |
| 12                     | 66.5           | 113,100 | 71.5           | 87,100 | 75.0           | 72,200 | 77.5           | 74,300 |
| 15                     | 62.0           | 72,000  | 68.0           | 75,000 | 72.0           | 66,000 | 75.0           | 68,700 |
| 20                     | 53.0           | 39,800  | 61.0           | 42,200 | 66.5           | 43,500 | 70.5           | 44,000 |
| 25                     | 43.0           | 25,500  | 54.0           | 27,800 | 61.0           | 29,000 | 66.0           | 29,500 |
| 30                     | 29.5           | 17,400  | 46.0           | 19,700 | 55.0           | 20,900 | 61.0           | 21,400 |
| 35                     |                |         | 36.5           | 14,400 | 48.5           | 15,600 | 56.0           | 16,200 |
| 40                     |                |         | 23.5           | 10,700 | 41.5           | 12,000 | 50.5           | 12,500 |
| 45                     |                |         |                |        | 33.0           | 9,200  | 45.0           | 9,800  |
| 50                     |                |         |                |        | 21.5           | 7,100  | 38.0           | 7,700  |
| 55                     |                |         |                |        |                |        | 30.5           | 6,000  |
| 60                     |                |         |                |        |                |        | 19.5           | 4,700  |
| Min.Bm.<br>Ang./Cap.   | 0.0            | 13,000  | 0.0            | 9,000  | 0.0            | 6,100  | 0.0            | 4,000  |
| Radius (ft)            | 34.0           |         | 43.0           |        | 53.0           |        | 63.0           |        |

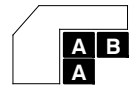
| Load<br>Radius<br>(ft) | 80.0 ft        |        | 90.0 ft        |        | 98.7 ft        |        |
|------------------------|----------------|--------|----------------|--------|----------------|--------|
|                        | $\angle^\circ$ | 360°   | $\angle^\circ$ | 360°   | $\angle^\circ$ | 360°   |
| 12                     | 79.5           | 62,800 |                |        |                |        |
| 15                     | 77.5           | 62,800 | 79.5           | 61,400 |                |        |
| 20                     | 73.5           | 43,700 | 76.0           | 43,400 | 78.0           | 43,300 |
| 25                     | 69.5           | 29,200 | 72.5           | 29,000 | 74.5           | 28,900 |
| 30                     | 65.0           | 21,200 | 68.5           | 21,000 | 71.0           | 20,800 |
| 35                     | 61.0           | 15,900 | 65.0           | 15,800 | 67.5           | 15,700 |
| 40                     | 56.5           | 12,400 | 61.0           | 12,300 | 64.5           | 12,200 |
| 45                     | 52.0           | 9,700  | 57.5           | 9,600  | 61.0           | 9,500  |
| 50                     | 47.0           | 7,600  | 53.5           | 7,600  | 57.5           | 7,500  |
| 55                     | 41.5           | 6,000  | 49.0           | 5,900  | 53.5           | 5,800  |
| 60                     | 35.5           | 4,600  | 44.5           | 4,600  | 50.0           | 4,500  |
| 65                     | 28.5           | 3,500  | 39.5           | 3,400  | 45.5           | 3,400  |
| 70                     | 18.5           | 2,600  | 33.5           | 2,500  | 41.0           | 2,500  |
| 75                     |                |        | 26.5           | 1,700  | 36.5           | 1,700  |
| 80                     |                |        | 17.5           | 1,000  | 30.5           | 1,000  |
| Min.Bm.<br>Ang./Cap.   | 0.0            | 2,100  | 12.0           |        | 29.0           |        |
| Radius (ft)            | 73.0           |        | 81.0           |        | 81.0           |        |

**SN: P9L4-7599**

**Fixed Boom Lengths  
Rated Lifting Capacities  
In Pounds  
See Operation Note 10.**



**Intermediate**



**10,800 lb**

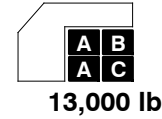
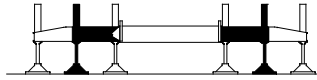


| Load<br>Radius<br>(ft) | 41.0 ft    |         | 47.0 ft    |         |
|------------------------|------------|---------|------------|---------|
|                        | $\angle$ ° | 360°    | $\angle$ ° | 360°    |
| 10                     | 70.0       | 132,000 | 73.0       | 110,700 |
| 12                     | 66.5       | 113,100 | 70.0       | 105,000 |
| 15                     | 62.0       | 72,000  | 66.0       | 74,100  |
| 20                     | 53.0       | 39,800  | 58.5       | 41,500  |
| 25                     | 43.0       | 25,500  | 51.0       | 27,200  |
| 30                     | 29.5       | 17,400  | 41.5       | 19,000  |
| 35                     |            |         | 30.5       | 13,700  |
| Min.Bm.<br>Ang./Cap.   | 0.0        | 13,000  | 0.0        | 10,100  |
| Radius (ft)            | 34.0       |         | 40.0       |         |

| Load<br>Radius<br>(ft) | 61.3 ft    |         | 76.0 ft    |        |
|------------------------|------------|---------|------------|--------|
|                        | $\angle$ ° | 360°    | $\angle$ ° | 360°   |
| 10                     | 77.5       | 106,900 |            |        |
| 12                     | 75.5       | 106,900 | 79.0       | 81,000 |
| 15                     | 72.5       | 76,000  | 77.0       | 75,700 |
| 20                     | 67.0       | 42,900  | 72.5       | 42,700 |
| 25                     | 61.5       | 28,600  | 68.0       | 28,400 |
| 30                     | 56.0       | 20,500  | 63.5       | 20,400 |
| 35                     | 49.5       | 15,300  | 59.0       | 15,200 |
| 40                     | 43.0       | 11,600  | 54.5       | 11,700 |
| 45                     | 35.0       | 8,900   | 49.5       | 9,000  |
| 50                     | 24.5       | 6,800   | 44.0       | 6,900  |
| 55                     |            |         | 38.0       | 5,200  |
| 60                     |            |         | 31.0       | 3,900  |
| 65                     |            |         | 21.5       | 2,800  |
| Min.Bm.<br>Ang./Cap.   | 0.0        | 5,400   | 0.0        | 2,000  |
| Radius (ft)            | 54.3       |         | 69.0       |        |

**SN: P9L4-7599**

**Rated Lifting Capacities  
In Pounds**

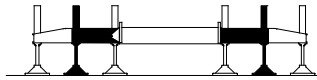


| Load<br>Radius<br>(ft) | 41.0 ft        |         | 50.0 ft        |        | 60.0 ft        |        | 70.0 ft        |        | 80.0 ft        |        |
|------------------------|----------------|---------|----------------|--------|----------------|--------|----------------|--------|----------------|--------|
|                        | ⌵ <sup>°</sup> | 360°    | ⌵ <sup>°</sup> | 360°   | ⌵ <sup>°</sup> | 360°   | ⌵ <sup>°</sup> | 360°   | ⌵ <sup>°</sup> | 360°   |
| 10                     | 70.0           | 134,200 | 74.0           | 89,000 | 77.0           | 62,900 | 79.0           | 49,800 |                |        |
| 12                     | 66.5           | 115,100 | 71.5           | 87,100 | 75.0           | 58,500 | 77.5           | 46,500 | 79.5           | 42,400 |
| 15                     | 62.0           | 76,300  | 68.0           | 79,200 | 72.0           | 53,000 | 75.0           | 42,200 | 77.5           | 42,400 |
| 20                     | 53.0           | 42,400  | 61.0           | 44,700 | 67.0           | 45,700 | 70.5           | 36,400 | 73.5           | 37,900 |
| 25                     | 43.0           | 27,300  | 54.0           | 29,700 | 61.0           | 31,200 | 66.0           | 31,900 | 70.0           | 32,500 |
| 30                     | 29.5           | 18,800  | 46.0           | 21,100 | 55.0           | 22,700 | 61.5           | 23,600 | 65.5           | 23,900 |
| 35                     |                |         | 36.5           | 15,600 | 49.0           | 17,100 | 56.5           | 18,100 | 61.5           | 18,300 |
| 40                     |                |         | 23.5           | 11,700 | 41.5           | 13,200 | 51.0           | 14,200 | 57.0           | 14,500 |
| 45                     |                |         |                |        | 33.0           | 10,400 | 45.0           | 11,400 | 52.5           | 11,700 |
| 50                     |                |         |                |        | 21.5           | 8,200  | 38.5           | 9,100  | 47.5           | 9,500  |
| 55                     |                |         |                |        |                |        | 30.5           | 7,400  | 42.0           | 7,700  |
| 60                     |                |         |                |        |                |        | 19.5           | 6,000  | 36.0           | 6,300  |
| 65                     |                |         |                |        |                |        |                |        | 28.5           | 5,100  |
| 70                     |                |         |                |        |                |        |                |        | 18.5           | 4,100  |
| Min.Bm.<br>Ang./Cap.   | 0.0            | 14,200  | 0.0            | 9,900  | 0.0            | 7,100  | 0.0            | 5,200  | 0.0            | 3,600  |
| Radius (ft)            | 34.0           |         | 43.0           |        | 53.0           |        | 63.0           |        | 73.0           |        |

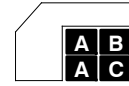
| Load<br>Radius<br>(ft) | 90.0 ft        |        | 100.0 ft       |        | 110.0 ft       |        | 120.0 ft       |        | 127.0 ft       |        |
|------------------------|----------------|--------|----------------|--------|----------------|--------|----------------|--------|----------------|--------|
|                        | ⌵ <sup>°</sup> | 360°   | ⌵ <sup>°</sup> | 360°   | ⌵ <sup>°</sup> | 360°   | ⌵ <sup>°</sup> | 360°   | ⌵ <sup>°</sup> | 360°   |
| 15                     | 79.0           | 36,700 |                |        |                |        |                |        |                |        |
| 20                     | 76.0           | 36,700 | 77.5           | 30,700 | 79.0           | 29,100 |                |        |                |        |
| 25                     | 72.5           | 32,700 | 75.0           | 30,700 | 77.0           | 29,100 | 78.5           | 25,500 | 79.0           | 22,600 |
| 30                     | 69.0           | 24,100 | 71.5           | 24,100 | 74.0           | 23,800 | 76.0           | 23,600 | 77.0           | 22,600 |
| 35                     | 65.0           | 18,500 | 68.5           | 18,600 | 70.5           | 18,300 | 73.0           | 18,000 | 74.5           | 17,900 |
| 40                     | 61.5           | 14,700 | 65.0           | 14,700 | 67.5           | 14,400 | 70.0           | 14,200 | 72.0           | 14,100 |
| 45                     | 57.5           | 11,900 | 61.5           | 12,000 | 65.0           | 11,700 | 67.5           | 11,500 | 69.5           | 11,400 |
| 50                     | 53.5           | 9,700  | 58.0           | 9,800  | 61.5           | 9,600  | 64.5           | 9,400  | 66.5           | 9,200  |
| 55                     | 49.0           | 8,000  | 54.5           | 8,100  | 58.5           | 7,800  | 61.5           | 7,600  | 63.5           | 7,500  |
| 60                     | 44.5           | 6,500  | 50.5           | 6,600  | 55.0           | 6,500  | 59.0           | 6,300  | 61.0           | 6,100  |
| 65                     | 39.5           | 5,400  | 46.5           | 5,500  | 52.0           | 5,300  | 55.5           | 5,100  | 58.5           | 5,000  |
| 70                     | 33.5           | 4,400  | 42.0           | 4,500  | 48.0           | 4,300  | 52.5           | 4,100  | 55.5           | 4,000  |
| 75                     | 27.0           | 3,500  | 37.5           | 3,600  | 44.5           | 3,400  | 49.5           | 3,300  | 52.5           | 3,200  |
| 80                     | 17.5           | 2,800  | 32.0           | 2,900  | 40.0           | 2,700  | 46.0           | 2,600  | 49.0           | 2,500  |
| 85                     |                |        | 25.5           | 2,300  | 35.5           | 2,100  | 42.5           | 1,900  | 46.0           | 1,800  |
| 90                     |                |        | 16.5           | 1,700  | 30.5           | 1,500  | 38.5           | 1,400  | 43.0           | 1,300  |
| 95                     |                |        |                |        | 24.5           | 1,000  | 34.5           | 900    |                |        |
| Min.Bm.<br>Ang./Cap.   | 0.0            | 2,400  | 0.0            | 1,400  | 21.5           |        | 34.0           |        | 39.5           |        |
| Radius (ft)            | 83.0           |        | 93.0           |        | 96.9           |        | 95.6           |        | 94.5           |        |

SN: P9L4-7599

**Rated Lifting Capacities  
In Pounds**



**Intermediate**



**13,000 lb**

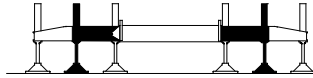


| Load<br>Radius<br>(ft) | 41.0 ft    |         | 50.0 ft    |        | 60.0 ft    |        | 70.0 ft    |        |
|------------------------|------------|---------|------------|--------|------------|--------|------------|--------|
|                        | $\angle$ ° | 360°    | $\angle$ ° | 360°   | $\angle$ ° | 360°   | $\angle$ ° | 360°   |
| 10                     | 70.0       | 134,200 | 74.0       | 89,000 | 77.0       | 77,000 | 79.5       | 74,000 |
| 12                     | 66.5       | 115,100 | 71.5       | 87,100 | 75.0       | 72,200 | 77.5       | 74,000 |
| 15                     | 62.0       | 76,300  | 67.5       | 79,200 | 72.0       | 66,000 | 75.0       | 68,500 |
| 20                     | 53.0       | 42,400  | 61.0       | 44,700 | 66.5       | 46,000 | 70.5       | 46,600 |
| 25                     | 43.0       | 27,300  | 54.0       | 29,700 | 61.0       | 30,900 | 66.0       | 31,400 |
| 30                     | 29.5       | 18,800  | 46.0       | 21,100 | 55.0       | 22,400 | 61.0       | 22,900 |
| 35                     |            |         | 36.5       | 15,600 | 48.5       | 16,800 | 56.0       | 17,400 |
| 40                     |            |         | 23.5       | 11,700 | 41.5       | 12,900 | 50.5       | 13,500 |
| 45                     |            |         |            |        | 33.0       | 10,100 | 44.5       | 10,700 |
| 50                     |            |         |            |        | 21.5       | 7,900  | 38.0       | 8,500  |
| 55                     |            |         |            |        |            |        | 30.5       | 6,800  |
| 60                     |            |         |            |        |            |        | 19.5       | 5,400  |
| Min.Bm.<br>Ang./Cap.   | 0.0        | 14,200  | 0.0        | 9,900  | 0.0        | 6,800  | 0.0        | 4,600  |
| Radius (ft)            | 34.0       |         | 0.0        |        | 53.0       |        | 63.0       |        |

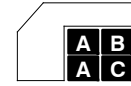
| Load<br>Radius<br>(ft) | 80.0 ft    |        | 90.0 ft    |        | 100.0 ft   |        | 113.1 ft   |        |
|------------------------|------------|--------|------------|--------|------------|--------|------------|--------|
|                        | $\angle$ ° | 360°   | $\angle$ ° | 360°   | $\angle$ ° | 360°   | $\angle$ ° | 360°   |
| 12                     | 79.5       | 57,000 |            |        |            |        |            |        |
| 15                     | 77.5       | 51,900 | 79.5       | 48,700 |            |        |            |        |
| 20                     | 73.5       | 44,900 | 76.0       | 42,800 | 78.0       | 42,500 |            |        |
| 25                     | 69.5       | 31,800 | 72.5       | 31,700 | 75.0       | 31,400 | 77.5       | 31,100 |
| 30                     | 65.5       | 23,200 | 68.5       | 23,200 | 71.5       | 22,900 | 74.5       | 22,700 |
| 35                     | 61.0       | 17,700 | 65.0       | 17,700 | 68.0       | 17,500 | 71.5       | 17,200 |
| 40                     | 56.5       | 13,900 | 61.0       | 13,900 | 64.5       | 13,600 | 68.5       | 13,400 |
| 45                     | 52.0       | 11,100 | 57.5       | 11,100 | 61.5       | 11,000 | 65.5       | 10,800 |
| 50                     | 47.0       | 8,900  | 53.0       | 9,000  | 58.0       | 8,800  | 62.5       | 8,600  |
| 55                     | 42.0       | 7,200  | 49.0       | 7,200  | 54.5       | 7,100  | 59.5       | 6,900  |
| 60                     | 35.5       | 5,800  | 44.5       | 5,800  | 50.5       | 5,700  | 56.0       | 5,600  |
| 65                     | 28.5       | 4,600  | 39.5       | 4,600  | 46.5       | 4,500  | 53.0       | 4,400  |
| 70                     | 18.0       | 3,600  | 33.5       | 3,600  | 42.0       | 3,500  | 49.5       | 3,400  |
| 75                     |            |        | 26.5       | 2,800  | 37.5       | 2,700  | 46.0       | 2,600  |
| 80                     |            |        | 17.5       | 2,100  | 32.0       | 2,000  | 42.0       | 1,900  |
| 85                     |            |        |            |        | 25.5       | 1,400  | 38.0       | 1,200  |
| Min.Bm.<br>Ang./Cap.   | 0.0        | 3,100  | 0.0        | 1,700  | 17.0       |        | 35.0       |        |
| Radius (ft)            | 73.0       |        | 83.0       |        | 89.6       |        | 88.5       |        |

