XCA٥٠٠L٨__١ All Terrain Crane

TECHNICAL SPECIFICATIONS

٥٠٠t

٩٣.١m

١٣١m

First edition, April 2024

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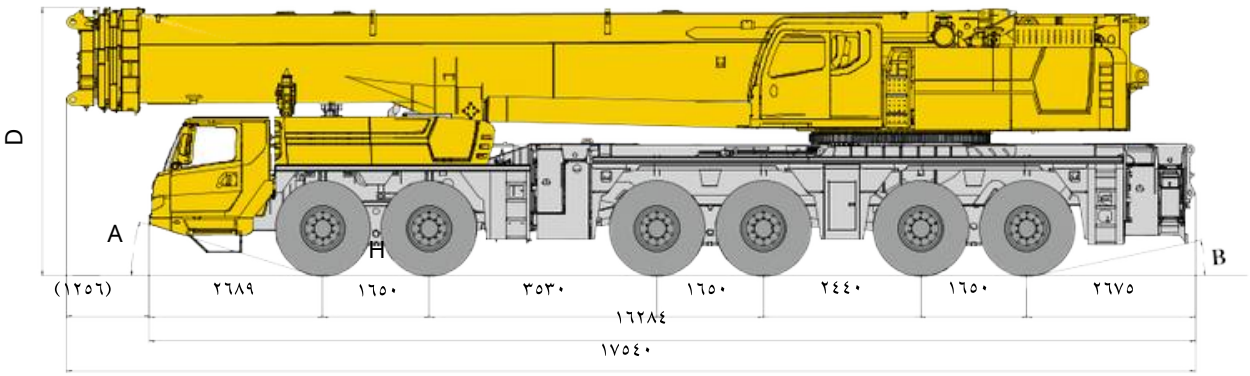
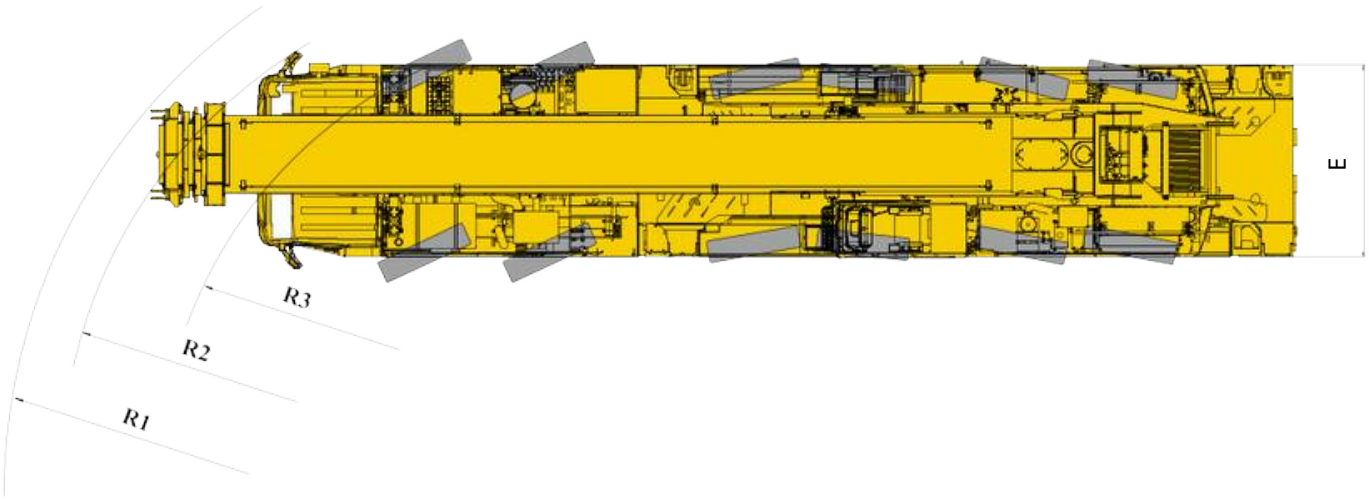
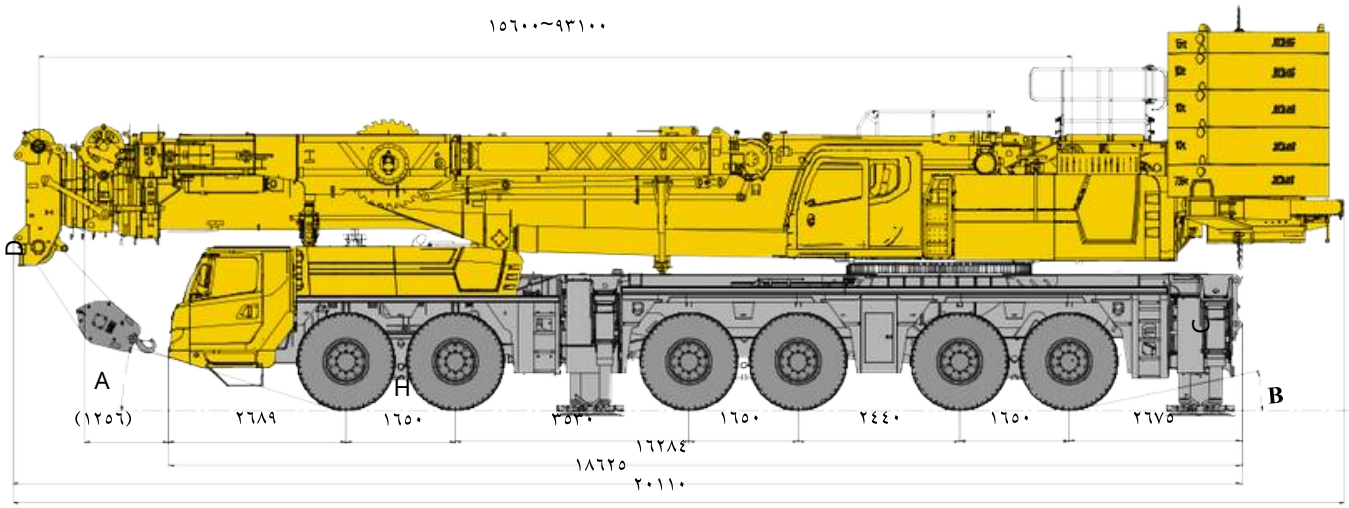
Dimensions