**SN: P9L4-7599**

**Rated Lifting Capacities  
In Pounds**



**Intermediate**



**13,000 lb**



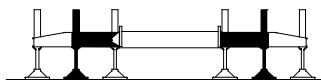
| Load<br>Radius<br>(ft) | 41.0 ft    |         | 50.0 ft    |        | 60.0 ft    |        | 70.0 ft    |        |
|------------------------|------------|---------|------------|--------|------------|--------|------------|--------|
|                        | $\angle$ ° | 360°    | $\angle$ ° | 360°   | $\angle$ ° | 360°   | $\angle$ ° | 360°   |
| 10                     | 70.0       | 134,200 | 74.0       | 89,000 | 77.0       | 77,000 | 79.0       | 74,400 |
| 12                     | 66.5       | 115,100 | 71.5       | 87,100 | 75.0       | 72,200 | 77.5       | 74,300 |
| 15                     | 62.0       | 76,300  | 67.5       | 79,200 | 72.0       | 66,000 | 75.0       | 68,700 |
| 20                     | 53.0       | 42,400  | 61.0       | 44,700 | 66.5       | 46,000 | 70.5       | 46,600 |
| 25                     | 43.0       | 27,300  | 54.0       | 29,700 | 61.0       | 30,900 | 66.0       | 31,300 |
| 30                     | 29.5       | 18,800  | 46.0       | 21,100 | 55.0       | 22,400 | 61.0       | 22,800 |
| 35                     |            |         | 36.5       | 15,600 | 48.5       | 16,800 | 56.0       | 17,400 |
| 40                     |            |         | 23.5       | 11,700 | 41.5       | 12,900 | 50.5       | 13,500 |
| 45                     |            |         |            |        | 33.0       | 10,100 | 44.5       | 10,700 |
| 50                     |            |         |            |        | 21.5       | 7,900  | 38.0       | 8,500  |
| 55                     |            |         |            |        |            |        | 30.5       | 6,700  |
| 60                     |            |         |            |        |            |        | 19.5       | 5,300  |
| Min.Bm.<br>Ang./Cap.   | 0.0        | 14,200  | 0.0        | 9,900  | 0.0        | 6,800  | 0.0        | 4,600  |
| Radius (ft)            | 34.0       |         | 43.0       |        | 53.0       |        | 63.0       |        |

| Load<br>Radius<br>(ft) | 80.0 ft    |        | 90.0 ft    |        | 98.7 ft    |        |
|------------------------|------------|--------|------------|--------|------------|--------|
|                        | $\angle$ ° | 360°   | $\angle$ ° | 360°   | $\angle$ ° | 360°   |
| 12                     | 79.5       | 62,800 |            |        |            |        |
| 15                     | 77.5       | 62,800 | 79.5       | 61,400 |            |        |
| 20                     | 73.5       | 46,300 | 76.0       | 46,000 | 78.0       | 45,800 |
| 25                     | 69.5       | 31,100 | 72.5       | 30,900 | 74.5       | 30,700 |
| 30                     | 65.0       | 22,600 | 68.5       | 22,400 | 71.0       | 22,300 |
| 35                     | 61.0       | 17,100 | 65.0       | 17,000 | 67.5       | 16,800 |
| 40                     | 56.5       | 13,300 | 61.0       | 13,200 | 64.5       | 13,100 |
| 45                     | 52.0       | 10,600 | 57.5       | 10,500 | 61.0       | 10,400 |
| 50                     | 47.0       | 8,400  | 53.0       | 8,300  | 57.5       | 8,200  |
| 55                     | 41.5       | 6,600  | 49.0       | 6,600  | 53.5       | 6,500  |
| 60                     | 35.5       | 5,200  | 44.5       | 5,200  | 50.0       | 5,100  |
| 65                     | 28.5       | 4,100  | 39.0       | 4,000  | 45.5       | 4,000  |
| 70                     | 18.0       | 3,100  | 33.5       | 3,000  | 41.0       | 3,000  |
| 75                     |            |        | 27.0       | 2,200  | 36.5       | 2,200  |
| 80                     |            |        | 17.5       | 1,500  | 30.5       | 1,400  |
| Min.Bm.<br>Ang./Cap.   | 0.0        | 2,600  | 0.0        | 1,100  | 24.5       |        |
| Radius (ft)            | 73.0       |        | 83.0       |        | 84.6       |        |

**SN: P9L4-7599**



**Fixed Boom Lengths  
Rated Lifting Capacities  
In Pounds  
See Operation Note 10.**



**Intermediate**



**13,000 lb**

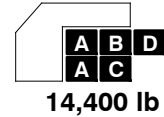
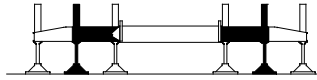


| Load<br>Radius<br>(ft) | 41.0 ft    |         | 47.0 ft    |         |
|------------------------|------------|---------|------------|---------|
|                        | $\angle$ ° | 360°    | $\angle$ ° | 360°    |
| 10                     | 70.0       | 134,200 | 73.0       | 110,700 |
| 12                     | 66.5       | 115,100 | 70.0       | 105,000 |
| 15                     | 62.0       | 76,300  | 66.0       | 78,300  |
| 20                     | 53.0       | 42,400  | 58.5       | 44,100  |
| 25                     | 43.0       | 27,300  | 50.5       | 29,000  |
| 30                     | 29.5       | 18,800  | 41.5       | 20,500  |
| 35                     |            |         | 30.5       | 14,900  |
| Min.Bm.<br>Ang./Cap.   | 0.0        | 14,200  | 0.0        | 11,100  |
| Radius (ft)            | 34.0       |         | 40.0       |         |

| Load<br>Radius<br>(ft) | 61.3 ft    |         | 76.0 ft    |        |
|------------------------|------------|---------|------------|--------|
|                        | $\angle$ ° | 360°    | $\angle$ ° | 360°   |
| 10                     | 77.5       | 106,900 |            |        |
| 12                     | 75.5       | 106,900 | 79.0       | 81,000 |
| 15                     | 72.5       | 80,200  | 77.0       | 77,400 |
| 20                     | 67.0       | 45,500  | 72.0       | 45,300 |
| 25                     | 61.5       | 30,400  | 68.0       | 30,200 |
| 30                     | 56.0       | 22,000  | 63.5       | 21,800 |
| 35                     | 49.5       | 16,500  | 59.0       | 16,400 |
| 40                     | 43.0       | 12,600  | 54.5       | 12,700 |
| 45                     | 35.0       | 9,800   | 49.5       | 9,900  |
| 50                     | 24.5       | 7,600   | 44.0       | 7,700  |
| 55                     |            |         | 38.0       | 5,900  |
| 60                     |            |         | 31.0       | 4,500  |
| 65                     |            |         | 21.5       | 3,400  |
| Min.Bm.<br>Ang./Cap.   | 0.0        | 6,100   | 0.0        | 2,600  |
| Radius (ft)            | 54.3       |         | 69.0       |        |

**SN: P9L4-7599**

**Rated Lifting Capacities  
In Pounds**

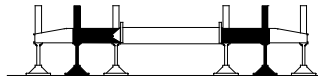


| Load<br>Radius<br>(ft) | 41.0 ft                                                                             |         | 50.0 ft                                                                             |        | 60.0 ft                                                                             |        | 70.0 ft                                                                               |        | 80.0 ft                                                                               |        |
|------------------------|-------------------------------------------------------------------------------------|---------|-------------------------------------------------------------------------------------|--------|-------------------------------------------------------------------------------------|--------|---------------------------------------------------------------------------------------|--------|---------------------------------------------------------------------------------------|--------|
|                        |  ° | 360°    |  ° | 360°   |  ° | 360°   |  ° | 360°   |  ° | 360°   |
| 10                     | 70.0                                                                                | 134,800 | 74.0                                                                                | 89,000 | 77.0                                                                                | 62,900 | 79.0                                                                                  | 49,800 |                                                                                       |        |
| 12                     | 67.0                                                                                | 116,600 | 71.5                                                                                | 87,100 | 75.0                                                                                | 58,500 | 77.5                                                                                  | 46,500 | 79.5                                                                                  | 42,400 |
| 15                     | 62.0                                                                                | 79,300  | 68.0                                                                                | 80,000 | 72.0                                                                                | 53,000 | 75.0                                                                                  | 42,200 | 77.5                                                                                  | 42,400 |
| 20                     | 53.0                                                                                | 44,300  | 61.0                                                                                | 46,600 | 67.0                                                                                | 45,700 | 70.5                                                                                  | 36,400 | 73.5                                                                                  | 37,900 |
| 25                     | 43.0                                                                                | 28,600  | 54.0                                                                                | 31,000 | 61.0                                                                                | 32,500 | 66.0                                                                                  | 31,900 | 70.0                                                                                  | 33,800 |
| 30                     | 29.5                                                                                | 19,900  | 46.0                                                                                | 22,100 | 55.5                                                                                | 23,800 | 61.5                                                                                  | 24,700 | 65.5                                                                                  | 24,900 |
| 35                     |                                                                                     |         | 36.5                                                                                | 16,400 | 49.0                                                                                | 18,000 | 56.5                                                                                  | 18,900 | 61.5                                                                                  | 19,200 |
| 40                     |                                                                                     |         | 23.5                                                                                | 12,500 | 41.5                                                                                | 13,900 | 51.0                                                                                  | 14,900 | 57.0                                                                                  | 15,200 |
| 45                     |                                                                                     |         |                                                                                     |        | 33.0                                                                                | 11,000 | 45.0                                                                                  | 12,000 | 52.5                                                                                  | 12,300 |
| 50                     |                                                                                     |         |                                                                                     |        | 21.5                                                                                | 8,700  | 38.5                                                                                  | 9,700  | 47.5                                                                                  | 10,000 |
| 55                     |                                                                                     |         |                                                                                     |        |                                                                                     |        | 30.5                                                                                  | 7,900  | 42.0                                                                                  | 8,200  |
| 60                     |                                                                                     |         |                                                                                     |        |                                                                                     |        | 20.0                                                                                  | 6,400  | 36.0                                                                                  | 6,700  |
| 65                     |                                                                                     |         |                                                                                     |        |                                                                                     |        |                                                                                       |        | 28.5                                                                                  | 5,500  |
| 70                     |                                                                                     |         |                                                                                     |        |                                                                                     |        |                                                                                       |        | 18.5                                                                                  | 4,500  |
| Min.Bm.<br>Ang./Cap.   | 0.0                                                                                 | 15,100  | 0.0                                                                                 | 10,500 | 0.0                                                                                 | 7,600  | 0.0                                                                                   | 5,700  | 0.0                                                                                   | 4,000  |
| Radius (ft)            | 34.0                                                                                |         | 43.0                                                                                |        | 53.0                                                                                |        | 63.0                                                                                  |        | 73.0                                                                                  |        |

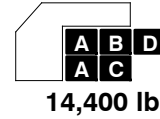
| Load<br>Radius<br>(ft) | 90.0 ft                                                                               |        | 100.0 ft                                                                              |        | 110.0 ft                                                                              |        | 120.0 ft                                                                                |        | 127.0 ft                                                                                |        |
|------------------------|---------------------------------------------------------------------------------------|--------|---------------------------------------------------------------------------------------|--------|---------------------------------------------------------------------------------------|--------|-----------------------------------------------------------------------------------------|--------|-----------------------------------------------------------------------------------------|--------|
|                        |  ° | 360°   |  ° | 360°   |  ° | 360°   |  ° | 360°   |  ° | 360°   |
| 15                     | 79.0                                                                                  | 36,700 |                                                                                       |        |                                                                                       |        |                                                                                         |        |                                                                                         |        |
| 20                     | 76.0                                                                                  | 36,700 | 77.5                                                                                  | 30,700 | 79.0                                                                                  | 29,100 |                                                                                         |        |                                                                                         |        |
| 25                     | 73.0                                                                                  | 34,000 | 75.0                                                                                  | 30,700 | 77.0                                                                                  | 29,100 | 78.5                                                                                    | 25,500 | 79.0                                                                                    | 22,600 |
| 30                     | 69.0                                                                                  | 25,100 | 72.0                                                                                  | 25,200 | 74.0                                                                                  | 24,900 | 76.0                                                                                    | 24,600 | 77.0                                                                                    | 22,600 |
| 35                     | 65.5                                                                                  | 19,400 | 68.5                                                                                  | 19,400 | 71.0                                                                                  | 19,100 | 73.5                                                                                    | 18,900 | 74.5                                                                                    | 18,700 |
| 40                     | 61.5                                                                                  | 15,400 | 65.0                                                                                  | 15,400 | 68.0                                                                                  | 15,200 | 70.5                                                                                    | 14,900 | 72.0                                                                                    | 14,800 |
| 45                     | 57.5                                                                                  | 12,600 | 61.5                                                                                  | 12,600 | 65.0                                                                                  | 12,300 | 67.5                                                                                    | 12,100 | 69.5                                                                                    | 12,000 |
| 50                     | 53.5                                                                                  | 10,300 | 58.0                                                                                  | 10,400 | 62.0                                                                                  | 10,100 | 65.0                                                                                    | 9,900  | 66.5                                                                                    | 9,800  |
| 55                     | 49.5                                                                                  | 8,500  | 54.5                                                                                  | 8,600  | 58.5                                                                                  | 8,300  | 62.0                                                                                    | 8,100  | 64.0                                                                                    | 8,000  |
| 60                     | 44.5                                                                                  | 7,000  | 50.5                                                                                  | 7,100  | 55.5                                                                                  | 6,900  | 59.0                                                                                    | 6,700  | 61.5                                                                                    | 6,600  |
| 65                     | 39.5                                                                                  | 5,800  | 46.5                                                                                  | 5,900  | 52.0                                                                                  | 5,700  | 56.0                                                                                    | 5,500  | 58.5                                                                                    | 5,400  |
| 70                     | 34.0                                                                                  | 4,800  | 42.5                                                                                  | 4,800  | 48.5                                                                                  | 4,700  | 53.0                                                                                    | 4,500  | 55.5                                                                                    | 4,400  |
| 75                     | 27.0                                                                                  | 3,900  | 37.5                                                                                  | 4,000  | 44.5                                                                                  | 3,800  | 49.5                                                                                    | 3,600  | 52.5                                                                                    | 3,500  |
| 80                     | 17.5                                                                                  | 3,100  | 32.0                                                                                  | 3,200  | 40.5                                                                                  | 3,000  | 46.0                                                                                    | 2,900  | 49.5                                                                                    | 2,800  |
| 85                     |                                                                                       |        | 25.5                                                                                  | 2,600  | 36.0                                                                                  | 2,400  | 42.5                                                                                    | 2,200  | 46.5                                                                                    | 2,100  |
| 90                     |                                                                                       |        | 16.5                                                                                  | 2,000  | 30.5                                                                                  | 1,800  | 38.5                                                                                    | 1,700  | 43.0                                                                                    | 1,600  |
| 95                     |                                                                                       |        |                                                                                       |        | 24.5                                                                                  | 1,300  | 34.5                                                                                    | 1,200  | 39.0                                                                                    | 1,100  |
| Min.Bm.<br>Ang./Cap.   | 0.0                                                                                   | 2,700  | 0.0                                                                                   | 1,700  | 16.0                                                                                  |        | 31.5                                                                                    |        | 37.5                                                                                    |        |
| Radius (ft)            | 83.0                                                                                  |        | 93.0                                                                                  |        | 100.0                                                                                 |        | 98.0                                                                                    |        | 97.0                                                                                    |        |