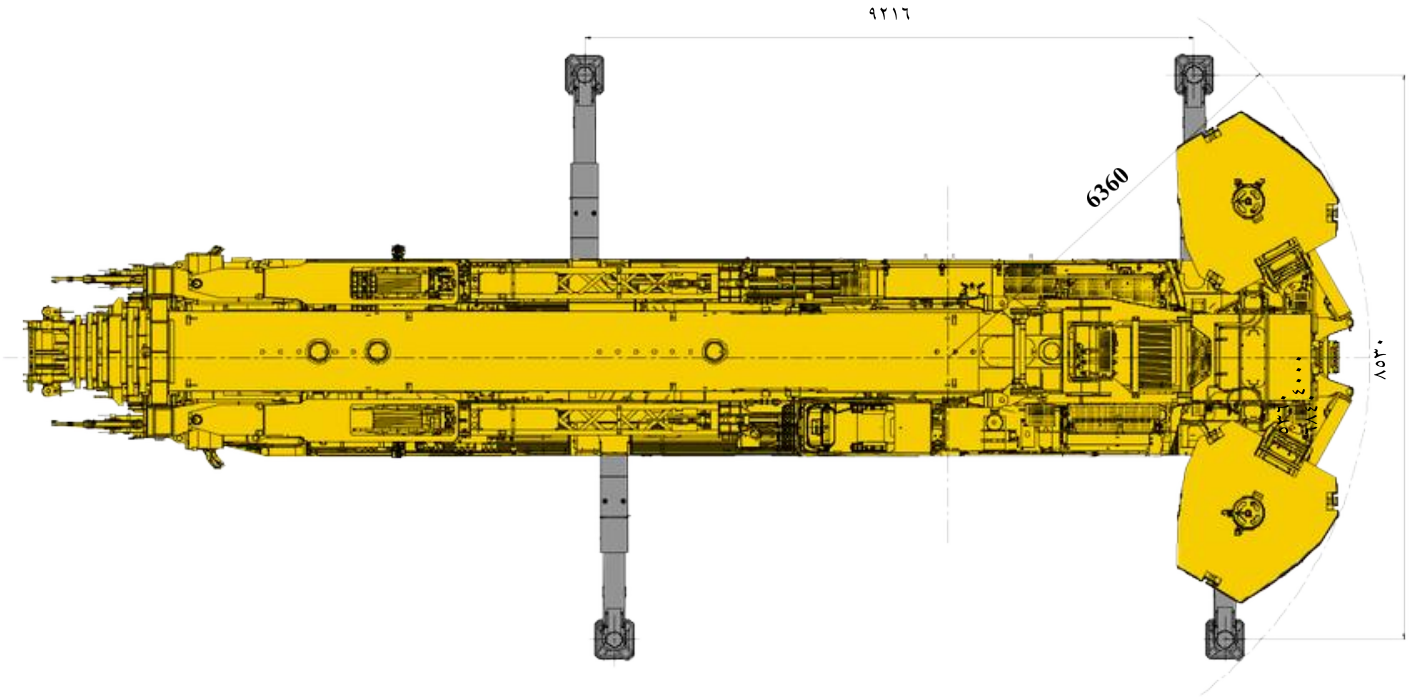




	A (°)	B (°)	D(mm)	E(mm)	H (mm)	R١ (mm)	R٢ (mm)	R٣ (mm)
445/95R25	18	12	4000	3000	370	14200	13200	11650

Dimensions





	A（°）	B（°）	H（mm）
445/95R25	18	12	370

	Chassis
Frame	Designed and manufactured by XCMG, the high load-bearing frame is made of high strength steel in an anti-torsion box structure.
Outriggers	Four outriggers arranged in H-shape are hydraulically controlled. There is a check valve fitted in each outrigger cylinder, and a double-way hydraulic valve fitted in each jack cylinder. Controlled by the wireless remote console, remote control is available. Max. outrigger reaction force: front outriggers of 133 t, rear outriggers of 154 t. Outrigger float: 600×622mm
Engine	WP13.550E62, in-line, 6-cylinder, water cooled, electric control diesel engine, made by Weichai, with rated power of 405 kW/1900 rpm and max. torque of 2500 Nm/950-1400 rpm. Max. reference torque: 2632 Nm; Compliant with China VI emission standard. Fuel tank capacity: 600 L. AdBlue tank capacity: 34.3 L.
Hydraulic system	The variable displacement pump is connected to the engine through PTO for controlling the movements of outriggers, steering, suspension and heat dissipation.
Transmission	FAST electrical-control automatic transmission with retarder; 12 forward gears and 2 reverse gears available. ALLISON electrical-control automatic transmission with torque converter and retarder, 6 forward gears and 1 reverse gears.
Transfer case	Mechanical transfer gear made by Zhuzhou Gear is equipped with emergency steering pump.
Axle	High strength axles, equipped with pneumatic disc brake. Four axles for driving: 12×8×12
Suspension system	Hydro-pneumatic suspension system has good shock-absorbing effect. Various functions such as automatic leveling, moving up and down of suspension, and switching over of elastic and rigid suspension are available. The stroke of suspension cylinder is -100mm～+140mm.
Tires	12 tires, each axle is equipped with single tire, with large bearing capacity. Tire specifications: 445/95R25.
Brake	Service brake: double-circuit air pressure brake acting on all wheels. All wheels are lifted Parking brake: spring-loaded brake, acting on wheels of axles 2~6; Auxiliary brake: engine brake and transmission retarder brake.
Steering system	All axles steering, 1～2 axles: the mechanical and hydraulic power steering; 3～6 axles: the electro-hydraulic control steering. It is suitable for various demands of working conditions and various steering modes can be realized.
Driver's cab	New full dimension steel structure cab is equipped with safety glass for electric lifters, electric-adjustable rear-view mirrors, multi-function steering wheel, large screen liquid crystal display, airbag for the driver's seat, coupled sleeper available for the co-driver's seat and new combined central control panel reasonably arranged with arc shape adopted, etc.
Electrical system	DC 24 V, with 2 sets of 12 V batteries in series.

Superstructure	
Structure	Designed and manufactured by XCMG, made of high strength steel.
Hydraulic system	Electric proportional variable closed pump is used for slewing operations; the open pump is used for luffing, telescoping and winch operations. Electric proportional change valve, matching perfectly and stably with plunger variable pump. Large power air-cooled hydraulic oil cooler, which may effectively reduce the oil temperature in the system. Effective volume of hydraulic oil tank: 1600L
Operating method	The pilot electric proportional control system is equipped with two levers on left and right sides controlling the main movements of the crane, and stepless slewing speed regulation is available.
Winch system	Equipped with Lebus grooved drum, driven by a hydraulic motor, with build-in planetary gear reducer, constant closed brake and balance valve. Wire rope has a rope head, which is directly installed in pouch socket.
Slewing system	Three-point roller slewing ring with a dual slewing mechanism is driven by hydraulic motor, with built-in planetary gear reducer and constant-closed brake equipped, and may continuously slew 360°. Power control and free slewing function as well as stepless speed regulation are available.

Operator's cab	Large safety glass, sliding door, adjustable seat with 20 °tilting are adopted; safety glass and top protective rails are installed; instrument panel (double screen), main / super lift winch monitoring system, rear monitor display system of variable-position counterweight, operating lever, multi-function control panel, radio, electric windshield wipers, engine accelerator pedal, engine start switch and windshield sun screen, etc. are also available. Heater and air conditioner are standard.
Safety device	Hydraulic counterbalance valve, hydraulic relief valve, LMI, joystick spring return system are available. Lowering limiter is equipped in winch to prevent rope over-releasing. Anti-two block is fitted on the boom head to prevent rope over-winding. Anemometer is equipped to check whether aerial wind velocity is in safe working range. Winch monitoring device for monitoring winch condition.
Load moment indicator (LMI)	When the actual load moment is approaching the overloading value, audible and visual warning will be sent out, and the dangerous operation will be automatically cut off before overloading occurs. Overload memory function (black box) and fault diagnosis function are available.

Technical specifications

Superstructure	
Combined counterweight	100tintotal,variable position of 1.8m Counterweightbase15t + 7.5t×2，10t×6，5t×2 counterweightslabsMovement with a load is available.
Electrical system	24 V DC, two batteries in series.
Hook block	90 t Hook block
Wireless remote control Device	Wireless remote control device can be used to carry out the remote control of main operations (telescoping, luffing, winch, slewing), super lift, auxiliary operations (operator' cab, counterweight cylinder, turntable locking pin) and chassis outrigger operations, also for engine operations and lights control, improving the convenience and security of crane operations.
Boom	8-section boom with U cross-section, welding structure. Single-cylinder pinning telescoping system is adopted. One double-acting cylinder with safety valve is used for controlling the telescoping movements of all boom sections with various telescoping pattern available. Boom length: 15.6m～93.1m

Fixed jib	Lattice structure with 0°, 20°and 40°jib offset angles available. Jib fixed sections length in boom operation modes: 10/14/18 m Jib fixed sections length in boom + super lift operation modes: 16/20/24 m Luffing length of 10.5/18.5/26.5 m
Super lifting device	Y-shaped super lifting device, installed at top of base boom, wire rope with double parts of line contributes to twofold pulling force. With the boom extended out, the deflection could decrease by 20%～30%, multiplying the lifting performance.
Engine	WP7G300E473, in line six-cylinder, water cooled, high pressure common rail, diesel engine, manufactured by Weichai, with rated power of 221 kW/2200 rpm, max. torque of 1200 Nm/1400-1600 rpm, compliant with off-road China Stage IV emission standard. Fuel tank capacity: 330 L.

Configuration	Function
Standard	Boom,eight-section boom of 93.1 m
Full configuration	Boom+super lift+fixed jib, eight-section boom of 93.1m, fixed jib of 50.5 m

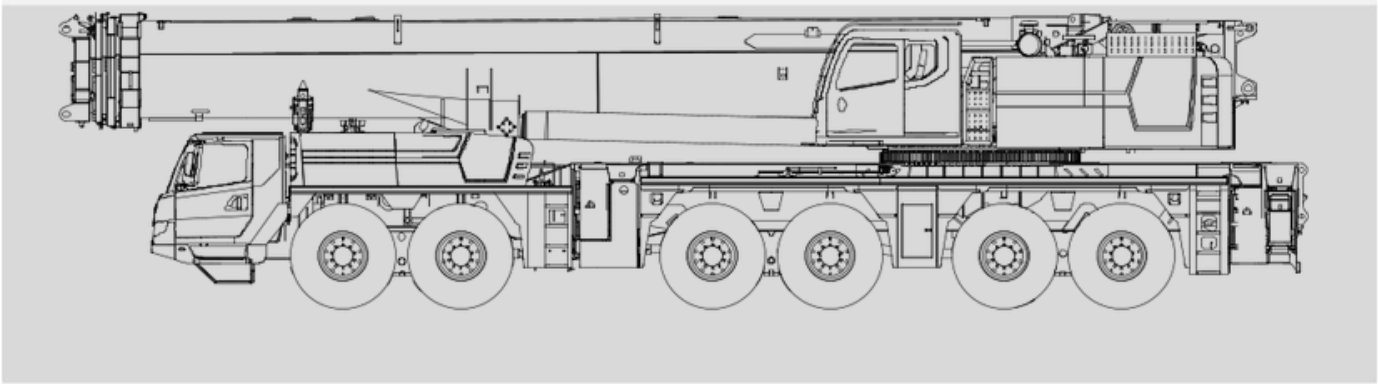
Optional	
Hook block	170 t hook block
	135 t hook block
	40 t hook block
	13.5 t hook
Engine preheating device	block
OBU device	
Independent jib head	

Note：The optional equipment is universal and can be selected for both versions.

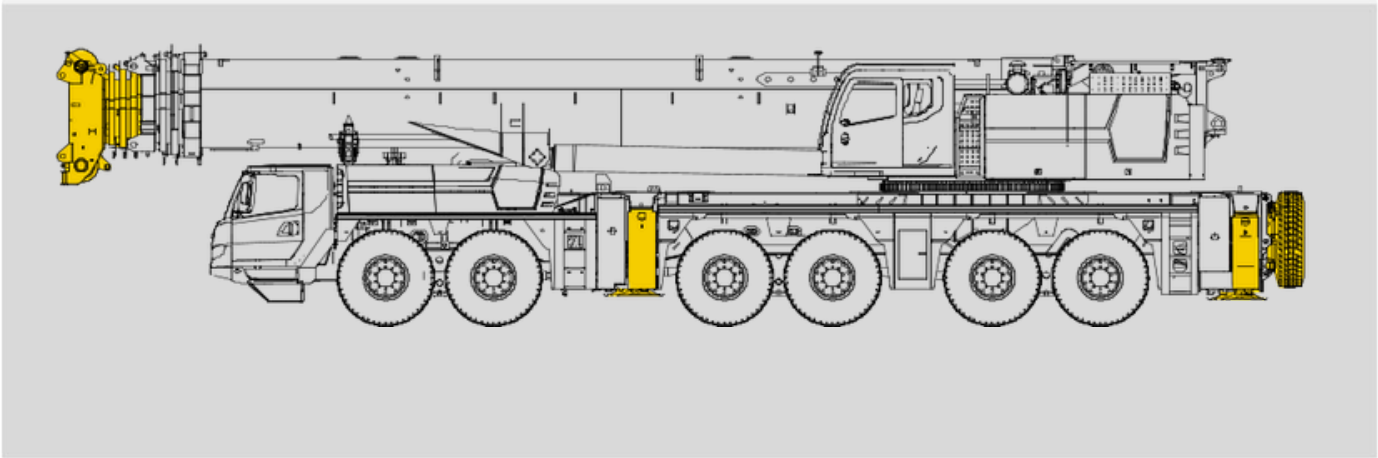
Weight

Axle	١	٢	٣	٤	٥	6	Total weight
t	12	12	12	12	12	12	72
t t t	14.7 18.86 17.75	14.7 18.86 17.75	14.7 18.86 17.75	15.85 19.6 22.5	15.85 19.6 22.5	15.85 19.6 22.5	91.7 115.4 120.8