SN: P9L4-7599

**Rated Lifting Capacities  
In Pounds**



**Intermediate**

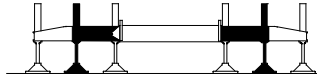


| Load Radius (ft)  | 41.0 ft    |         | 50.0 ft    |        | 60.0 ft    |        | 70.0 ft    |        |
|-------------------|------------|---------|------------|--------|------------|--------|------------|--------|
|                   | $\angle$ ° | 360°    | $\angle$ ° | 360°   | $\angle$ ° | 360°   | $\angle$ ° | 360°   |
| 10                | 70.0       | 134,800 | 74.0       | 89,000 | 77.0       | 77,000 | 79.5       | 74,000 |
| 12                | 67.0       | 116,600 | 71.5       | 87,100 | 75.0       | 72,200 | 77.5       | 74,000 |
| 15                | 62.0       | 79,300  | 68.0       | 80,000 | 72.0       | 66,000 | 75.0       | 68,500 |
| 20                | 53.0       | 44,300  | 61.0       | 46,600 | 66.5       | 47,900 | 70.5       | 48,500 |
| 25                | 43.0       | 28,600  | 54.0       | 31,000 | 61.0       | 32,200 | 66.0       | 32,700 |
| 30                | 29.5       | 19,900  | 46.0       | 22,100 | 55.0       | 23,400 | 61.0       | 23,900 |
| 35                |            |         | 36.5       | 16,400 | 48.5       | 17,700 | 56.0       | 18,300 |
| 40                |            |         | 23.5       | 12,500 | 41.5       | 13,600 | 50.5       | 14,200 |
| 45                |            |         |            |        | 33.0       | 10,700 | 45.0       | 11,300 |
| 50                |            |         |            |        | 21.5       | 8,500  | 38.5       | 9,100  |
| 55                |            |         |            |        |            |        | 30.5       | 7,300  |
| 60                |            |         |            |        |            |        | 19.5       | 5,800  |
| Min.Bm. Ang./Cap. | 0.0        | 15,100  | 0.0        | 10,500 | 0.0        | 7,300  | 0.0        | 5,000  |
| Radius (ft)       | 34.0       |         | 43.0       |        | 53.0       |        | 63.0       |        |

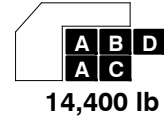
| Load Radius (ft)  | 80.0 ft    |        | 90.0 ft    |        | 100.0 ft   |        | 113.1 ft   |        |
|-------------------|------------|--------|------------|--------|------------|--------|------------|--------|
|                   | $\angle$ ° | 360°   | $\angle$ ° | 360°   | $\angle$ ° | 360°   | $\angle$ ° | 360°   |
| 12                | 79.5       | 57,000 |            |        |            |        |            |        |
| 15                | 77.5       | 51,900 | 79.5       | 48,700 |            |        |            |        |
| 20                | 73.5       | 44,900 | 76.0       | 42,800 | 78.5       | 42,500 |            |        |
| 25                | 69.5       | 33,100 | 72.5       | 33,000 | 75.0       | 32,800 | 78.0       | 32,500 |
| 30                | 65.5       | 24,300 | 69.0       | 24,200 | 71.5       | 24,000 | 74.5       | 23,700 |
| 35                | 61.5       | 18,600 | 65.0       | 18,500 | 68.5       | 18,300 | 71.5       | 18,100 |
| 40                | 57.0       | 14,600 | 61.5       | 14,600 | 65.0       | 14,400 | 68.5       | 14,100 |
| 45                | 52.0       | 11,800 | 57.5       | 11,800 | 61.5       | 11,600 | 66.0       | 11,400 |
| 50                | 47.5       | 9,500  | 53.5       | 9,500  | 58.0       | 9,400  | 63.0       | 9,200  |
| 55                | 42.0       | 7,700  | 49.0       | 7,700  | 54.5       | 7,600  | 59.5       | 7,400  |
| 60                | 36.0       | 6,200  | 44.5       | 6,200  | 50.5       | 6,100  | 56.5       | 6,000  |
| 65                | 28.5       | 5,000  | 39.5       | 5,000  | 46.5       | 4,900  | 53.5       | 4,800  |
| 70                | 18.5       | 4,000  | 33.5       | 4,000  | 42.0       | 3,900  | 50.0       | 3,800  |
| 75                |            |        | 27.0       | 3,200  | 37.5       | 3,000  | 46.0       | 2,900  |
| 80                |            |        | 17.5       | 2,400  | 32.0       | 2,300  | 42.5       | 2,200  |
| 85                |            |        |            |        | 25.5       | 1,700  | 38.0       | 1,500  |
| 90                |            |        |            |        | 16.5       | 1,100  | 33.5       | 1,000  |
| Min.Bm. Ang./Cap. | 0.0        | 3,500  | 0.0        | 2,000  | 6.0        |        | 32.5       |        |
| Radius (ft)       | 73.0       |        | 83.0       |        | 92.0       |        | 91.0       |        |

**SN: P9L4-7599**

**Rated Lifting Capacities  
In Pounds**



**Intermediate**



**14,400 lb**

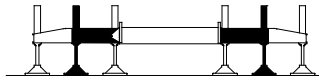


| Load<br>Radius<br>(ft) | 41.0 ft        |         | 50.0 ft        |        | 60.0 ft        |        | 70.0 ft        |        |
|------------------------|----------------|---------|----------------|--------|----------------|--------|----------------|--------|
|                        | $\angle^\circ$ | 360°    | $\angle^\circ$ | 360°   | $\angle^\circ$ | 360°   | $\angle^\circ$ | 360°   |
| 10                     | 70.0           | 134,800 | 74.0           | 89,000 | 77.0           | 77,000 | 79.5           | 74,400 |
| 12                     | 67.0           | 116,600 | 71.5           | 87,100 | 75.0           | 72,200 | 77.5           | 74,300 |
| 15                     | 62.0           | 79,300  | 68.0           | 80,000 | 72.0           | 66,000 | 75.0           | 68,700 |
| 20                     | 53.0           | 44,300  | 61.0           | 46,600 | 66.5           | 47,900 | 70.5           | 48,400 |
| 25                     | 43.0           | 28,600  | 54.0           | 31,000 | 61.0           | 32,200 | 66.0           | 32,700 |
| 30                     | 29.5           | 19,900  | 46.0           | 22,100 | 55.0           | 23,400 | 61.0           | 23,900 |
| 35                     |                |         | 36.5           | 16,400 | 48.5           | 17,700 | 56.0           | 18,200 |
| 40                     |                |         | 23.5           | 12,500 | 41.5           | 13,600 | 50.5           | 14,200 |
| 45                     |                |         |                |        | 33.0           | 10,700 | 45.0           | 11,300 |
| 50                     |                |         |                |        | 21.5           | 8,500  | 38.5           | 9,000  |
| 55                     |                |         |                |        |                |        | 30.5           | 7,200  |
| 60                     |                |         |                |        |                |        | 19.5           | 5,800  |
| Min.Bm.<br>Ang./Cap.   | 0.0            | 15,100  | 0.0            | 10,500 | 0.0            | 7,300  | 0.0            | 5,000  |
| Radius (ft)            | 34.0           |         | 43.0           |        | 53.0           |        | 63.0           |        |

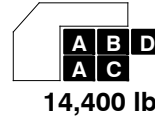
| Load<br>Radius<br>(ft) | 80.0 ft        |        | 90.0 ft        |        | 98.7 ft        |        |
|------------------------|----------------|--------|----------------|--------|----------------|--------|
|                        | $\angle^\circ$ | 360°   | $\angle^\circ$ | 360°   | $\angle^\circ$ | 360°   |
| 12                     | 79.5           | 62,800 |                |        |                |        |
| 15                     | 77.5           | 62,800 | 79.5           | 61,400 |                |        |
| 20                     | 73.5           | 48,100 | 76.0           | 47,900 | 78.0           | 47,700 |
| 25                     | 69.5           | 32,400 | 72.5           | 32,200 | 74.5           | 32,000 |
| 30                     | 65.5           | 23,600 | 68.5           | 23,500 | 71.5           | 23,300 |
| 35                     | 61.0           | 18,000 | 65.0           | 17,800 | 68.0           | 17,700 |
| 40                     | 56.5           | 14,100 | 61.5           | 13,900 | 64.5           | 13,800 |
| 45                     | 52.0           | 11,200 | 57.5           | 11,100 | 61.0           | 11,000 |
| 50                     | 47.0           | 8,900  | 53.5           | 8,900  | 57.5           | 8,800  |
| 55                     | 42.0           | 7,100  | 49.0           | 7,100  | 54.0           | 7,000  |
| 60                     | 35.5           | 5,700  | 44.5           | 5,600  | 50.0           | 5,600  |
| 65                     | 28.5           | 4,500  | 39.5           | 4,400  | 46.0           | 4,400  |
| 70                     | 18.5           | 3,500  | 33.5           | 3,400  | 41.5           | 3,400  |
| 75                     |                |        | 27.0           | 2,600  | 36.5           | 2,500  |
| 80                     |                |        | 17.5           | 1,800  | 30.5           | 1,800  |
| 85                     |                |        |                |        | 24.0           | 1,100  |
| Min.Bm.<br>Ang./Cap.   | 0.0            | 2,900  | 0.0            | 1,400  | 20.0           |        |
| Radius (ft)            | 73.0           |        | 83.0           |        | 87.0           |        |

**SN: P9L4-7599**

**Fixed Boom Lengths  
Rated Lifting Capacities  
In Pounds  
See Operation Note 10.**



**Intermediate**



**14,400 lb**

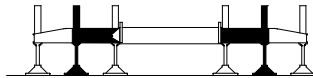


| Load Radius (ft)  | 41.0 ft    |         | 47.0 ft    |         |
|-------------------|------------|---------|------------|---------|
|                   | $\angle$ ° | 360°    | $\angle$ ° | 360°    |
| 10                | 70.0       | 134,800 | 73.0       | 110,700 |
| 12                | 67.0       | 116,600 | 70.0       | 105,000 |
| 15                | 62.0       | 79,300  | 66.0       | 81,400  |
| 20                | 53.0       | 44,300  | 58.5       | 45,900  |
| 25                | 43.0       | 28,600  | 51.0       | 30,300  |
| 30                | 29.5       | 19,900  | 42.0       | 21,500  |
| 35                |            |         | 30.5       | 15,800  |
| Min.Bm. Ang./Cap. | 0.0        | 15,100  | 0.0        | 11,800  |
| Radius (ft)       | 34.0       |         | 40.0       |         |

| Load Radius (ft)  | 61.3 ft    |         | 76.0 ft    |        |
|-------------------|------------|---------|------------|--------|
|                   | $\angle$ ° | 360°    | $\angle$ ° | 360°   |
| 10                | 77.5       | 106,900 |            |        |
| 12                | 75.5       | 106,900 | 79.0       | 81,000 |
| 15                | 72.5       | 83,300  | 77.0       | 77,400 |
| 20                | 67.0       | 47,400  | 72.5       | 47,200 |
| 25                | 61.5       | 31,800  | 68.0       | 31,600 |
| 30                | 56.0       | 23,000  | 64.0       | 22,900 |
| 35                | 50.0       | 17,300  | 59.5       | 17,200 |
| 40                | 43.0       | 13,300  | 54.5       | 13,300 |
| 45                | 35.0       | 10,400  | 49.5       | 10,500 |
| 50                | 24.5       | 8,100   | 44.0       | 8,200  |
| 55                |            |         | 38.0       | 6,400  |
| 60                |            |         | 31.0       | 5,000  |
| 65                |            |         | 21.5       | 3,800  |
| Min.Bm. Ang./Cap. | 0.0        | 6,600   | 0.0        | 3,000  |
| Radius (ft)       | 54.3       |         | 69.0       |        |

**SN: P9L4-7599**

**Rated Lifting Capacities  
In Pounds**



**Intermediate**



**18,400 lb**

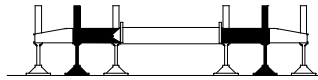


| Load Radius (ft)  | 41.0 ft |         | 50.0 ft |        | 60.0 ft |        | 70.0 ft |        | 80.0 ft |        |
|-------------------|---------|---------|---------|--------|---------|--------|---------|--------|---------|--------|
|                   |         | 360°    |         | 360°   |         | 360°   |         | 360°   |         | 360°   |
| 10                | 70.0    | 136,200 | 74.0    | 89,000 | 77.0    | 62,900 | 79.0    | 49,800 |         |        |
| 12                | 67.0    | 120,100 | 71.5    | 87,100 | 75.0    | 58,500 | 77.5    | 46,500 | 79.5    | 42,400 |
| 15                | 62.0    | 87,300  | 68.0    | 80,000 | 72.0    | 53,000 | 75.0    | 42,200 | 77.5    | 42,400 |
| 20                | 53.0    | 49,100  | 61.0    | 51,400 | 67.0    | 45,700 | 70.5    | 36,400 | 73.5    | 37,900 |
| 25                | 43.0    | 32,100  | 54.0    | 34,500 | 61.5    | 36,000 | 66.0    | 31,900 | 70.0    | 33,800 |
| 30                | 29.5    | 22,600  | 46.0    | 24,900 | 55.5    | 26,400 | 61.5    | 27,300 | 66.0    | 27,600 |
| 35                |         |         | 36.5    | 18,700 | 49.0    | 20,200 | 56.5    | 21,200 | 61.5    | 21,400 |
| 40                |         |         | 23.5    | 14,300 | 41.5    | 15,800 | 51.0    | 16,800 | 57.0    | 17,100 |
| 45                |         |         |         |        | 33.0    | 12,700 | 45.0    | 13,600 | 52.5    | 13,900 |
| 50                |         |         |         |        | 21.5    | 10,200 | 38.5    | 11,100 | 47.5    | 11,500 |
| 55                |         |         |         |        |         |        | 30.5    | 9,200  | 42.0    | 9,500  |
| 60                |         |         |         |        |         |        | 20.0    | 7,600  | 36.0    | 7,900  |
| 65                |         |         |         |        |         |        |         |        | 28.5    | 6,600  |
| 70                |         |         |         |        |         |        |         |        | 18.5    | 5,500  |
| Min.Bm. Ang./Cap. | 0.0     | 17,400  | 0.0     | 12,300 | 0.0     | 8,900  | 0.0     | 6,800  | 0.0     | 4,900  |
| Radius (ft)       | 34.0    |         | 43.0    |        | 53.0    |        | 63.0    |        | 73.0    |        |

| Load Radius (ft)  | 90.0 ft |        | 100.0 ft |        | 110.0 ft |        | 120.0 ft |        | 127.0 ft |        |
|-------------------|---------|--------|----------|--------|----------|--------|----------|--------|----------|--------|
|                   |         | 360°   |          | 360°   |          | 360°   |          | 360°   |          | 360°   |
| 15                | 79.0    | 36,700 |          |        |          |        |          |        |          |        |
| 20                | 76.0    | 36,700 | 77.5     | 30,700 | 79.0     | 29,100 |          |        |          |        |
| 25                | 73.0    | 34,500 | 75.0     | 30,700 | 77.0     | 29,100 | 78.5     | 25,500 | 79.0     | 22,600 |
| 30                | 69.5    | 27,700 | 72.0     | 27,800 | 74.5     | 27,500 | 76.5     | 25,500 | 77.0     | 22,600 |
| 35                | 65.5    | 21,600 | 68.5     | 21,600 | 71.5     | 21,400 | 73.5     | 21,100 | 75.0     | 21,000 |
| 40                | 62.0    | 17,300 | 65.5     | 17,300 | 68.0     | 17,000 | 70.5     | 16,800 | 72.5     | 16,700 |
| 45                | 58.0    | 14,100 | 62.0     | 14,100 | 65.0     | 13,900 | 68.0     | 13,600 | 69.5     | 13,500 |
| 50                | 53.5    | 11,700 | 58.5     | 11,800 | 62.0     | 11,600 | 65.0     | 11,400 | 67.0     | 11,200 |
| 55                | 49.5    | 9,800  | 54.5     | 9,900  | 59.0     | 9,600  | 62.0     | 9,400  | 64.5     | 9,300  |
| 60                | 45.0    | 8,200  | 51.0     | 8,300  | 55.5     | 8,100  | 59.5     | 7,900  | 61.5     | 7,800  |
| 65                | 39.5    | 6,900  | 47.0     | 6,900  | 52.0     | 6,800  | 56.5     | 6,600  | 58.5     | 6,500  |
| 70                | 34.0    | 5,700  | 42.5     | 5,800  | 48.5     | 5,600  | 53.0     | 5,500  | 56.0     | 5,400  |
| 75                | 27.0    | 4,800  | 37.5     | 4,900  | 44.5     | 4,700  | 50.0     | 4,500  | 53.0     | 4,500  |
| 80                | 17.5    | 4,000  | 32.0     | 4,100  | 40.5     | 3,900  | 46.5     | 3,700  | 50.0     | 3,600  |
| 85                |         |        | 25.5     | 3,400  | 36.0     | 3,200  | 43.0     | 3,000  | 46.5     | 2,900  |
| 90                |         |        | 16.5     | 2,800  | 31.0     | 2,600  | 39.0     | 2,400  | 43.0     | 2,300  |
| 95                |         |        |          |        | 24.5     | 2,000  | 34.5     | 1,900  | 39.5     | 1,800  |
| 100               |         |        |          |        | 16.0     | 1,500  | 29.5     | 1,400  | 35.5     | 1,300  |
| Min.Bm. Ang./Cap. | 0.0     | 3,600  | 0.0      | 2,400  | 0.0      | 1,300  | 23.5     |        | 32.0     |        |
| Radius (ft)       | 83.0    |        | 93.0     |        | 103.0    |        | 105.0    |        | 104.0    |        |

**SN: P9L4-7599**

**Rated Lifting Capacities  
In Pounds**



**Intermediate**

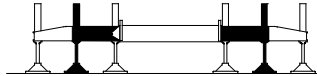


| Load Radius (ft)  | 41.0 ft    |         | 50.0 ft    |        | 60.0 ft    |        | 70.0 ft    |        |
|-------------------|------------|---------|------------|--------|------------|--------|------------|--------|
|                   | $\angle$ ° | 360°    | $\angle$ ° | 360°   | $\angle$ ° | 360°   | $\angle$ ° | 360°   |
| 10                | 70.0       | 136,200 | 74.0       | 89,000 | 77.0       | 77,000 | 79.5       | 74,000 |
| 12                | 67.0       | 120,100 | 71.5       | 87,100 | 75.0       | 72,200 | 77.5       | 74,000 |
| 15                | 62.0       | 87,300  | 68.0       | 80,000 | 72.0       | 66,000 | 75.0       | 68,500 |
| 20                | 53.0       | 49,100  | 61.0       | 51,400 | 66.5       | 52,700 | 70.5       | 53,300 |
| 25                | 43.0       | 32,100  | 54.0       | 34,500 | 61.0       | 35,700 | 66.0       | 36,200 |
| 30                | 29.5       | 22,600  | 46.0       | 24,900 | 55.0       | 26,100 | 61.0       | 26,600 |
| 35                |            |         | 36.5       | 18,700 | 49.0       | 19,900 | 56.0       | 20,500 |
| 40                |            |         | 23.5       | 14,300 | 41.5       | 15,500 | 51.0       | 16,100 |
| 45                |            |         |            |        | 33.0       | 12,400 | 45.0       | 12,900 |
| 50                |            |         |            |        | 21.5       | 9,900  | 38.5       | 10,500 |
| 55                |            |         |            |        |            |        | 30.5       | 8,600  |
| 60                |            |         |            |        |            |        | 19.5       | 7,000  |
| Min.Bm. Ang./Cap. | 0.0        | 17,400  | 0.0        | 12,300 | 0.0        | 8,700  | 0.0        | 6,100  |
| Radius (ft)       | 34.0       |         | 43.0       |        | 53.0       |        | 63.0       |        |

| Load Radius (ft)  | 80.0 ft    |        | 90.0 ft    |        | 100.0 ft   |        | 113.1 ft   |        |
|-------------------|------------|--------|------------|--------|------------|--------|------------|--------|
|                   | $\angle$ ° | 360°   | $\angle$ ° | 360°   | $\angle$ ° | 360°   | $\angle$ ° | 360°   |
| 12                | 79.5       | 57,000 |            |        |            |        |            |        |
| 15                | 77.5       | 51,900 | 79.5       | 48,700 |            |        |            |        |
| 20                | 73.5       | 44,900 | 76.0       | 42,800 | 78.5       | 42,500 |            |        |
| 25                | 70.0       | 36,600 | 72.5       | 36,500 | 75.5       | 36,300 | 78.0       | 32,800 |
| 30                | 65.5       | 26,900 | 69.0       | 26,800 | 72.0       | 26,600 | 75.0       | 26,300 |
| 35                | 61.5       | 20,800 | 65.5       | 20,800 | 68.5       | 20,500 | 72.0       | 20,300 |
| 40                | 57.0       | 16,500 | 61.5       | 16,500 | 65.0       | 16,300 | 69.0       | 16,000 |
| 45                | 52.5       | 13,300 | 57.5       | 13,300 | 61.5       | 13,100 | 66.0       | 12,900 |
| 50                | 47.5       | 10,900 | 53.5       | 11,000 | 58.0       | 10,800 | 63.0       | 10,600 |
| 55                | 42.0       | 9,000  | 49.0       | 9,000  | 54.5       | 8,900  | 60.0       | 8,700  |
| 60                | 36.0       | 7,400  | 44.5       | 7,400  | 50.5       | 7,300  | 56.5       | 7,200  |
| 65                | 28.5       | 6,100  | 39.5       | 6,100  | 46.5       | 6,000  | 53.5       | 5,900  |
| 70                | 18.5       | 5,000  | 34.0       | 5,000  | 42.5       | 4,900  | 50.0       | 4,800  |
| 75                |            |        | 27.0       | 4,100  | 37.5       | 4,000  | 46.5       | 3,800  |
| 80                |            |        | 17.5       | 3,300  | 32.0       | 3,200  | 42.5       | 3,000  |
| 85                |            |        |            |        | 25.5       | 2,500  | 38.5       | 2,300  |
| 90                |            |        |            |        | 16.5       | 1,800  | 33.5       | 1,700  |
| 95                |            |        |            |        |            |        | 28.0       | 1,200  |
| Min.Bm. Ang./Cap. | 0.0        | 4,400  | 0.0        | 2,800  | 0.0        | 1,500  | 24.0       |        |
| Radius (ft)       | 73.0       |        | 83.0       |        | 93.0       |        | 98.0       |        |

**SN: P9L4-7599**

**Rated Lifting Capacities  
In Pounds**



**Intermediate**



**18,400 lb**



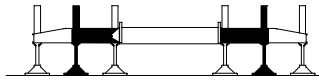
| Load<br>Radius<br>(ft) | 41.0 ft    |         | 50.0 ft    |        | 60.0 ft    |        | 70.0 ft    |        |
|------------------------|------------|---------|------------|--------|------------|--------|------------|--------|
|                        | $\angle$ ° | 360°    | $\angle$ ° | 360°   | $\angle$ ° | 360°   | $\angle$ ° | 360°   |
| 10                     | 70.0       | 136,200 | 74.0       | 89,000 | 77.0       | 77,000 | 79.5       | 74,400 |
| 12                     | 67.0       | 120,100 | 71.5       | 87,100 | 75.0       | 72,200 | 77.5       | 74,300 |
| 15                     | 62.0       | 87,300  | 68.0       | 80,000 | 72.0       | 66,000 | 75.0       | 68,700 |
| 20                     | 53.0       | 49,100  | 61.0       | 51,400 | 66.5       | 52,700 | 70.5       | 53,200 |
| 25                     | 43.0       | 32,100  | 54.0       | 34,500 | 61.0       | 35,700 | 66.0       | 36,200 |
| 30                     | 29.5       | 22,600  | 46.0       | 24,900 | 55.0       | 26,100 | 61.0       | 26,500 |
| 35                     |            |         | 36.5       | 18,700 | 49.0       | 19,900 | 56.0       | 20,400 |
| 40                     |            |         | 23.5       | 14,300 | 41.5       | 15,500 | 50.5       | 16,100 |
| 45                     |            |         |            |        | 33.0       | 12,400 | 45.0       | 12,900 |
| 50                     |            |         |            |        | 21.5       | 9,900  | 38.5       | 10,500 |
| 55                     |            |         |            |        |            |        | 30.5       | 8,500  |
| 60                     |            |         |            |        |            |        | 19.5       | 6,900  |
| Min.Bm.<br>Ang./Cap.   | 0.0        | 17,400  | 0.0        | 12,300 | 0.0        | 8,700  | 0.0        | 6,100  |
| Radius (ft)            | 34.0       |         | 43.0       |        | 53.0       |        | 63.0       |        |

| Load<br>Radius<br>(ft) | 80.0 ft    |        | 90.0 ft    |        | 98.7 ft    |        |
|------------------------|------------|--------|------------|--------|------------|--------|
|                        | $\angle$ ° | 360°   | $\angle$ ° | 360°   | $\angle$ ° | 360°   |
| 12                     | 79.5       | 62,800 |            |        |            |        |
| 15                     | 77.5       | 62,800 | 79.5       | 61,400 |            |        |
| 20                     | 73.5       | 52,900 | 76.5       | 52,600 | 78.0       | 47,900 |
| 25                     | 69.5       | 35,900 | 72.5       | 35,700 | 75.0       | 35,500 |
| 30                     | 65.5       | 26,300 | 69.0       | 26,100 | 71.5       | 25,900 |
| 35                     | 61.0       | 20,200 | 65.0       | 20,100 | 68.0       | 19,900 |
| 40                     | 57.0       | 16,000 | 61.5       | 15,800 | 64.5       | 15,700 |
| 45                     | 52.0       | 12,800 | 57.5       | 12,700 | 61.0       | 12,600 |
| 50                     | 47.0       | 10,400 | 53.5       | 10,300 | 57.5       | 10,200 |
| 55                     | 42.0       | 8,400  | 49.0       | 8,400  | 54.0       | 8,300  |
| 60                     | 35.5       | 6,900  | 44.5       | 6,800  | 50.0       | 6,800  |
| 65                     | 28.5       | 5,600  | 39.5       | 5,500  | 46.0       | 5,500  |
| 70                     | 18.5       | 4,500  | 33.5       | 4,400  | 41.5       | 4,400  |
| 75                     |            |        | 27.0       | 3,500  | 36.5       | 3,400  |
| 80                     |            |        | 17.5       | 2,700  | 31.0       | 2,600  |
| 85                     |            |        |            |        | 24.0       | 1,900  |
| 90                     |            |        |            |        | 13.5       | 1,300  |
| Min.Bm.<br>Ang./Cap.   | 0.0        | 3,900  | 0.0        | 2,200  | 0.0        | 1,100  |
| Radius (ft)            | 73.0       |        | 83.0       |        | 91.7       |        |

**SN: P9L4-7599**



**Fixed Boom Lengths  
Rated Lifting Capacities  
In Pounds  
See Operation Note 10.**



**Intermediate**



**18,400 lb**

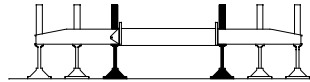


| Load Radius (ft)  | 41.0 ft    |         | 47.0 ft    |         |
|-------------------|------------|---------|------------|---------|
|                   | $\angle$ ° | 360°    | $\angle$ ° | 360°    |
| 10                | 70.0       | 136,200 | 73.0       | 110,700 |
| 12                | 67.0       | 120,100 | 70.0       | 105,000 |
| 15                | 62.0       | 87,300  | 66.0       | 89,400  |
| 20                | 53.0       | 49,100  | 59.0       | 50,800  |
| 25                | 43.0       | 32,100  | 51.0       | 33,800  |
| 30                | 29.5       | 22,600  | 42.0       | 24,200  |
| 35                |            |         | 30.5       | 18,000  |
| Min.Bm. Ang./Cap. | 0.0        | 17,400  | 0.0        | 13,700  |
| Radius (ft)       | 34.0       |         | 40.0       |         |

| Load Radius (ft)  | 61.3 ft    |         | 76.0 ft    |        |
|-------------------|------------|---------|------------|--------|
|                   | $\angle$ ° | 360°    | $\angle$ ° | 360°   |
| 10                | 77.5       | 106,900 |            |        |
| 12                | 75.5       | 106,900 | 79.0       | 81,000 |
| 15                | 72.5       | 91,200  | 77.0       | 77,400 |
| 20                | 67.0       | 52,200  | 72.5       | 51,900 |
| 25                | 61.5       | 35,200  | 68.0       | 35,000 |
| 30                | 56.0       | 25,700  | 64.0       | 25,600 |
| 35                | 50.0       | 19,500  | 59.5       | 19,500 |
| 40                | 43.0       | 15,200  | 54.5       | 15,200 |
| 45                | 35.0       | 12,000  | 49.5       | 12,100 |
| 50                | 24.5       | 9,600   | 44.0       | 9,700  |
| 55                |            |         | 38.0       | 7,700  |
| 60                |            |         | 31.0       | 6,200  |
| 65                |            |         | 21.5       | 4,900  |
| Min.Bm. Ang./Cap. | 0.0        | 7,900   | 0.0        | 4,000  |
| Radius (ft)       | 54.3       |         | 69.0       |        |

**SN: P9L4-7599**

**Rated Lifting Capacities  
In Pounds**



**Retracted**

**7,200 lb**

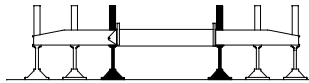


| Load<br>Radius<br>(ft) | 41.0 ft    |        | 50.0 ft    |        | 60.0 ft    |        |
|------------------------|------------|--------|------------|--------|------------|--------|
|                        | $\angle$ ° | 360°   | $\angle$ ° | 360°   | $\angle$ ° | 360°   |
| 10                     | 69.5       | 53,400 | 73.5       | 56,100 | 77.0       | 58,100 |
| 12                     | 66.5       | 37,900 | 71.0       | 40,200 | 75.0       | 42,000 |
| 15                     | 61.5       | 24,900 | 67.5       | 27,100 | 71.5       | 28,600 |
| 20                     | 53.0       | 13,800 | 60.5       | 15,900 | 66.5       | 17,500 |
| 25                     | 43.0       | 7,900  | 53.5       | 10,000 | 60.5       | 11,500 |
| 30                     | 29.5       | 4,200  | 45.5       | 6,200  | 55.0       | 7,700  |
| 35                     |            |        | 36.5       | 3,700  | 48.5       | 5,100  |
| 40                     |            |        | 23.5       | 1,800  | 41.5       | 3,200  |
| 45                     |            |        |            |        | 33.0       | 1,800  |
| Min.Bm.<br>Ang./Cap.   | 0.0        | 2,100  | 0.0        | 900    | 23.5       |        |
| Radius (ft)            | 34.0       |        | 43.0       |        | 49.1       |        |

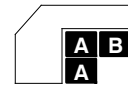
| Load<br>Radius<br>(ft) | 70.0 ft    |        | 80.0 ft    |        | 90.0 ft    |        |
|------------------------|------------|--------|------------|--------|------------|--------|
|                        | $\angle$ ° | 360°   | $\angle$ ° | 360°   | $\angle$ ° | 360°   |
| 10                     | 79.0       | 49,800 |            |        |            |        |
| 12                     | 77.5       | 43,100 | 79.5       | 42,400 |            |        |
| 15                     | 74.5       | 29,700 | 77.0       | 29,900 | 79.0       | 30,200 |
| 20                     | 70.0       | 18,300 | 73.0       | 18,600 | 75.0       | 18,800 |
| 25                     | 65.5       | 12,400 | 69.0       | 12,700 | 71.5       | 12,800 |
| 30                     | 61.0       | 8,600  | 65.0       | 9,000  | 68.0       | 9,100  |
| 35                     | 56.0       | 6,000  | 61.0       | 6,400  | 64.5       | 6,600  |
| 40                     | 50.5       | 4,100  | 56.5       | 4,500  | 61.0       | 4,700  |
| 45                     | 44.5       | 2,700  | 52.0       | 3,000  | 57.0       | 3,300  |
| 50                     | 38.0       | 1,600  | 47.0       | 1,900  | 53.0       | 2,100  |
| 55                     |            |        | 41.5       | 1,000  | 48.5       | 1,200  |
| Min.Bm.<br>Ang./Cap.   | 32.0       |        | 40.5       |        | 46.5       |        |
| Radius (ft)            | 53.9       |        | 56.0       |        | 57.1       |        |