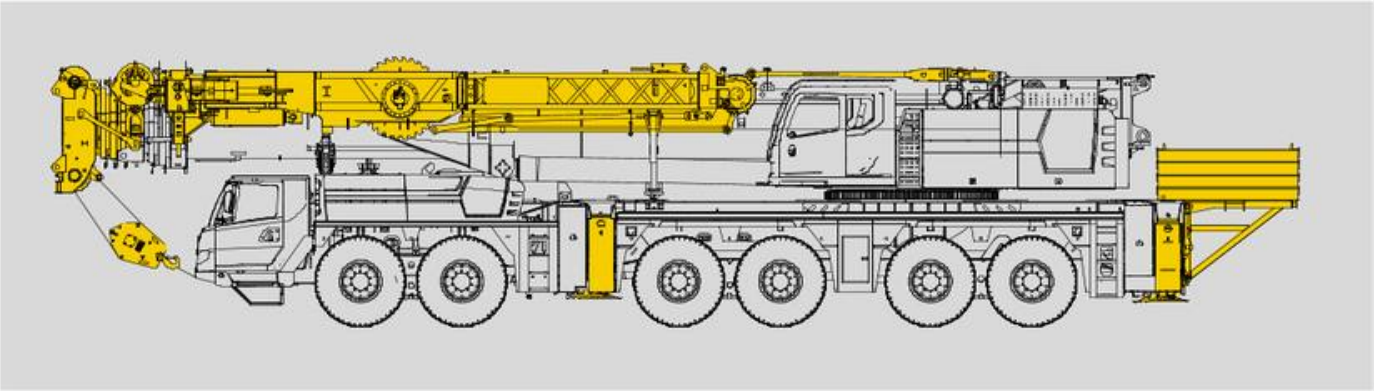
(1) 72t: Superstructure: 5th-8th boom sections, lifting wire rope, counterweight, fixed jib, super lift hook blocks, platform and guardrail are excluded. Chassis: front outriggers, rear outriggers, spare tire, spare tire bracket, and outriggers float are excluded. Driving mode: 12×8×12; tire specification: 445/95R25



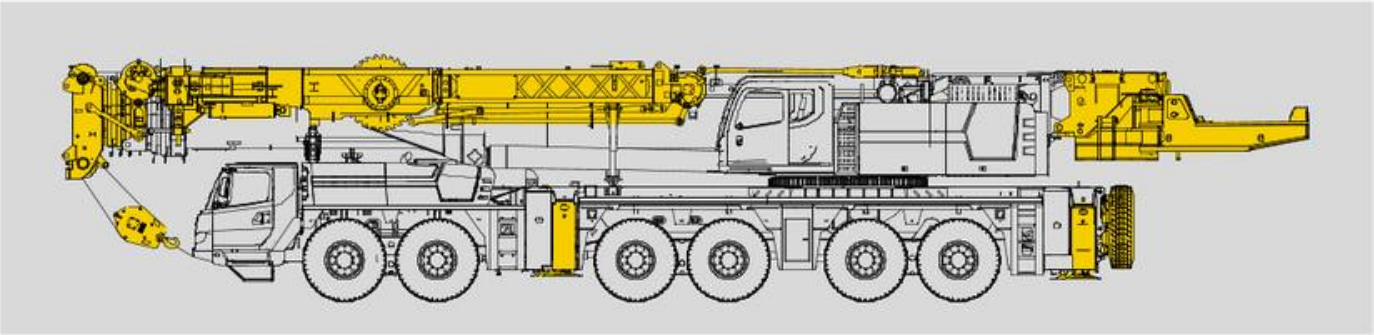
(2) 91.7 t: boom sections, outriggers, outrigger floats, spare tire and spare tire bracket are included.



(3) 115.4 t: boom sections, 90 t hook block, super lift, outriggers, outrigger floats, 10 t outrigger pads and their bracketsa included.



(4) 120.8 t: boom sections, 90 t hook block, super lift, 15 t counterweight base, outriggers, outrigger floats, spare tire an spare tire bracket are included.

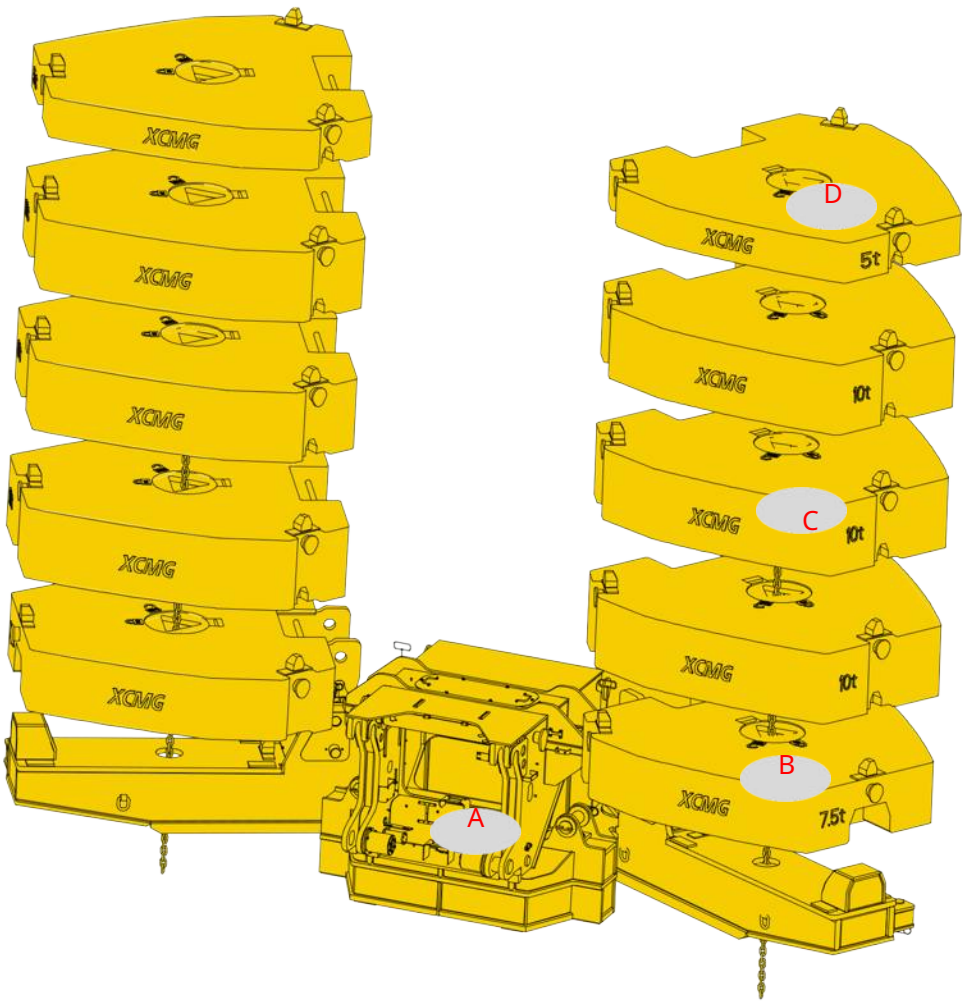


Working speed

Hook block	Parts of line	Weight of hook block	Hook dimension	Remark
170 t	14	1900	750×850×2150	Dual hook (optional)
135t	11	1600	2150×750×850	Dual hook (optional)
90 t	7	1400	700×600×1800	Dual hook
40 t	3	1100	700×450×1600	Single hook (optional)
13.5 t	1	470	500×500×900	Single hook (optional)

445/95R25	2～80	50%

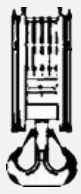
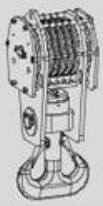
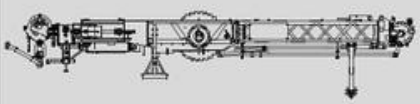
Operation mechanisms	Working speed	Max. single line pull	Wire rope diameter / length
	0-125 m/min, single line, 5th layer, no load	13.5t	24 mm/410 m
	0-1.3 r/min		
	Approx. 100 s for boom luffing from 0°to 83°		
	Approx. 1340 s for boom extending from 15.6m to 93.1m		