**SN: P9L4-7599**

**Rated Lifting Capacities  
In Pounds**



**Retracted**



**10,800 lb**



| Load<br>Radius<br>(ft) | 41.0 ft    |        | 50.0 ft    |        | 60.0 ft    |        | 70.0 ft    |        |
|------------------------|------------|--------|------------|--------|------------|--------|------------|--------|
|                        | $\angle$ ° | 360°   | $\angle$ ° | 360°   | $\angle$ ° | 360°   | $\angle$ ° | 360°   |
| 10                     | 69.5       | 61,000 | 74.0       | 63,700 |            |        |            |        |
| 12                     | 66.5       | 43,600 | 71.0       | 46,000 | 75.0       | 47,700 |            |        |
| 15                     | 61.5       | 29,100 | 67.5       | 31,300 | 71.5       | 32,800 | 75.0       | 33,800 |
| 20                     | 53.0       | 16,700 | 61.0       | 18,800 | 66.5       | 20,300 | 70.5       | 21,200 |
| 25                     | 43.0       | 10,100 | 53.5       | 12,200 | 61.0       | 13,600 | 65.5       | 14,600 |
| 30                     | 29.5       | 6,000  | 45.5       | 8,000  | 55.0       | 9,500  | 61.0       | 10,400 |
| 35                     |            |        | 36.5       | 5,200  | 48.5       | 6,600  | 56.0       | 7,500  |
| 40                     |            |        | 23.5       | 3,100  | 41.5       | 4,500  | 50.5       | 5,400  |
| 45                     |            |        |            |        | 33.0       | 3,000  | 44.5       | 3,800  |
| 50                     |            |        |            |        | 21.5       | 1,700  | 38.0       | 2,600  |
| 55                     |            |        |            |        |            |        | 30.5       | 1,600  |
| Min.Bm.<br>Ang./Cap.   | 0.0        | 3,600  | 0.0        | 2,100  | 0.0        | 1,100  | 21.0       |        |
| Radius (ft)            | 34.0       |        | 43.0       |        | 53.0       |        | 59.4       |        |

| Load<br>Radius<br>(ft) | 80.0 ft    |        | 90.0 ft    |        | 100.0 ft   |        |
|------------------------|------------|--------|------------|--------|------------|--------|
|                        | $\angle$ ° | 360°   | $\angle$ ° | 360°   | $\angle$ ° | 360°   |
| 20                     | 73.0       | 21,500 | 75.5       | 21,700 |            |        |
| 25                     | 69.0       | 14,800 | 72.0       | 15,000 | 74.0       | 15,000 |
| 30                     | 65.0       | 10,700 | 68.5       | 10,900 | 71.0       | 11,000 |
| 35                     | 61.0       | 7,800  | 64.5       | 8,100  | 67.5       | 8,100  |
| 40                     | 56.5       | 5,800  | 61.0       | 6,000  | 64.5       | 6,100  |
| 45                     | 52.0       | 4,200  | 57.0       | 4,400  | 61.0       | 4,500  |
| 50                     | 47.0       | 2,900  | 53.0       | 3,200  | 57.5       | 3,300  |
| 55                     | 41.5       | 1,900  | 48.5       | 2,200  | 54.0       | 2,200  |
| 60                     | 35.5       | 1,100  | 44.0       | 1,300  | 50.0       | 1,400  |
| Min.Bm.<br>Ang./Cap.   | 33.5       |        | 41.0       |        | 47.0       |        |
| Radius (ft)            | 61.4       |        | 62.9       |        | 63.6       |        |

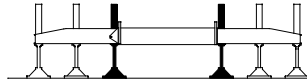


**WARNING**

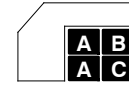
**Do Not Raise Boom Above 76° Boom Angle. Loss Of Backward Stability Will Occur Causing a Tipping Condition.**

**SN: P9L4-7599**

**Rated Lifting Capacities  
In Pounds**



**Retracted**



**13,000 lb**



| Load<br>Radius<br>(ft) | 41.0 ft    |        | 50.0 ft    |        | 60.0 ft    |        | 70.0 ft    |        |
|------------------------|------------|--------|------------|--------|------------|--------|------------|--------|
|                        | $\angle$ ° | 360°   | $\angle$ ° | 360°   | $\angle$ ° | 360°   | $\angle$ ° | 360°   |
| 10                     | 69.5       | 65,300 | 71.0       | 49,300 | 71.5       | 35,200 | 70.5       | 22,900 |
| 12                     | 66.5       | 46,900 |            |        |            |        |            | 15,800 |
| 15                     | 61.5       | 31,500 | 67.5       | 33,700 | 66.5       | 22,000 | 65.5       | 11,400 |
| 20                     | 53.0       | 18,300 | 60.5       | 20,500 | 60.5       | 14,900 | 61.0       | 8,400  |
| 25                     | 43.0       | 11,400 | 53.5       | 13,400 | 48.5       | 7,500  | 56.0       | 6,200  |
| 30                     | 29.5       | 7,100  | 45.5       | 9,100  | 41.5       | 5,300  | 50.5       | 4,500  |
| 35                     |            |        | 36.5       | 6,100  | 33.0       | 3,600  | 44.5       | 3,200  |
| 40                     |            |        | 23.5       | 3,900  | 21.5       | 2,300  | 38.0       | 2,100  |
| 45                     |            |        |            |        |            |        | 30.5       |        |
| 50                     |            |        |            |        |            |        |            |        |
| 55                     |            |        |            |        |            |        |            |        |
| Min.Bm.<br>Ang./Cap.   | 0.0        | 4,500  | 0.0        | 2,800  | 0.0        | 1,600  | 19.5       |        |
| Radius (ft)            | 34.0       |        | 43.0       |        | 53.0       |        | 60.0       |        |

| Load<br>Radius<br>(ft) | 80.0 ft    |        | 90.0 ft    |        | 100.0 ft   |        | 110.0 ft   |        |
|------------------------|------------|--------|------------|--------|------------|--------|------------|--------|
|                        | $\angle$ ° | 360°   | $\angle$ ° | 360°   | $\angle$ ° | 360°   | $\angle$ ° | 360°   |
| 20                     | 73.0       | 23,200 | 71.5       | 16,200 | 71.0       | 12,000 | 73.0       | 11,700 |
| 25                     | 69.0       | 16,100 |            |        |            |        |            | 8,800  |
| 30                     | 65.0       | 11,800 | 68.0       | 12,000 | 67.5       | 9,000  | 70.0       | 6,600  |
| 35                     | 61.0       | 8,700  | 64.5       | 9,000  | 64.0       | 6,800  | 67.0       | 5,000  |
| 40                     | 56.5       | 6,500  | 61.0       | 6,700  | 61.0       | 5,200  | 64.0       | 3,700  |
| 45                     | 52.0       | 4,800  | 57.0       | 5,100  | 57.5       | 3,800  | 61.0       | 2,600  |
| 50                     | 47.0       | 3,500  | 53.0       | 3,700  | 54.0       | 2,800  | 58.0       | 1,700  |
| 55                     | 41.5       | 2,400  | 48.5       | 2,700  | 46.0       | 1,200  | 51.5       | 1,000  |
| 60                     | 35.5       | 1,600  | 44.0       | 1,800  |            |        |            |        |
| 65                     |            |        | 39.0       | 1,100  |            |        |            |        |
| Min.Bm.<br>Ang./Cap.   | 28.5       |        | 36.5       |        | 43.5       |        | 50.5       |        |
| Radius (ft)            | 65.0       |        | 67.1       |        | 67.9       |        | 66.3       |        |

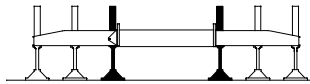


**WARNING**

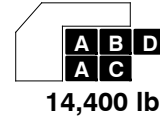
**Do Not Raise Boom Above 73° Boom Angle. Loss Of Backward Stability Will Occur Causing a Tipping Condition.**

**SN: P9L4-7599**

**Rated Lifting Capacities  
In Pounds**



**Retracted**



| Load<br>Radius<br>(ft) | 41.0 ft        |        | 50.0 ft        |        | 60.0 ft        |        | 70.0 ft        |        |
|------------------------|----------------|--------|----------------|--------|----------------|--------|----------------|--------|
|                        | $\angle^\circ$ | 360°   | $\angle^\circ$ | 360°   | $\angle^\circ$ | 360°   | $\angle^\circ$ | 360°   |
| 10                     | 69.5           | 68,500 |                |        |                |        |                |        |
| 12                     | 66.5           | 49,300 |                |        |                |        |                |        |
| 15                     | 61.5           | 33,300 | 67.5           | 35,500 |                |        |                |        |
| 20                     | 53.0           | 19,600 | 61.0           | 21,700 | 66.5           | 23,200 |                |        |
| 25                     | 43.0           | 12,300 | 53.5           | 14,300 | 61.0           | 15,800 | 65.5           | 16,800 |
| 30                     | 29.5           | 7,800  | 45.5           | 9,800  | 55.0           | 11,200 | 61.0           | 12,200 |
| 35                     |                |        | 36.5           | 6,700  | 48.5           | 8,100  | 56.0           | 9,000  |
| 40                     |                |        | 23.5           | 4,400  | 41.5           | 5,800  | 50.5           | 6,700  |
| 45                     |                |        |                |        | 33.0           | 4,100  | 44.5           | 5,000  |
| 50                     |                |        |                |        | 21.5           | 2,700  | 38.0           | 3,600  |
| 55                     |                |        |                |        |                |        | 30.5           | 2,500  |
| 60                     |                |        |                |        |                |        | 19.5           | 1,600  |
| Min.Bm.<br>Ang./Cap.   | 0.0            | 5,200  | 0.0            | 3,300  | 0.0            | 2,000  | 0.0            | 1,100  |
| Radius (ft)            | 34.0           |        | 43.0           |        | 53.0           |        | 63.0           |        |

| Load<br>Radius<br>(ft) | 80.0 ft        |        | 90.0 ft        |        | 100.0 ft       |       | 110.0 ft       |       |
|------------------------|----------------|--------|----------------|--------|----------------|-------|----------------|-------|
|                        | $\angle^\circ$ | 360°   | $\angle^\circ$ | 360°   | $\angle^\circ$ | 360°  | $\angle^\circ$ | 360°  |
| 25                     | 69.0           | 17,000 |                |        |                |       |                |       |
| 30                     | 65.0           | 12,500 | 68.5           | 12,700 |                |       |                |       |
| 35                     | 61.0           | 9,300  | 64.5           | 9,600  | 67.5           | 9,600 |                |       |
| 40                     | 56.5           | 7,000  | 61.0           | 7,300  | 64.5           | 7,400 | 67.0           | 7,200 |
| 45                     | 52.0           | 5,300  | 57.0           | 5,500  | 61.0           | 5,600 | 64.0           | 5,400 |
| 50                     | 47.0           | 3,900  | 53.0           | 4,200  | 57.5           | 4,300 | 61.0           | 4,100 |
| 55                     | 41.5           | 2,800  | 49.0           | 3,100  | 54.0           | 3,200 | 58.0           | 3,000 |
| 60                     | 35.5           | 1,900  | 44.0           | 2,200  | 50.0           | 2,300 | 54.5           | 2,100 |
| 65                     | 28.5           | 1,200  | 39.0           | 1,400  | 46.0           | 1,500 | 51.5           | 1,300 |
| Min.Bm.<br>Ang./Cap.   | 24.0           |        | 34.5           |        | 42.0           |       | 49.0           |       |
| Radius (ft)            | 67.1           |        | 69.2           |        | 70.0           |       | 68.3           |       |

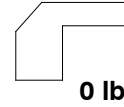


**WARNING**

**Do Not Raise Boom Above 70° Boom Angle. Loss Of Backward Stability Will Occur Causing a Tipping Condition.**

**SN: P9L4-7599**

**Rated Lifting Capacities In Pounds  
On Tires - Stationary  
Boom Centered Over Rear**

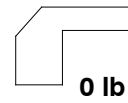


| Load<br>Radius<br>(ft) | 80.0 ft        |        | 50.0 ft        |        | 60.0 ft        |        |
|------------------------|----------------|--------|----------------|--------|----------------|--------|
|                        | $\angle^\circ$ | Rear   | $\angle^\circ$ | Rear   | $\angle^\circ$ | Rear   |
| 10                     | 69.5           | 33,800 | 71.0           | 31,500 | 74.5           | 26,500 |
| 12                     | 66.5           | 30,600 |                |        |                |        |
| 15                     | 61.5           | 23,500 |                |        |                |        |
| 20                     | 53.0           | 14,100 | 60.5           | 15,900 | 66.5           | 17,200 |
| 25                     | 43.0           | 8,900  | 53.5           | 10,600 | 60.5           | 11,800 |
| 30                     | 29.5           | 5,500  | 45.5           | 7,200  | 55.0           | 8,400  |
| 35                     |                |        | 36.5           | 4,800  | 48.5           | 6,000  |
| 40                     |                |        | 23.5           | 3,100  | 41.5           | 4,300  |
| 45                     |                |        |                |        | 33.0           | 2,900  |
| 50                     |                |        |                |        | 21.5           | 1,900  |
| Min.Bm.<br>Ang./Cap.   | 0.0            | 3,500  | 0.0            | 2,200  | 0.0            | 1,300  |
| Radius (ft)            | 34.0           |        | 43.0           |        | 53.0           |        |

| Load<br>Radius<br>(ft) | 70.0 ft        |        | 80.0 ft        |        | 90.0 ft        |        |
|------------------------|----------------|--------|----------------|--------|----------------|--------|
|                        | $\angle^\circ$ | Rear   | $\angle^\circ$ | Rear   | $\angle^\circ$ | Rear   |
| 15                     | 74.5           | 20,300 | 73.0           | 16,600 | 71.5           | 13,000 |
| 20                     | 70.0           | 17,900 |                |        |                |        |
| 25                     | 65.5           | 12,700 |                |        |                |        |
| 30                     | 61.0           | 9,200  | 69.0           | 12,800 | 68.0           | 9,700  |
| 35                     | 56.0           | 6,800  | 65.0           | 9,500  | 64.5           | 7,300  |
| 40                     | 50.5           | 5,000  | 61.0           | 7,100  | 61.0           | 5,500  |
| 45                     | 44.5           | 3,700  | 56.5           | 5,300  | 57.0           | 4,100  |
| 50                     | 38.0           | 2,600  | 52.0           | 3,900  | 53.0           | 3,100  |
| 55                     | 30.5           | 1,700  | 47.0           | 2,900  | 48.5           | 2,200  |
| 60                     | 19.5           | 1,000  | 41.5           | 2,000  | 44.0           | 1,500  |
| Min.Bm.<br>Ang./Cap.   | 17.5           |        | 35.5           | 1,300  | 39.5           |        |
| Radius (ft)            | 61.0           |        | 62.5           |        | 64.7           |        |

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**Rated Lifting Capacities In Pounds  
On Tires - Pick & Carry - 1 mph  
Boom Centered Over Rear**



| Load<br>Radius<br>(ft) | 41.0 ft        |        | 50.0 ft        |        | 60.0 ft        |        |
|------------------------|----------------|--------|----------------|--------|----------------|--------|
|                        | $\angle^\circ$ | Rear   | $\angle^\circ$ | Rear   | $\angle^\circ$ | Rear   |
| 10                     | 69.5           | 23,900 |                |        |                |        |
| 12                     | 66.5           | 21,300 | 71.0           | 22,200 | 74.5           | 22,900 |
| 15                     | 61.5           | 18,100 | 67.5           | 19,100 | 71.5           | 19,900 |
| 20                     | 53.0           | 14,000 | 60.5           | 15,100 | 66.5           | 15,900 |
| 25                     | 43.0           | 8,900  | 53.5           | 10,600 | 60.5           | 11,800 |
| 30                     | 29.5           | 5,500  | 45.5           | 7,200  | 55.0           | 8,400  |
| 35                     |                |        | 36.5           | 4,800  | 48.5           | 6,000  |
| 40                     |                |        | 23.5           | 3,100  | 41.5           | 4,300  |
| 45                     |                |        |                |        | 33.0           | 2,900  |
| 50                     |                |        |                |        | 21.5           | 1,900  |
| Min.Bm.<br>Ang./Cap.   | 0.0            | 3,500  | 0.0            | 2,200  | 0.0            | 1,300  |
| Radius (ft)            | 34.0           |        | 43.0           |        | 53.0           |        |

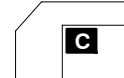
| Load<br>Radius<br>(ft) | 70.0 ft        |        | 80.0 ft        |        | 90.0 ft        |        |
|------------------------|----------------|--------|----------------|--------|----------------|--------|
|                        | $\angle^\circ$ | Rear   | $\angle^\circ$ | Rear   | $\angle^\circ$ | Rear   |
| 15                     | 74.5           | 20,300 |                |        |                |        |
| 20                     | 70.0           | 16,400 | 73.0           | 16,600 |                |        |
| 25                     | 65.5           | 12,700 | 69.0           | 12,800 | 71.5           | 13,000 |
| 30                     | 61.0           | 9,200  | 65.0           | 9,500  | 68.0           | 9,700  |
| 35                     | 56.0           | 6,800  | 61.0           | 7,100  | 64.5           | 7,300  |
| 40                     | 50.5           | 5,000  | 56.5           | 5,300  | 61.0           | 5,500  |
| 45                     | 44.5           | 3,700  | 52.0           | 3,900  | 57.0           | 4,100  |
| 50                     | 38.0           | 2,600  | 47.0           | 2,900  | 53.0           | 3,100  |
| 55                     | 30.5           | 1,700  | 41.5           | 2,000  | 48.5           | 2,200  |
| 60                     | 19.5           | 1,000  | 35.5           | 1,300  | 44.0           | 1,500  |
| Min.Bm.<br>Ang./Cap.   | 17.5           |        | 31.5           |        | 39.5           |        |
| Radius (ft)            | 61.0           |        | 62.7           |        | 64.7           |        |

SN: P9L4-7599

**Rated Lifting Capacities In Pounds  
On Tires - Stationary  
Boom Centered Over Rear**



**On Tires**



**2,200 lb**



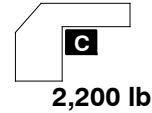
| Load Radius (ft)  | 41.0 ft    |        | 50.0 ft    |        | 60.0 ft    |        |
|-------------------|------------|--------|------------|--------|------------|--------|
|                   | $\angle$ ° | Rear   | $\angle$ ° | Rear   | $\angle$ ° | Rear   |
| 10.0              | 69.5       | 33,800 | 71.0       | 31,400 | 74.5       | 28,200 |
| 12.0              | 66.5       | 30,600 |            | 25,900 | 71.5       | 27,200 |
| 15.0              | 61.5       | 24,100 |            | 16,300 | 66.0       | 17,600 |
| 20.0              | 53.0       | 14,600 | 60.5       | 11,000 | 60.5       | 12,200 |
| 25.0              | 43.0       | 9,300  | 53.5       | 7,500  | 55.0       | 8,700  |
| 30.0              | 29.5       | 5,800  | 45.5       | 5,100  | 48.5       | 6,300  |
| 35.0              |            |        | 36.5       | 3,300  | 41.5       | 4,500  |
| 40.0              |            |        | 23.5       |        | 33.0       | 3,100  |
| 45.0              |            |        |            |        | 21.5       | 2,000  |
| 50.0              |            |        |            |        |            |        |
| Min.Bm. Ang./Cap. | 0.0        | 3,800  | 0.0        | 2,400  | 0.0        | 1,500  |
| Radius (ft)       | 34.0       |        | 43.0       |        | 53.0       |        |

| Load Radius (ft)  | 70.0 ft    |        | 80.0 ft    |        | 90.0 ft    |        |
|-------------------|------------|--------|------------|--------|------------|--------|
|                   | $\angle$ ° | Rear   | $\angle$ ° | Rear   | $\angle$ ° | Rear   |
| 15.0              | 74.5       | 20,300 | 73.0       | 16,600 | 71.5       | 13,300 |
| 20.0              | 70.0       | 18,400 |            | 13,200 |            | 10,000 |
| 25.0              | 65.5       | 12,900 |            | 9,800  |            | 7,500  |
| 30.0              | 61.0       | 9,500  | 65.0       | 7,300  | 68.0       | 5,700  |
| 35.0              | 55.5       | 7,000  | 60.5       | 5,500  | 64.5       | 4,300  |
| 40.0              | 50.5       | 5,200  | 56.5       | 4,100  | 61.0       | 3,200  |
| 45.0              | 44.5       | 3,900  | 52.0       | 3,000  | 57.0       | 2,300  |
| 50.0              | 38.0       | 2,800  | 47.0       | 2,100  | 53.0       | 1,600  |
| 55.0              | 30.5       | 1,900  | 41.5       | 800    | 48.5       | 1,000  |
| 60.0              | 19.5       | 1,200  | 35.5       |        | 44.0       |        |
| 65.0              |            |        | 28.5       |        | 39.0       |        |
| Min.Bm. Ang./Cap. | 0.0        | 800    | 27.5       |        | 36.5       |        |
| Radius (ft)       | 63.0       |        | 65.6       |        | 67.5       |        |

**SN: P9L4-7599**



**Rated Lifting Capacities In Pounds  
On Tires - Pick & Carry - 1 mph  
Boom Centered Over Rear**



| Load Radius (ft)  | 41.0 ft        |        | 50.0 ft        |        | 60.0 ft        |        |
|-------------------|----------------|--------|----------------|--------|----------------|--------|
|                   | $\angle^\circ$ | Rear   | $\angle^\circ$ | Rear   | $\angle^\circ$ | Rear   |
| 10.0              | 69.5           | 23,800 |                |        |                |        |
| 12.0              | 66.5           | 21,300 | 71.0           | 22,200 | 74.5           | 22,900 |
| 15.0              | 61.5           | 18,100 | 67.5           | 19,100 | 71.5           | 19,900 |
| 20.0              | 53.0           | 14,000 | 60.5           | 15,100 | 66.0           | 15,900 |
| 25.0              | 43.0           | 9,300  | 53.5           | 11,000 | 60.5           | 12,200 |
| 30.0              | 29.5           | 5,800  | 45.5           | 7,500  | 55.0           | 8,700  |
| 35.0              |                |        | 36.5           | 5,100  | 48.5           | 6,300  |
| 40.0              |                |        | 23.5           | 3,300  | 41.5           | 4,500  |
| 45.0              |                |        |                |        | 33.0           | 3,100  |
| 50.0              |                |        |                |        | 21.5           | 2,000  |
| Min.Bm. Ang./Cap. | 0.0            | 3,800  | 0.0            | 2,400  | 0.0            | 1,500  |
| Radius (ft)       | 34.0           |        | 43.0           |        | 53.0           |        |

| Load Radius (ft)  | 70.0 ft        |        | 80.0 ft        |        | 90.0 ft        |        |
|-------------------|----------------|--------|----------------|--------|----------------|--------|
|                   | $\angle^\circ$ | Rear   | $\angle^\circ$ | Rear   | $\angle^\circ$ | Rear   |
| 15.0              | 74.5           | 20,300 |                |        |                |        |
| 20.0              | 70.0           | 16,400 | 73.0           | 16,600 |                |        |
| 25.0              | 65.5           | 12,900 | 69.0           | 13,200 | 71.5           | 13,300 |
| 30.0              | 61.0           | 9,500  | 65.0           | 9,800  | 68.0           | 10,000 |
| 35.0              | 55.5           | 7,000  | 60.5           | 7,300  | 64.5           | 7,500  |
| 40.0              | 50.5           | 5,200  | 56.5           | 5,500  | 61.0           | 5,700  |
| 45.0              | 44.5           | 3,900  | 52.0           | 4,100  | 57.0           | 4,300  |
| 50.0              | 38.0           | 2,800  | 47.0           | 3,000  | 53.0           | 3,200  |
| 55.0              | 30.5           | 1,900  | 41.5           | 2,100  | 48.5           | 2,300  |
| 60.0              | 19.5           | 1,200  | 35.5           | 1,400  | 44.0           | 1,600  |
| 65.0              |                |        | 28.5           | 800    | 39.0           | 1,000  |
| Min.Bm. Ang./Cap. | 0.0            | 800    | 27.5           |        | 36.5           |        |
| Radius (ft)       | 63.0           |        | 65.6           |        | 67.5           |        |

SN: P9L4-7599

**Rated Lifting Capacities In Pounds  
On Tires - Stationary  
Boom Centered Over Rear**



**On Tires**



**3,600 lb**



| Load<br>Radius<br>(ft) | 41.0 ft    |        | 50.0 ft    |        | 60.0 ft    |        |
|------------------------|------------|--------|------------|--------|------------|--------|
|                        | $\angle$ ° | Rear   | $\angle$ ° | Rear   | $\angle$ ° | Rear   |
| 10                     | 69.5       | 33,800 |            |        |            |        |
| 12                     | 66.5       | 30,600 | 71.0       | 31,400 | 74.5       | 28,200 |
| 15                     | 61.5       | 26,500 | 67.5       | 27,500 | 71.5       | 28,200 |
| 20                     | 53.0       | 16,400 | 61.0       | 18,100 | 66.5       | 19,400 |
| 25                     | 43.0       | 10,700 | 53.5       | 12,400 | 61.0       | 13,500 |
| 30                     | 29.5       | 7,000  | 45.5       | 8,600  | 55.0       | 9,800  |
| 35                     |            |        | 36.5       | 6,100  | 48.5       | 7,200  |
| 40                     |            |        | 23.5       | 4,100  | 41.5       | 5,300  |
| 45                     |            |        |            |        | 33.0       | 3,800  |
| 50                     |            |        |            |        | 21.5       | 2,700  |
| Min.Bm.<br>Ang./Cap.   | 0.0        | 4,800  | 0.0        | 3,200  | 0.0        | 2,100  |
| Radius (ft)            | 34.0       |        | 43.0       |        | 53.0       |        |

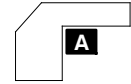
| Load<br>Radius<br>(ft) | 70.0 ft    |        | 80.0 ft    |        | 90.0 ft    |        |
|------------------------|------------|--------|------------|--------|------------|--------|
|                        | $\angle$ ° | Rear   | $\angle$ ° | Rear   | $\angle$ ° | Rear   |
| 15                     | 74.5       | 20,300 |            |        |            |        |
| 20                     | 70.0       | 20,100 | 73.0       | 16,600 |            |        |
| 25                     | 65.5       | 14,300 | 69.0       | 14,600 | 72.0       | 14,700 |
| 30                     | 61.0       | 10,600 | 65.0       | 10,900 | 68.5       | 11,100 |
| 35                     | 56.0       | 8,000  | 61.0       | 8,300  | 64.5       | 8,500  |
| 40                     | 50.5       | 6,100  | 56.5       | 6,300  | 61.0       | 6,500  |
| 45                     | 44.5       | 4,600  | 52.0       | 4,900  | 57.0       | 5,100  |
| 50                     | 38.0       | 3,400  | 47.0       | 3,700  | 53.0       | 3,900  |
| 55                     | 30.5       | 2,500  | 41.5       | 2,700  | 49.0       | 2,900  |
| 60                     | 19.5       | 1,700  | 35.5       | 2,000  | 44.0       | 2,200  |
| 65                     |            |        | 28.5       | 1,300  | 39.0       | 1,500  |
| Min.Bm.<br>Ang./Cap.   | 0.0        | 1,300  | 21.0       |        | 33.5       |        |
| Radius (ft)            | 63.0       |        | 68.7       |        | 70.0       |        |

**SN: P9L4-7599**

**Rated Lifting Capacities In Pounds  
On Tires - Pick & Carry - 1 mph  
Boom Centered Over Rear**



**On Tires**



**3,600 lb**



| Load<br>Radius<br>(ft) | 41.0 ft    |        | 50.0 ft    |        | 60.0 ft    |        |
|------------------------|------------|--------|------------|--------|------------|--------|
|                        | $\angle$ ° | Rear   | $\angle$ ° | Rear   | $\angle$ ° | Rear   |
| 10                     | 69.5       | 23,800 |            |        |            |        |
| 12                     | 66.5       | 21,300 | 71.0       | 22,200 | 74.5       | 22,900 |
| 15                     | 61.5       | 18,100 | 67.5       | 19,100 | 71.5       | 19,900 |
| 20                     | 53.0       | 14,000 | 60.5       | 15,100 | 66.5       | 15,900 |
| 25                     | 43.0       | 10,700 | 53.5       | 12,000 | 61.0       | 12,800 |
| 30                     | 29.5       | 7,000  | 45.5       | 8,600  | 55.0       | 9,800  |
| 35                     |            |        | 36.5       | 6,100  | 48.5       | 7,200  |
| 40                     |            |        | 23.5       | 4,100  | 41.5       | 5,300  |
| 45                     |            |        |            |        | 33.0       | 3,800  |
| 50                     |            |        |            |        | 21.5       | 2,700  |
| Min.Bm.<br>Ang./Cap.   | 0.0        | 4,800  | 0.0        | 3,200  | 0.0        | 2,100  |
| Radius (ft)            | 34.0       |        | 43.0       |        | 53.0       |        |

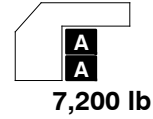
| Load<br>Radius<br>(ft) | 70.0 ft    |        | 80.0 ft    |        | 90.0 ft    |        |
|------------------------|------------|--------|------------|--------|------------|--------|
|                        | $\angle$ ° | Rear   | $\angle$ ° | Rear   | $\angle$ ° | Rear   |
| 15                     | 74.5       | 20,300 |            |        |            |        |
| 20                     | 70.0       | 16,400 | 73.0       | 16,600 |            |        |
| 25                     | 65.5       | 13,400 | 69.0       | 13,600 | 71.5       | 13,700 |
| 30                     | 61.0       | 10,600 | 65.0       | 10,900 | 68.5       | 11,100 |
| 35                     | 56.0       | 8,000  | 61.0       | 8,300  | 64.5       | 8,500  |
| 40                     | 50.5       | 6,100  | 56.5       | 6,300  | 61.0       | 6,500  |
| 45                     | 44.5       | 4,600  | 52.0       | 4,900  | 57.0       | 5,100  |
| 50                     | 38.0       | 3,400  | 47.0       | 3,700  | 53.0       | 3,900  |
| 55                     | 30.5       | 2,500  | 41.5       | 2,700  | 49.0       | 2,900  |
| 60                     | 19.5       | 1,700  | 35.5       | 2,000  | 44.0       | 2,200  |
| 65                     |            |        | 28.5       | 1,300  | 39.0       | 1,500  |
| Min.Bm.<br>Ang./Cap.   | 0.0        | 1,300  | 21.0       |        | 33.5       |        |
| Radius (ft)            | 63.0       |        | 68.7       |        | 70.0       |        |

**SN: P9L4-7599**

**Rated Lifting Capacities In Pounds  
On Tires - Stationary  
Boom Centered Over Rear**



**On Tires**



| Load<br>Radius<br>(ft) | 41.0 ft        |        | 50.0 ft        |        | 60.0 ft        |        |
|------------------------|----------------|--------|----------------|--------|----------------|--------|
|                        | $\angle^\circ$ | Rear   | $\angle^\circ$ | Rear   | $\angle^\circ$ | Rear   |
| 10                     | 69.5           | 33,700 |                |        |                |        |
| 12                     | 66.5           | 30,600 | 71.0           | 31,400 | 74.5           | 28,200 |
| 15                     | 61.5           | 26,500 | 67.5           | 27,500 | 71.5           | 28,200 |
| 20                     | 53.0           | 18,600 | 61.0           | 20,300 | 66.5           | 21,600 |
| 25                     | 43.0           | 12,400 | 53.5           | 14,000 | 61.0           | 15,300 |
| 30                     | 29.5           | 8,400  | 45.5           | 10,100 | 55.0           | 11,300 |
| 35                     |                |        | 36.5           | 7,300  | 48.5           | 8,400  |
| 40                     |                |        | 23.5           | 5,200  | 41.5           | 6,400  |
| 45                     |                |        |                |        | 33.0           | 4,800  |
| 50                     |                |        |                |        | 21.5           | 3,500  |
| Min.Bm.<br>Ang./Cap.   | 0.0            | 6,000  | 0.0            | 4,100  | 0.0            | 2,900  |
| Radius (ft)            | 34.0           |        | 43.0           |        | 53.0           |        |

| Load<br>Radius<br>(ft) | 70.0 ft        |        | 80.0 ft        |        | 90.0 ft        |        |
|------------------------|----------------|--------|----------------|--------|----------------|--------|
|                        | $\angle^\circ$ | Rear   | $\angle^\circ$ | Rear   | $\angle^\circ$ | Rear   |
| 15                     | 74.5           | 20,300 |                |        |                |        |
| 20                     | 70.5           | 20,300 | 73.0           | 16,600 |                |        |
| 25                     | 65.5           | 16,100 | 69.0           | 16,300 | 72.0           | 13,700 |
| 30                     | 61.0           | 12,000 | 65.0           | 12,300 | 68.5           | 12,500 |
| 35                     | 56.0           | 9,200  | 61.0           | 9,500  | 64.5           | 9,700  |
| 40                     | 50.5           | 7,100  | 56.5           | 7,400  | 61.0           | 7,600  |
| 45                     | 44.5           | 5,500  | 52.0           | 5,800  | 57.0           | 6,000  |
| 50                     | 38.0           | 4,300  | 47.0           | 4,500  | 53.0           | 4,700  |
| 55                     | 30.5           | 3,200  | 41.5           | 3,500  | 49.0           | 3,700  |
| 60                     | 19.5           | 2,400  | 35.5           | 2,600  | 44.0           | 2,800  |
| 65                     |                |        | 28.5           | 1,900  | 39.0           | 2,100  |
| 70                     |                |        | 18.5           | 1,300  | 33.5           | 1,500  |
| 75                     |                |        |                |        | 26.5           | 1,000  |
| Min.Bm.<br>Ang./Cap.   | 0.0            | 1,900  | 0.0            | 1,000  | 24.0           |        |
| Radius (ft)            | 63.0           |        | 73.0           |        | 76.3           |        |