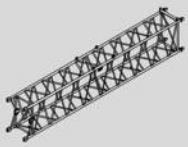
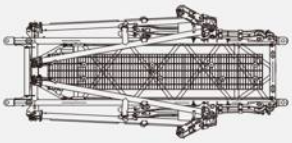
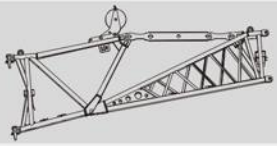
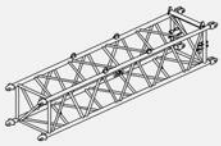
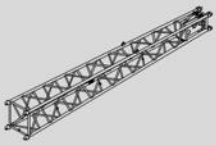
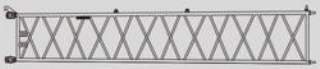
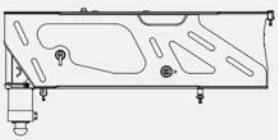
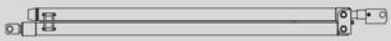
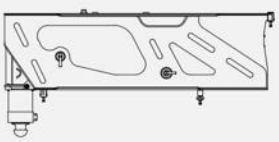
Counterweight	A	B	C	D
Dimensions (L×W×H) (mm)	2500×7200×1600	2600×2400×650	2350×2400×700	2350×2400×440
Weight (t)	15	7.5	10	5

Operation modes	١٠٠t	٩٠t	٧٠t	٥٠t	٣٠t	١٥t	٠t
Combinations	A+B×2 +C×6+D×2	A+B×2 +C×6	A+B×2 +C×4	A+B×2 +C×2	A+B× 2	A	——

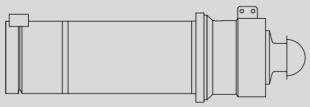
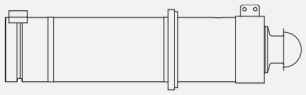
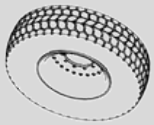
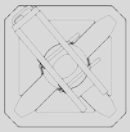
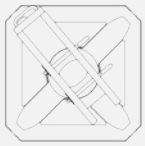
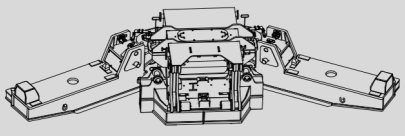
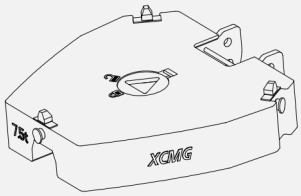
Parts transported

Name	Illustration	Single weight (kg)	Qty	Dimension (mm)
5-8 boom sections		14000	1	15000×2200×2100
13.5 t hook block (optional)		470	1	500×500× 900
40t hook block (optional)		1100	1	700×450× 1600
90 t hook block		1400	1	700×600× 1800
135 t hook block (optional)		1600	1	2150×750× 850
170 t hook block (optional)		1900	1	750×850× 2150
Main winch rope		1250	1	410×24
Super lifting device		13000	1	10600×2150×1850

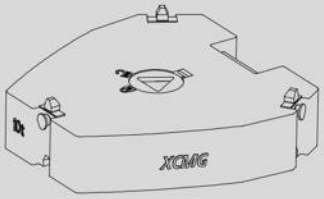
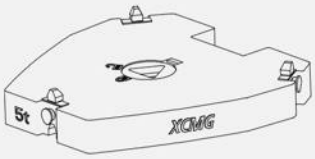
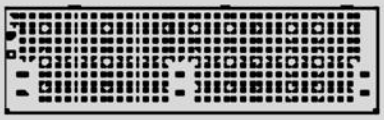
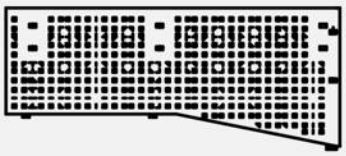
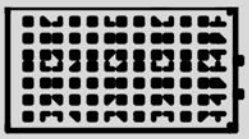
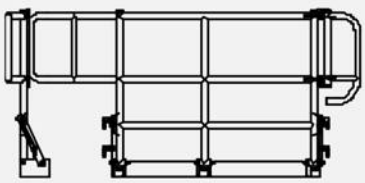
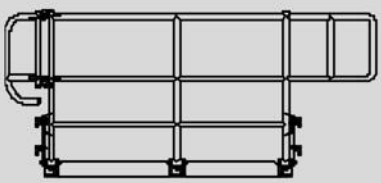
Parts transported

Name	Illustration	Single weight (kg)	Qty	Dimension (mm)
Boom extension		500	2	4200×1200×1700
Wing-type connecting bracket assembly		1400	1	6200×2100×2100
Folding bracket assembly (optional)		1100	1	5300×1000×1800
Extension I		550	1	8100×900× 1200
1st jib section assembly		650	1	7700×900× 1100
2nd jib section assembly		450	1	8100×600× 800
Connecting bracket assembly		950	1	8700×1000×1700
Rear outrigger beams assembly		1850	2	2650×450× 1200
Extension cylinder		73	4	2077×220× 154
Front outriggers assembly		1550	2	2650×450× 1250

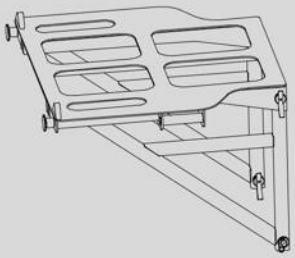
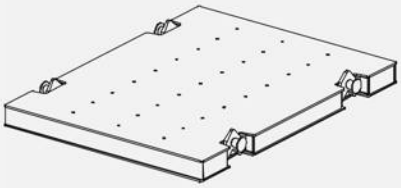
Parts transported

Name	Illustration	Single weight (kg)	Qty	Dimension (mm)
Rear jack cylinder		275	2	1063×318× 341
Front jack cylinder		250	2	1095×314× 296
Spare tire		315	1	1486×1486×445
Spare tire bracket		65	1	2710×350× 310
Front outrigger floats		60	2	622×600× 171
Rear outrigger floats		60	2	622×600× 171
Counterweight slab A		15000	1	2500×7200×1600
Counterweight slab B		7500	2	2600×2400×650

Parts transported

Name	Illustration	Single weight (kg)	Qty	Dimension (mm)
Counterweight slab C		10000	6	2350×2400×700
Counterweight slab D		5000	2	2350×2400×440
Platform and guardrail		25	1	1690×500× 160
		20	1	1470×650× 160
		15	1	570×330× 160
		27	1	2190×1140×300
		29	1	2460×1140×370

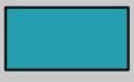
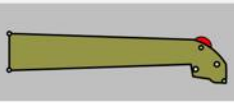
Parts transported

Name	Illustration	Single weight (kg)	Qty	Dimension (mm)
Pad bracket		470	1	2000×1840×1415
Outrigger pad		2550	4	3000×2300×300