**SN: P9L4-7599**

**Rated Lifting Capacities In Pounds  
On Tires - Pick & Carry - 1 mph  
Boom Centered Over Rear**



**On Tires**

**7,200 lb**



| Load<br>Radius<br>(ft) | 41.0 ft        |        | 50.0 ft        |        | 60.0 ft        |        |
|------------------------|----------------|--------|----------------|--------|----------------|--------|
|                        | $\angle^\circ$ | Rear   | $\angle^\circ$ | Rear   | $\angle^\circ$ | Rear   |
| 10                     | 69.5           | 23,800 |                |        |                |        |
| 12                     | 66.5           | 21,300 | 71.0           | 22,200 | 74.5           | 22,800 |
| 15                     | 61.5           | 18,100 | 67.5           | 19,100 | 71.5           | 19,800 |
| 20                     | 53.0           | 14,000 | 60.5           | 15,100 | 66.5           | 15,900 |
| 25                     | 43.0           | 10,800 | 53.5           | 12,000 | 61.0           | 12,800 |
| 30                     | 29.5           | 8,300  | 45.5           | 9,600  | 55.0           | 10,500 |
| 35                     |                |        | 36.5           | 7,300  | 48.5           | 8,400  |
| 40                     |                |        | 23.5           | 5,200  | 41.5           | 6,400  |
| 45                     |                |        |                |        | 33.0           | 4,800  |
| 50                     |                |        |                |        | 21.5           | 3,500  |
| Min.Bm.<br>Ang./Cap.   | 0.0            | 6,000  | 0.0            | 4,100  | 0.0            | 2,900  |
| Radius (ft)            | 34.0           |        | 43.0           |        | 53.0           |        |

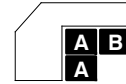
| Load<br>Radius<br>(ft) | 70.0 ft        |        | 80.0 ft        |        | 90.0 ft        |        |
|------------------------|----------------|--------|----------------|--------|----------------|--------|
|                        | $\angle^\circ$ | Rear   | $\angle^\circ$ | Rear   | $\angle^\circ$ | Rear   |
| 15                     | 74.5           | 20,300 |                |        |                |        |
| 20                     | 70.0           | 16,400 | 73.0           | 16,600 |                |        |
| 25                     | 65.5           | 13,400 | 69.0           | 13,600 | 71.5           | 13,700 |
| 30                     | 61.0           | 11,100 | 65.0           | 11,300 | 68.5           | 11,500 |
| 35                     | 56.0           | 9,200  | 61.0           | 9,400  | 64.5           | 9,600  |
| 40                     | 50.5           | 7,100  | 56.5           | 7,400  | 61.0           | 7,600  |
| 45                     | 44.5           | 5,500  | 52.0           | 5,800  | 57.0           | 6,000  |
| 50                     | 38.0           | 4,300  | 47.0           | 4,500  | 53.0           | 4,700  |
| 55                     | 30.5           | 3,200  | 41.5           | 3,500  | 49.0           | 3,700  |
| 60                     | 19.5           | 2,400  | 35.5           | 2,600  | 44.0           | 2,800  |
| 65                     |                |        | 28.5           | 1,900  | 39.0           | 2,100  |
| 70                     |                |        | 18.5           | 1,300  | 33.5           | 1,500  |
| 75                     |                |        |                |        | 26.5           | 1,000  |
| Min.Bm.<br>Ang./Cap.   | 0.0            | 1,900  | 0.0            | 1,000  | 24.0           |        |
| Radius (ft)            | 63.0           |        | 73.0           |        | 76.3           |        |

**SN: P9L4-7599**

**Rated Lifting Capacities In Pounds  
On Tires - Stationary  
Boom Centered Over Rear**



**On Tires**



**10,800 lb**



| Load<br>Radius<br>(ft) | 41.0 ft    |        | 50.0 ft    |        | 60.0 ft    |        |
|------------------------|------------|--------|------------|--------|------------|--------|
|                        | $\angle$ ° | Rear   | $\angle$ ° | Rear   | $\angle$ ° | Rear   |
| 10                     | 69.5       | 33,700 |            |        |            |        |
| 12                     | 66.5       | 30,500 | 71.0       | 31,400 | 74.5       | 32,000 |
| 15                     | 61.5       | 26,500 | 67.5       | 27,500 | 71.5       | 28,100 |
| 20                     | 53.0       | 20,800 | 61.0       | 22,300 | 66.5       | 23,100 |
| 25                     | 43.0       | 14,100 | 53.5       | 15,800 | 61.0       | 17,000 |
| 30                     | 29.5       | 9,800  | 46.0       | 11,500 | 55.0       | 12,700 |
| 35                     |            |        | 36.5       | 8,500  | 48.5       | 9,600  |
| 40                     |            |        | 23.5       | 6,200  | 41.5       | 7,400  |
| 45                     |            |        |            |        | 33.0       | 5,700  |
| 50                     |            |        |            |        | 21.5       | 4,300  |
| Min.Bm.<br>Ang./Cap.   | 0.0        | 7,300  | 0.0        | 5,100  | 0.0        | 3,600  |
| Radius (ft)            | 34.0       |        | 43.0       |        | 53.0       |        |

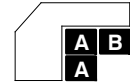
| Load<br>Radius<br>(ft) | 70.0 ft    |        | 80.0 ft    |        | 90.0 ft    |        |
|------------------------|------------|--------|------------|--------|------------|--------|
|                        | $\angle$ ° | Rear   | $\angle$ ° | Rear   | $\angle$ ° | Rear   |
| 15                     | 74.5       | 23,600 |            |        |            |        |
| 20                     | 70.5       | 23,600 | 73.0       | 18,000 |            |        |
| 25                     | 65.5       | 17,800 | 69.0       | 18,000 | 72.0       | 13,900 |
| 30                     | 61.0       | 13,400 | 65.0       | 13,700 | 68.5       | 13,900 |
| 35                     | 56.0       | 10,400 | 61.0       | 10,700 | 65.0       | 10,900 |
| 40                     | 50.5       | 8,200  | 56.5       | 8,400  | 61.0       | 8,600  |
| 45                     | 45.0       | 6,400  | 52.0       | 6,700  | 57.0       | 6,900  |
| 50                     | 38.0       | 5,100  | 47.0       | 5,300  | 53.0       | 5,500  |
| 55                     | 30.5       | 4,000  | 41.5       | 4,200  | 49.0       | 4,400  |
| 60                     | 19.5       | 3,100  | 35.5       | 3,300  | 44.5       | 3,500  |
| 65                     |            |        | 28.5       | 2,600  | 39.5       | 2,800  |
| 70                     |            |        | 18.5       | 1,900  | 33.5       | 2,100  |
| 75                     |            |        |            |        | 26.5       | 1,600  |
| 80                     |            |        |            |        | 17.5       | 1,100  |
| Min.Bm.<br>Ang./Cap.   | 0.0        | 2,600  | 0.0        | 1,600  | 6.0        |        |
| Radius (ft)            | 63.0       |        | 73.0       |        | 82.0       |        |

**SN: P9L4-7599**

**Rated Lifting Capacities In Pounds  
On Tires - Pick & Carry - 1 mph  
Boom Centered Over Rear**



**On Tires**



**10,800 lb**



| Load<br>Radius<br>(ft) | 41.0 ft        |        | 50.0 ft        |        | 60.0 ft        |        |
|------------------------|----------------|--------|----------------|--------|----------------|--------|
|                        | $\angle^\circ$ | Rear   | $\angle^\circ$ | Rear   | $\angle^\circ$ | Rear   |
| 10                     | 69.5           | 23,700 |                |        |                |        |
| 12                     | 66.5           | 21,300 | 71.0           | 22,200 | 74.5           | 22,700 |
| 15                     | 61.5           | 18,100 | 67.5           | 19,100 | 71.5           | 19,800 |
| 20                     | 53.0           | 14,000 | 60.5           | 15,100 | 66.5           | 15,900 |
| 25                     | 43.0           | 10,800 | 53.5           | 12,000 | 61.0           | 12,800 |
| 30                     | 29.5           | 8,300  | 45.5           | 9,600  | 55.0           | 10,500 |
| 35                     |                |        | 36.5           | 7,600  | 48.5           | 8,600  |
| 40                     |                |        | 23.5           | 5,900  | 41.5           | 7,000  |
| 45                     |                |        |                |        | 33.0           | 5,600  |
| 50                     |                |        |                |        | 21.5           | 4,300  |
| Min.Bm.<br>Ang./Cap.   | 0.0            | 6,500  | 0.0            | 5,100  | 0.0            | 3,600  |
| Radius (ft)            | 34.0           |        | 43.0           |        | 53.0           |        |

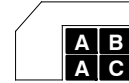
| Load<br>Radius<br>(ft) | 70.0 ft        |        | 80.0 ft        |        | 90.0 ft        |        |
|------------------------|----------------|--------|----------------|--------|----------------|--------|
|                        | $\angle^\circ$ | Rear   | $\angle^\circ$ | Rear   | $\angle^\circ$ | Rear   |
| 15                     | 74.5           | 20,200 |                |        |                |        |
| 20                     | 70.0           | 16,400 | 73.0           | 16,500 |                |        |
| 25                     | 65.5           | 13,400 | 69.0           | 13,600 | 71.5           | 13,700 |
| 30                     | 61.0           | 11,100 | 65.0           | 11,300 | 68.5           | 11,500 |
| 35                     | 56.0           | 9,200  | 61.0           | 9,400  | 64.5           | 9,600  |
| 40                     | 50.5           | 7,600  | 56.5           | 7,900  | 61.0           | 8,100  |
| 45                     | 45.0           | 6,300  | 52.0           | 6,600  | 57.0           | 6,800  |
| 50                     | 38.0           | 5,100  | 47.0           | 5,300  | 53.0           | 5,500  |
| 55                     | 30.5           | 4,000  | 41.5           | 4,200  | 49.0           | 4,400  |
| 60                     | 19.5           | 3,100  | 35.5           | 3,300  | 44.5           | 3,500  |
| 65                     |                |        | 28.5           | 2,600  | 39.5           | 2,800  |
| 70                     |                |        | 18.5           | 1,900  | 33.5           | 2,100  |
| 75                     |                |        |                |        | 26.5           | 1,600  |
| 80                     |                |        |                |        | 17.5           | 1,100  |
| Min.Bm.<br>Ang./Cap.   | 0.0            | 2,600  | 0.0            | 1,600  | 6.0            |        |
| Radius (ft)            | 63.0           |        | 73.0           |        | 82.0           |        |

**SN: P9L4-7599**

**Rated Lifting Capacities In Pounds  
On Tires - Stationary  
Boom Centered Over Rear**



**On Tires**



**13,000 lb**



| Load<br>Radius<br>(ft) | 41.0 ft        |        | 50.0 ft        |        | 60.0 ft        |        |
|------------------------|----------------|--------|----------------|--------|----------------|--------|
|                        | $\angle^\circ$ | Rear   | $\angle^\circ$ | Rear   | $\angle^\circ$ | Rear   |
| 10                     | 69.5           | 33,700 |                |        |                |        |
| 12                     | 66.5           | 30,500 | 71.0           | 31,400 | 74.5           | 31,900 |
| 15                     | 61.5           | 26,500 | 67.5           | 27,400 | 71.5           | 28,100 |
| 20                     | 53.0           | 21,200 | 61.0           | 22,300 | 66.5           | 23,100 |
| 25                     | 43.0           | 15,100 | 53.5           | 16,800 | 61.0           | 18,000 |
| 30                     | 29.5           | 10,700 | 46.0           | 12,300 | 55.0           | 13,400 |
| 35                     |                |        | 36.5           | 9,200  | 48.5           | 10,300 |
| 40                     |                |        | 23.5           | 6,800  | 41.5           | 8,000  |
| 45                     |                |        |                |        | 33.0           | 6,200  |
| 50                     |                |        |                |        | 21.5           | 4,800  |
| Min.Bm.<br>Ang./Cap.   | 0.0            | 8,000  | 0.0            | 5,700  | 0.0            | 4,100  |
| Radius (ft)            | 34.0           |        | 43.0           |        | 53.0           |        |

| Load<br>Radius<br>(ft) | 70.0 ft        |        | 80.0 ft        |        | 90.0 ft        |        |
|------------------------|----------------|--------|----------------|--------|----------------|--------|
|                        | $\angle^\circ$ | Rear   | $\angle^\circ$ | Rear   | $\angle^\circ$ | Rear   |
| 15                     | 74.5           | 23,600 |                |        |                |        |
| 20                     | 70.5           | 23,600 | 73.0           | 19,000 |                |        |
| 25                     | 65.5           | 18,800 | 69.0           | 19,000 | 72.0           | 14,700 |
| 30                     | 61.0           | 14,200 | 65.0           | 14,500 | 68.5           | 14,700 |
| 35                     | 56.0           | 11,100 | 61.0           | 11,400 | 65.0           | 11,600 |
| 40                     | 50.5           | 8,800  | 56.5           | 9,000  | 61.0           | 9,200  |
| 45                     | 45.0           | 7,000  | 52.0           | 7,200  | 57.0           | 7,400  |
| 50                     | 38.0           | 5,600  | 47.0           | 5,800  | 53.0           | 6,000  |
| 55                     | 30.5           | 4,400  | 41.5           | 4,700  | 49.0           | 4,900  |
| 60                     | 19.5           | 3,500  | 35.5           | 3,700  | 44.5           | 3,900  |
| 65                     |                |        | 28.5           | 2,900  | 39.0           | 3,100  |
| 70                     |                |        | 18.5           | 2,300  | 33.5           | 2,500  |
| 75                     |                |        |                |        | 26.5           | 1,900  |
| 80                     |                |        |                |        | 17.0           | 1,400  |
| Min.Bm.<br>Ang./Cap.   | 0.0            | 3,000  | 0.0            | 1,900  | 0.0            | 1,100  |
| Radius (ft)            | 63.0           |        | 73.0           |        | 83.0           |        |

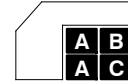
**SN: P9L4-7599**



**Rated Lifting Capacities In Pounds**  
**On Tires - Pick & Carry - 1 mph**  
**Boom Centered Over Rear**



**On Tires**



**13,000 lb**



| Load Radius (ft)  | 41.0 ft        |        | 50.0 ft        |        | 60.0 ft        |        |
|-------------------|----------------|--------|----------------|--------|----------------|--------|
|                   | $\angle^\circ$ | Rear   | $\angle^\circ$ | Rear   | $\angle^\circ$ | Rear   |
| 10                | 69.5           | 23,600 |                |        |                |        |
| 12                | 66.5           | 21,200 | 71.0           | 22,100 | 74.5           | 22,600 |
| 15                | 61.5           | 18,100 | 67.5           | 19,100 | 71.5           | 19,700 |
| 20                | 53.0           | 13,900 | 60.5           | 15,000 | 66.0           | 15,800 |
| 25                | 43.0           | 10,800 | 53.5           | 12,000 | 60.5           | 12,800 |
| 30                | 29.5           | 8,200  | 45.5           | 9,500  | 55.0           | 10,500 |
| 35                |                |        | 36.5           | 7,600  | 48.5           | 8,500  |
| 40                |                |        | 23.5           | 5,900  | 41.5           | 7,000  |
| 45                |                |        |                |        | 33.0           | 5,600  |
| 50                |                |        |                |        | 21.5           | 4,500  |
| Min.Bm. Ang./Cap. | 0.0            | 6,500  | 0.0            | 5,000  | 0.0            | 3,900  |
| Radius (ft)       | 34.0           |        | 43.0           |        | 53.0           |        |