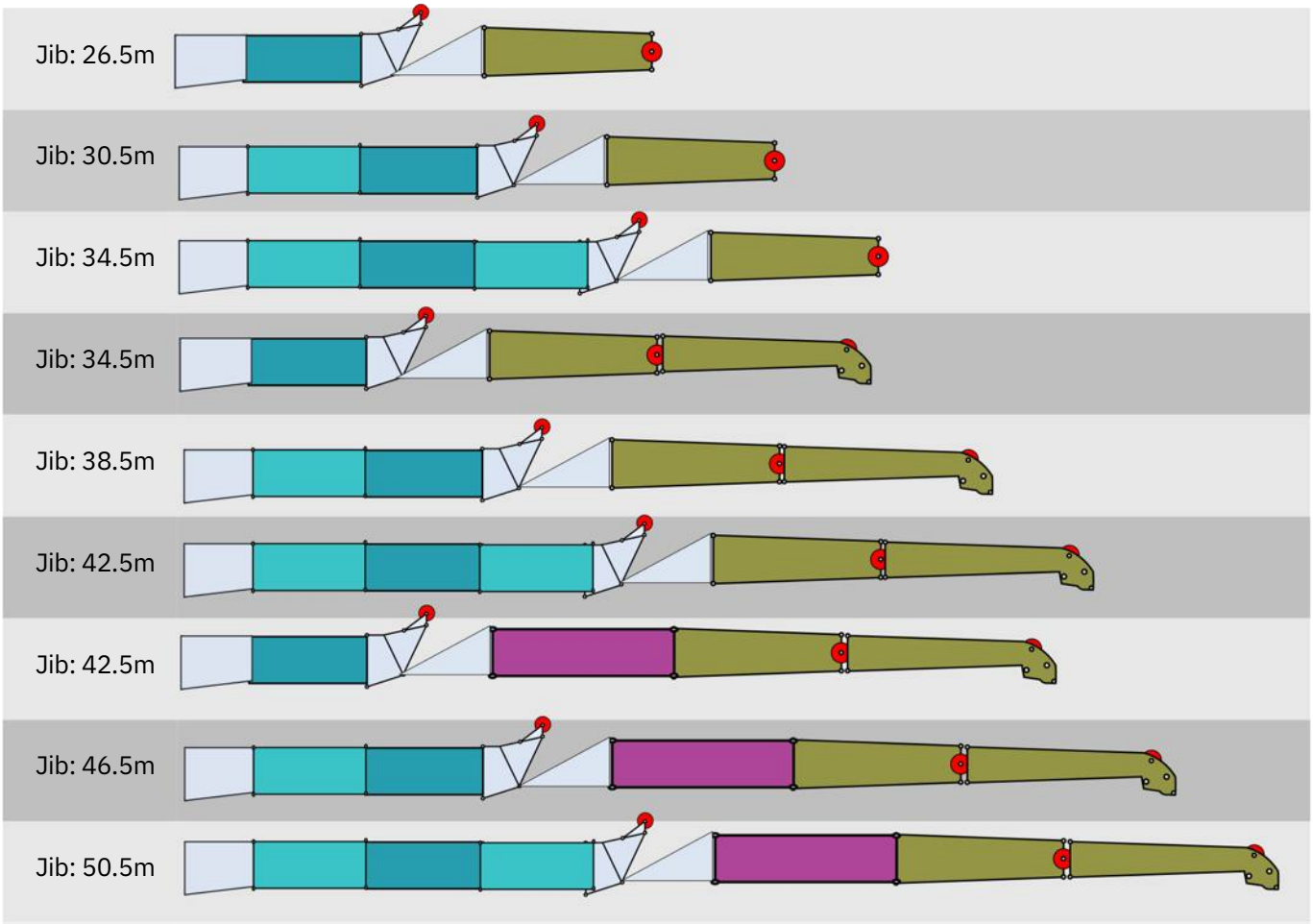
Four-section boom	Boom	Boom + super lift
T:١٥.٢-٤٨.٤ m	T:١٥.٦-٩٣.١ m	T:٣٠.٩-٩٣.١ m

Boom+fixed jib	Boom+super lift+fixed jib
T：٤٦.٢–٨١.٨m V：١٠m، ١٤m، ١٨m F：١٠.٥m، ١٨.٥m، ٢٦.٥m ***A***：٠°، ٢٠°، ٤٠°	T：٤٦.٢–٨١.٨m V：١٦m، ٢٠m، ٢٤m F：١٠.٥m، ١٨.٥m، ٢٦.٥m ***A***：٠°، ٢٠°، ٤٠°

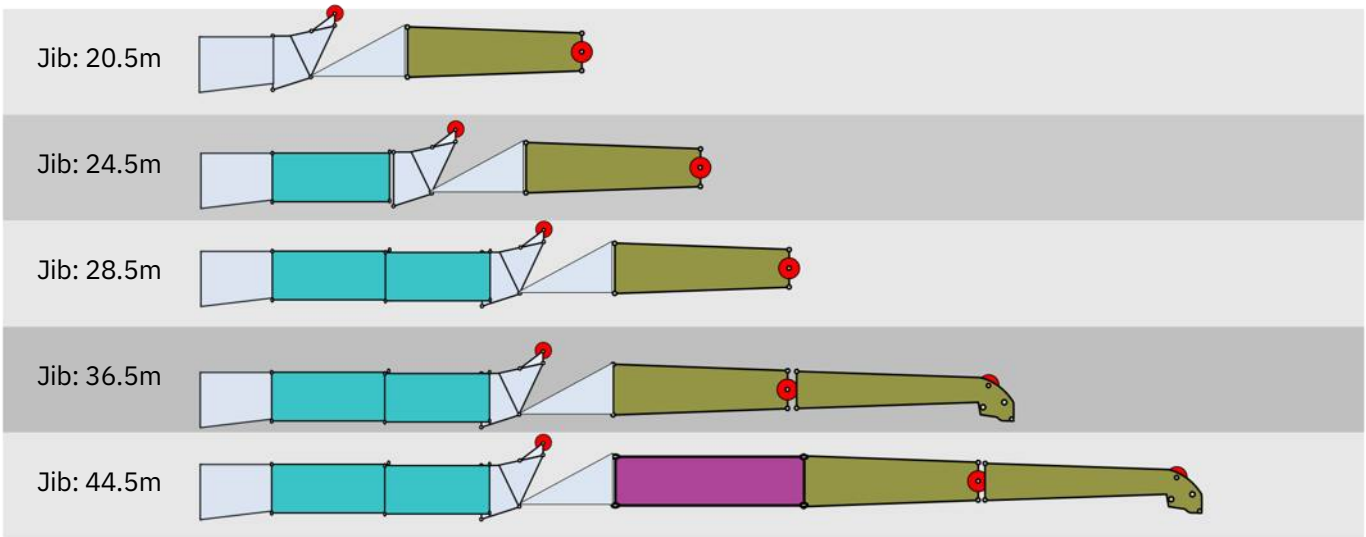
Boom /jib combinations

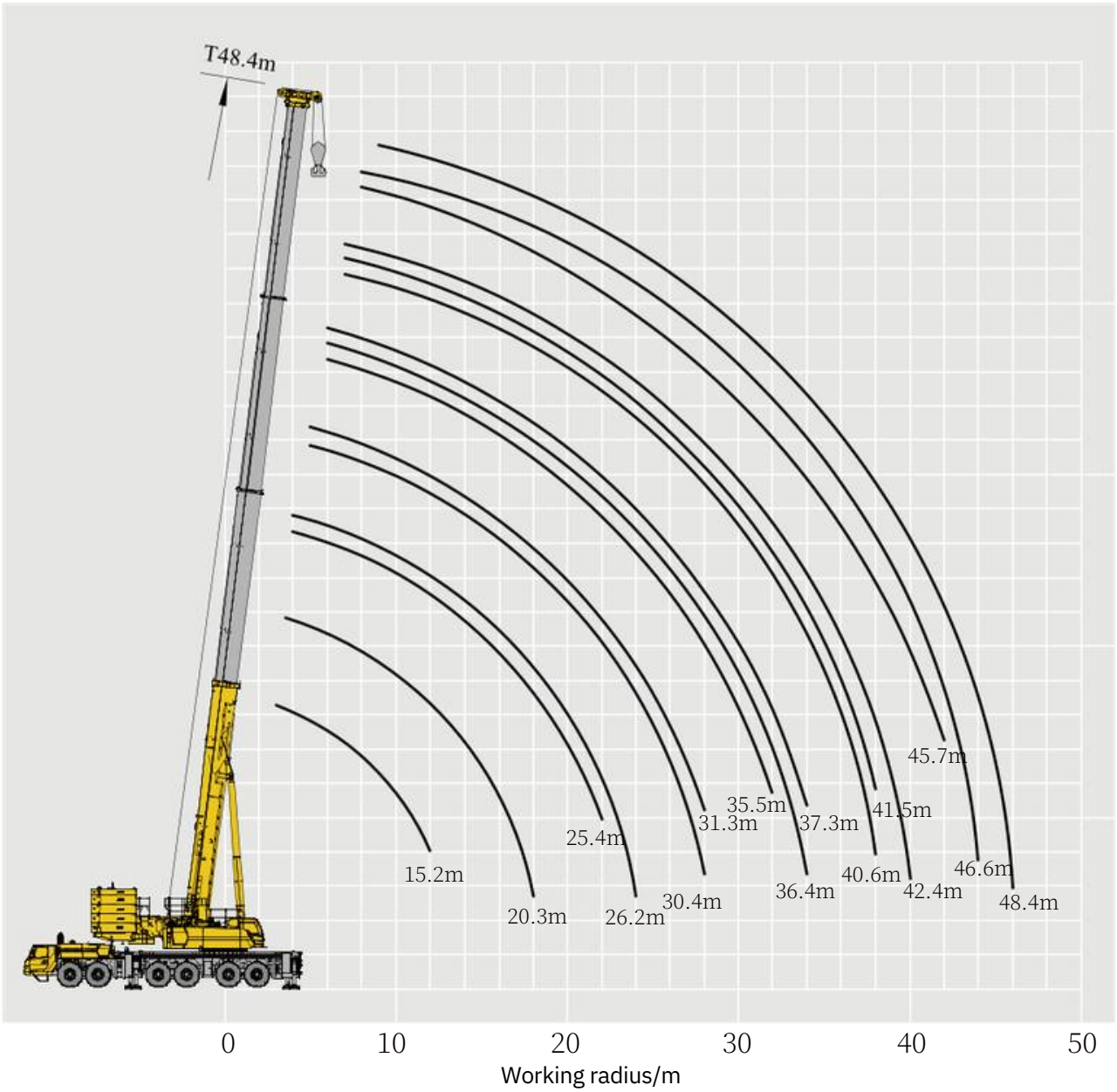
Part name	Structure	Dimensions (L×W×H) (mm)	Weight (kg)
Connecting bracket assembly		8700× 1000× 1700	950
Boom extension		4200× 1200× 1700	500
Wing-type connecting bracket assembly		6200× 2100× 2100	1400
Folding bracket assembly (optional)		5300× 1000× 1800	1100
Extension I		8100×900× 1200	550
1st jib section assembly		7700×900× 1100	650
2nd jib section assembly		8100×600× 800	450