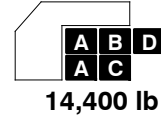
| Load Radius (ft)  | 70.0 ft        |        | 80.0 ft        |        | 90.0 ft        |        |
|-------------------|----------------|--------|----------------|--------|----------------|--------|
|                   | $\angle^\circ$ | Rear   | $\angle^\circ$ | Rear   | $\angle^\circ$ | Rear   |
| 15                | 74.5           | 20,100 |                |        |                |        |
| 20                | 70.0           | 16,300 | 73.0           | 16,500 |                |        |
| 25                | 65.5           | 13,400 | 69.0           | 13,500 | 71.5           | 13,700 |
| 30                | 61.0           | 11,100 | 65.0           | 11,300 | 68.0           | 11,500 |
| 35                | 56.0           | 9,200  | 61.0           | 9,400  | 64.5           | 9,600  |
| 40                | 50.5           | 7,600  | 56.5           | 7,900  | 61.0           | 8,000  |
| 45                | 44.5           | 6,300  | 52.0           | 6,500  | 57.0           | 6,700  |
| 50                | 38.0           | 5,200  | 47.0           | 5,400  | 53.0           | 5,600  |
| 55                | 30.5           | 4,200  | 41.5           | 4,500  | 49.0           | 4,700  |
| 60                | 19.5           | 3,400  | 35.5           | 3,600  | 44.5           | 3,800  |
| 65                |                |        | 28.5           | 2,900  | 39.0           | 3,100  |
| 70                |                |        | 18.5           | 2,300  | 33.5           | 2,500  |
| 75                |                |        |                |        | 26.5           | 1,900  |
| 80                |                |        |                |        | 17.0           | 1,400  |
| Min.Bm. Ang./Cap. | 0.0            | 2,900  | 0.0            | 1,900  | 0.0            | 1,100  |
| Radius (ft)       | 63.0           |        | 73.0           |        | 83.0           |        |

**SN: P9L4-7599**

**Rated Lifting Capacities In Pounds  
On Tires - Stationary  
Boom Centered Over Rear**



**On Tires**



| Load<br>Radius<br>(ft) | 41.0 ft        |        | 50.0 ft        |        | 60.0 ft        |        |
|------------------------|----------------|--------|----------------|--------|----------------|--------|
|                        | $\angle^\circ$ | Rear   | $\angle^\circ$ | Rear   | $\angle^\circ$ | Rear   |
| 10                     | 69.5           | 33,700 |                |        |                |        |
| 12                     | 66.5           | 30,500 | 71.0           | 31,400 | 74.5           | 31,900 |
| 15                     | 61.5           | 26,500 | 67.5           | 27,400 | 71.5           | 28,100 |
| 20                     | 53.0           | 21,200 | 61.0           | 22,300 | 66.5           | 23,100 |
| 25                     | 43.0           | 15,900 | 53.5           | 17,500 | 61.0           | 18,800 |
| 30                     | 29.5           | 11,300 | 46.0           | 12,900 | 55.0           | 14,100 |
| 35                     |                |        | 36.5           | 9,700  | 48.5           | 10,900 |
| 40                     |                |        | 23.5           | 7,300  | 41.5           | 8,500  |
| 45                     |                |        |                |        | 33.0           | 6,600  |
| 50                     |                |        |                |        | 21.5           | 5,200  |
| Min.Bm.<br>Ang./Cap.   | 0.0            | 8,500  | 0.0            | 6,100  | 0.0            | 4,400  |
| Radius (ft)            | 34.0           |        | 43.0           |        | 53.0           |        |

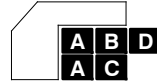
| Load<br>Radius<br>(ft) | 70.0 ft        |        | 80.0 ft        |        | 90.0 ft        |        |
|------------------------|----------------|--------|----------------|--------|----------------|--------|
|                        | $\angle^\circ$ | Rear   | $\angle^\circ$ | Rear   | $\angle^\circ$ | Rear   |
| 15                     | 74.5           | 23,600 |                |        |                |        |
| 20                     | 70.5           | 23,600 | 73.0           | 19,800 |                |        |
| 25                     | 66.0           | 19,600 | 69.5           | 19,800 | 72.0           | 15,300 |
| 30                     | 61.0           | 14,800 | 65.0           | 15,100 | 68.5           | 15,300 |
| 35                     | 56.0           | 11,600 | 61.0           | 11,900 | 65.0           | 12,100 |
| 40                     | 50.5           | 9,200  | 56.5           | 9,500  | 61.0           | 9,700  |
| 45                     | 45.0           | 7,400  | 52.0           | 7,600  | 57.5           | 7,800  |
| 50                     | 38.5           | 5,900  | 47.0           | 6,200  | 53.5           | 6,400  |
| 55                     | 30.5           | 4,700  | 42.0           | 5,000  | 49.0           | 5,200  |
| 60                     | 19.5           | 3,800  | 35.5           | 4,000  | 44.5           | 4,200  |
| 65                     |                |        | 28.5           | 3,200  | 39.5           | 3,400  |
| 70                     |                |        | 18.5           | 2,500  | 33.5           | 2,700  |
| 75                     |                |        |                |        | 27.0           | 2,100  |
| 80                     |                |        |                |        | 17.5           | 1,600  |
| Min.Bm.<br>Ang./Cap.   | 0.0            | 3,300  | 0.0            | 2,100  | 0.0            | 1,300  |
| Radius (ft)            | 63.0           |        | 73.0           |        | 83.0           |        |

**SN: P9L4-7599**

**Rated Lifting Capacities In Pounds**  
**On Tires - Pick & Carry - 1 mph**  
**Boom Centered Over Rear**



**On Tires**



**14,400 lb**



| Load Radius (ft)  | 41.0 ft        |        | 50.0 ft        |        | 60.0 ft        |        |
|-------------------|----------------|--------|----------------|--------|----------------|--------|
|                   | $\angle^\circ$ | Rear   | $\angle^\circ$ | Rear   | $\angle^\circ$ | Rear   |
| 10                | 69.5           | 23,500 |                |        |                |        |
| 12                | 66.5           | 21,200 | 71.0           | 22,000 | 74.5           | 22,400 |
| 15                | 61.5           | 18,100 | 67.5           | 19,100 | 71.5           | 19,700 |
| 20                | 53.0           | 14,000 | 60.5           | 15,100 | 66.5           | 15,900 |
| 25                | 43.0           | 10,800 | 53.5           | 12,000 | 61.0           | 12,800 |
| 30                | 29.5           | 8,300  | 45.5           | 9,600  | 55.0           | 10,500 |
| 35                |                |        | 36.5           | 7,600  | 48.5           | 8,600  |
| 40                |                |        | 23.5           | 5,900  | 41.5           | 7,000  |
| 45                |                |        |                |        | 33.0           | 5,600  |
| 50                |                |        |                |        | 21.5           | 4,500  |
| Min.Bm. Ang./Cap. | 0.0            | 6,500  | 0.0            | 5,100  | 0.0            | 3,900  |
| Radius (ft)       | 34.0           |        | 43.0           |        | 53.0           |        |

| Load Radius (ft)  | 70.0 ft        |        | 80.0 ft        |        | 90.0 ft        |        |
|-------------------|----------------|--------|----------------|--------|----------------|--------|
|                   | $\angle^\circ$ | Rear   | $\angle^\circ$ | Rear   | $\angle^\circ$ | Rear   |
| 15                | 74.5           | 20,100 |                |        |                |        |
| 20                | 70.0           | 16,400 | 73.0           | 16,500 |                |        |
| 25                | 65.5           | 13,400 | 69.0           | 13,600 | 71.5           | 13,700 |
| 30                | 61.0           | 11,100 | 65.0           | 11,300 | 68.5           | 11,500 |
| 35                | 56.0           | 9,200  | 61.0           | 9,400  | 64.5           | 9,600  |
| 40                | 50.5           | 7,600  | 56.5           | 7,900  | 61.0           | 8,100  |
| 45                | 45.0           | 6,300  | 52.0           | 6,600  | 57.0           | 6,800  |
| 50                | 38.0           | 5,200  | 47.0           | 5,500  | 53.0           | 5,600  |
| 55                | 30.5           | 4,200  | 41.5           | 4,500  | 49.0           | 4,700  |
| 60                | 19.5           | 3,400  | 35.5           | 3,700  | 44.5           | 3,900  |
| 65                |                |        | 28.5           | 2,900  | 39.5           | 3,100  |
| 70                |                |        | 18.5           | 2,300  | 33.5           | 2,500  |
| 75                |                |        |                |        | 26.5           | 1,900  |
| 80                |                |        |                |        | 17.5           | 1,400  |
| Min.Bm. Ang./Cap. | 0.0            | 2,900  | 0.0            | 1,900  | 0.0            | 1,100  |
| Radius (ft)       | 63.0           |        | 73.0           |        | 83.0           |        |

**SN: P9L4-7599**

**Rated Lifting Capacities In Pounds  
On Tires - Stationary  
Boom Centered Over Rear**



| Load<br>Radius<br>(ft) | 41.0 ft        |        | 50.0 ft        |        | 60.0 ft        |        |
|------------------------|----------------|--------|----------------|--------|----------------|--------|
|                        | $\angle^\circ$ | Rear   | $\angle^\circ$ | Rear   | $\angle^\circ$ | Rear   |
| 10                     | 69.5           | 32,800 |                |        |                |        |
| 12                     | 66.5           | 29,800 | 71.0           | 30,600 | 74.5           | 31,100 |
| 15                     | 61.5           | 25,900 | 67.5           | 26,800 | 71.5           | 27,500 |
| 20                     | 53.0           | 20,700 | 61.0           | 21,800 | 66.5           | 22,600 |
| 25                     | 43.0           | 16,700 | 53.5           | 17,900 | 61.0           | 18,800 |
| 30                     | 29.5           | 12,800 | 46.0           | 14,400 | 55.0           | 15,600 |
| 35                     |                |        | 36.5           | 11,000 | 48.5           | 12,200 |
| 40                     |                |        | 23.5           | 8,400  | 41.5           | 9,600  |
| 45                     |                |        |                |        | 33.0           | 7,600  |
| 50                     |                |        |                |        | 21.5           | 6,100  |
| Min.Bm.<br>Ang./Cap.   | 0.0            | 9,900  | 0.0            | 7,200  | 0.0            | 5,300  |
| Radius (ft)            | 34.0           |        | 43.0           |        | 53.0           |        |

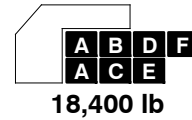
| Load<br>Radius<br>(ft) | 70.0 ft        |        | 80.0 ft        |        | 90.0 ft        |        |
|------------------------|----------------|--------|----------------|--------|----------------|--------|
|                        | $\angle^\circ$ | Rear   | $\angle^\circ$ | Rear   | $\angle^\circ$ | Rear   |
| 15                     | 74.5           | 27,900 |                |        |                |        |
| 20                     | 70.5           | 23,100 | 73.0           | 18,900 |                |        |
| 25                     | 66.0           | 19,300 | 69.5           | 18,900 | 72.0           | 16,000 |
| 30                     | 61.0           | 16,300 | 65.5           | 16,500 | 68.5           | 16,000 |
| 35                     | 56.0           | 12,900 | 61.0           | 13,100 | 65.0           | 13,300 |
| 40                     | 50.5           | 10,400 | 57.0           | 10,600 | 61.5           | 10,800 |
| 45                     | 45.0           | 8,400  | 52.0           | 8,700  | 57.5           | 8,900  |
| 50                     | 38.5           | 6,800  | 47.0           | 7,100  | 53.5           | 7,300  |
| 55                     | 30.5           | 5,600  | 42.0           | 5,800  | 49.0           | 6,000  |
| 60                     | 19.5           | 4,500  | 35.5           | 4,800  | 44.5           | 5,000  |
| 65                     |                |        | 28.5           | 3,900  | 39.5           | 4,100  |
| 70                     |                |        | 18.5           | 3,100  | 33.5           | 3,300  |
| 75                     |                |        |                |        | 27.0           | 2,700  |
| 80                     |                |        |                |        | 17.5           | 2,100  |
| Min.Bm.<br>Ang./Cap.   | 0.0            | 4,000  | 0.0            | 2,800  | 0.0            | 1,900  |
| Radius (ft)            | 63.0           |        | 73.0           |        | 83.0           |        |

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**Rated Lifting Capacities In Pounds  
On Tires - Pick & Carry - 1 mph  
Boom Centered Over Rear**



**On Tires**



**18,400 lb**



| Load<br>Radius<br>(ft) | 41.0 ft        |        | 50.0 ft        |        | 60.0 ft        |        |
|------------------------|----------------|--------|----------------|--------|----------------|--------|
|                        | $\angle^\circ$ | Rear   | $\angle^\circ$ | Rear   | $\angle^\circ$ | Rear   |
| 10                     | 69.5           | 23,700 |                |        |                |        |
| 12                     | 66.5           | 20,200 | 71.0           | 21,800 | 74.5           | 22,600 |
| 15                     | 61.5           | 17,500 | 67.5           | 18,400 | 71.5           | 18,900 |
| 20                     | 53.0           | 13,500 | 60.5           | 14,500 | 66.5           | 15,300 |
| 25                     | 43.0           | 10,400 | 53.5           | 11,600 | 61.0           | 12,400 |
| 30                     | 29.5           | 7,900  | 45.5           | 9,200  | 55.0           | 10,100 |
| 35                     |                |        | 36.5           | 7,200  | 48.5           | 8,200  |
| 40                     |                |        | 23.5           | 5,600  | 41.5           | 6,700  |
| 45                     |                |        |                |        | 33.0           | 5,300  |
| 50                     |                |        |                |        | 21.5           | 4,200  |
| Min.Bm.<br>Ang./Cap.   | 0.0            | 6,200  | 0.0            | 4,700  | 0.0            | 3,600  |
| Radius (ft)            | 34.0           |        | 43.0           |        | 53.0           |        |

| Load<br>Radius<br>(ft) | 70.0 ft        |        | 80.0 ft        |        | 90.0 ft        |        |
|------------------------|----------------|--------|----------------|--------|----------------|--------|
|                        | $\angle^\circ$ | Rear   | $\angle^\circ$ | Rear   | $\angle^\circ$ | Rear   |
| 15                     | 74.5           | 19,100 |                |        |                |        |
| 20                     | 70.0           | 15,800 | 73.0           | 15,900 |                |        |
| 25                     | 65.5           | 12,900 | 69.0           | 13,100 | 71.5           | 13,200 |
| 30                     | 61.0           | 10,700 | 65.0           | 10,900 | 68.5           | 11,100 |
| 35                     | 56.0           | 8,900  | 61.0           | 9,100  | 64.5           | 9,200  |
| 40                     | 50.5           | 7,300  | 56.5           | 7,600  | 61.0           | 7,700  |
| 45                     | 45.0           | 6,000  | 52.0           | 6,300  | 57.0           | 6,500  |
| 50                     | 38.0           | 4,900  | 47.0           | 5,200  | 53.0           | 5,400  |
| 55                     | 30.5           | 4,000  | 41.5           | 4,200  | 49.0           | 4,400  |
| 60                     | 19.5           | 3,200  | 35.5           | 3,400  | 44.5           | 3,600  |
| 65                     |                |        | 28.5           | 2,700  | 39.5           | 2,900  |
| 70                     |                |        | 18.5           | 2,100  | 33.5           | 2,300  |
| 75                     |                |        |                |        | 26.5           | 1,700  |
| 80                     |                |        |                |        | 17.5           | 1,200  |
| Min.Bm.<br>Ang./Cap.   | 0.0            | 2,700  | 0.0            | 1,700  | 0.0            | 1,000  |
| Radius (ft)            | 63.0           |        | 73.0           |        | 83.0           |        |

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