1. Super lift + fixed jib:



2. Fixed Jib:

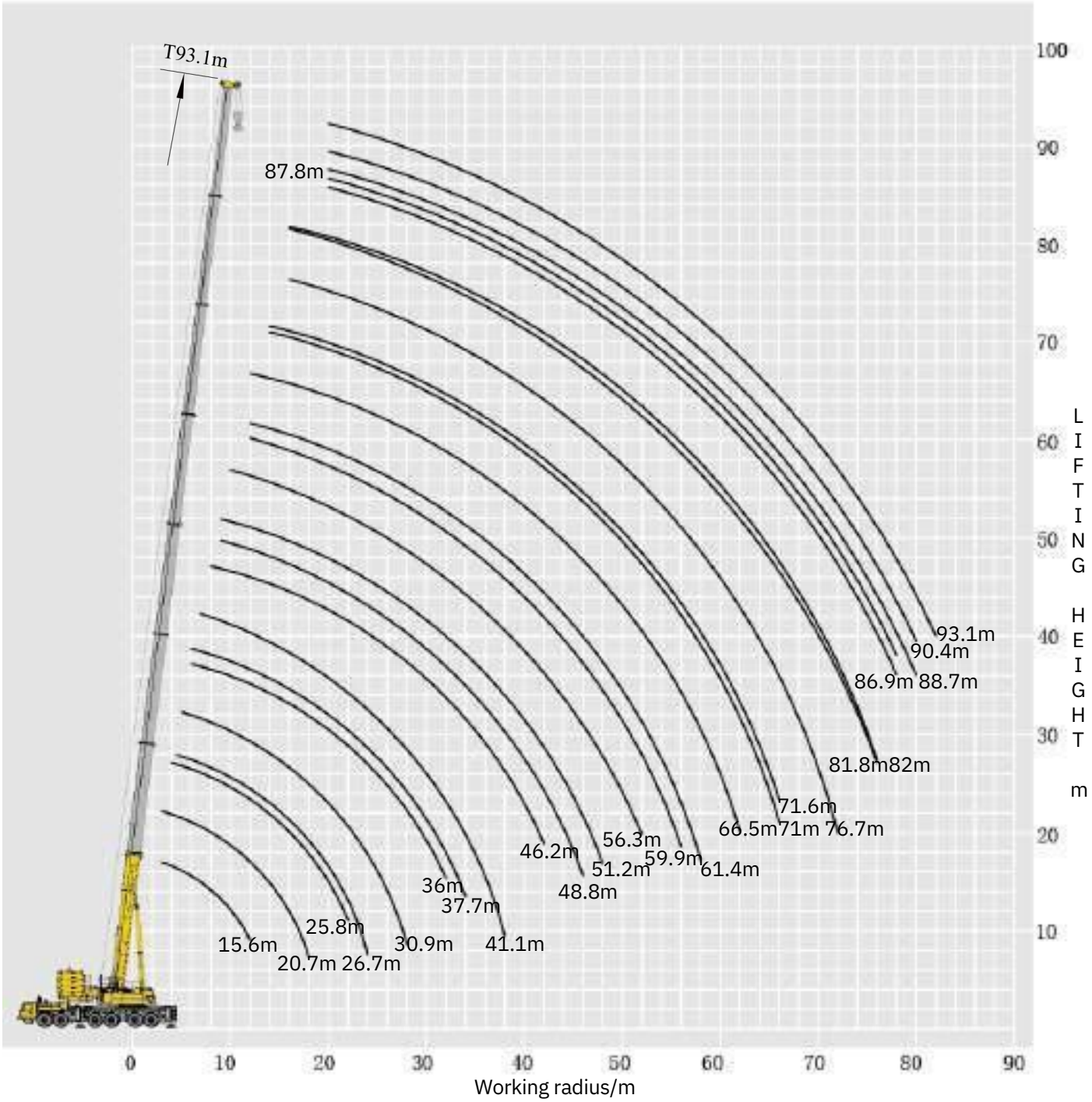



T48.4m
50
40
30
20
10
LIFTING HEIGHT m
45.7m
35.5m
31.3m
37.3m
41.5m
25.4m
15.2m
40.6m
46.6m
36.4m
42.4m
30.4m
20.3m
26.2m
48.4m
0
10
20
30
40
50
Working radius/m

m	15.2-26.2m T	9.216m×8.53m	360°	100t							m
	١٥.٢	٢٠.٣	٢٠.٣	٢٠.٣	٢٥.٤	٢٥.٤	٢٥.٤	٢٥.٤	٢٥.٤	٢٦.٢	
3	165.0										3
3.5	165.0	165.0	165.0	165.0							3.5
4	165.0	165.0	165.0	165.0	147.4	165.0	165.0	165.0	165.0	165.0	4
4.5	165.0	165.0	165.0	165.0	143.7	165.0	165.0	165.0	165.0	165.0	4.5
5	165.0	165.0	165.0	165.0	140.0	165.0	165.0	165.0	165.0	165.0	5
6	160.0	160.0	160.0	160.0	125.8	160.0	159.0	159.0	158.0	157.0	6
7	152.0	148.0	148.0	147.0	114.8	144.0	143.0	142.0	142.0	141.0	7
8	138.0	134.0	134.0	133.0	105.2	130.0	130.0	129.0	109.7	105.0	8
9	126.0	123.0	122.0	121.0	97.5	119.0	119.0	118.0	99.5	95.9	9
10	116.0	113.0	112.0	111.0	91.2	110.0	109.0	109.0	91.8	87.7	10
12	99.0	97.0	96.0	96.0	80.4	94.0	94.0	93.0	79.1	75.4	12
14		85.0	84.0	83.0	71.2	83.0	82.0	81.0	69.7	66.4	14
16		75.0	74.0	73.0	64.0	73.0	72.0	71.0	61.1	58.1	16
18		49.8	48.7	47.7	58.8	64.0	63.0	63.0	55.8	51.9	18
20					55.3	57.0	56.0	55.0	49.5	48.6	20
22					48.6	47.8	47.3	46.5	45.6	43.2	22
24										31.3	24
Code	000	001	010	100	002	011	020	110	200	300	Code
Parts of line	14	14	14	14	13	14	14	14	14	14	Parts of line
Hook block	170t	170t	170t	170t	170t	170t	170t	170t	170t	170t	Hook block

m	30.4-35.5m T	9.216m×8.53m	360°	100t							m
	٣٠.٤	٣٠.٤	٣٠.٤	٣٠.٤	٣٠.٤	٣١.٣	٣٥.٥	٣٥.٥	٣٥.٥	٣٥.٥	
5	133.9	135.0	147.0	147.0	133.4	130.0					5
6	120.0	121.4	138.6	138.6	119.1	115.7	106.5	124.5	108.9	106.4	6
7	109.7	110.4	132.1	131.1	107.0	104.2	96.9	114.3	98.1	95.3	7
8	99.3	99.0	126.0	123.5	96.6	94.4	88.4	105.2	88.7	86.3	8
9	91.9	90.9	115.0	112.7	88.5	86.2	81.2	97.4	80.7	80.9	9
10	85.3	84.4	106.0	103.9	81.7	78.8	75.1	91.1	74.4	74.4	10
12	74.2	73.6	91.0	89.2	69.9	68.2	65.4	80.4	63.7	63.5	12
14	65.9	65.4	80.0	78.4	61.0	59.2	57.7	71.3	55.6	55.4	14
16	57.5	57.8	70.0	70.0	54.0	51.6	51.8	63.6	49.0	48.7	16
18	52.2	51.9	62.0	61.0	48.4	45.9	46.7	59.8	43.6	43.8	18
20	48.1	47.6	55.0	54.0	43.4	41.5	42.8	52.9	39.4	39.3	20
22	44.3	43.8	49.0	49.0	38.9	37.6	38.9	48.0	35.9	35.2	22
24	41.4	40.0	44.0	44.0	35.3	34.4	35.4	43.1	32.3	32.0	24
26	39.0	37.3	40.0	39.0	32.8	30.4	32.9	38.2	29.9	29.3	26
28	29.7	29.2	28.3	27.4	27.6	28.4	30.9	35.3	27.7	26.5	28
30							28.9	32.3	25.3	24.7	30
32							26.8	30.4	23.6	22.8	32
Code	012	021	111	120	210	310	022	112	211	220	Code
Parts of line	11	11	12	12	11	11	9	10	9	9	Parts of line
Hook block	135t	135t	170t	170t	135t	135t	135t	135t	135t	135t	Hook block

m	36.4-48.4m T	9.216m×8.53m	360°	100t						m
	٣٦.٤	٣٧.٢	٤٠.٦	٤٠.٦	٤١.٥	٤٢.٤	٤٥.٧	٤٦.٦	٤٨.٤	
6	104.9	100.0								6
7	94.2	91.3	94.6	91.0	87.0	84.2				7
8	85.4	83.1	86.9	83.5	80.5	76.8	75.8	72.1		8
9	77.8	75.0	79.6	76.3	74.0	69.8	68.9	66.5	64.2	9
10	71.7	68.8	73.2	67.3	65.1	64.3	64.1	60.8	59.3	10
12	61.0	59.0	63.2	58.1	56.6	55.6	55.4	53.0	50.7	12
14	53.0	51.0	56.9	51.0	48.6	47.8	47.5	45.3	43.8	14
16	47.1	45.1	51.0	44.8	42.5	41.6	42.3	40.4	39.0	16
18	42.1	40.0	45.5	39.8	38.2	37.2	37.4	36.7	35.1	18
20	37.9	35.8	41.5	36.1	34.5	33.5	33.6	32.8	31.3	20
22	34.1	32.8	37.8	32.4	31.1	30.0	30.8	29.0	28.3	22
24	30.8	30.0	34.8	29.3	28.3	27.5	27.9	26.2	26.0	24
26	28.4	27.3	31.7	27.1	25.8	25.4	25.7	24.4	24.0	26
28	26.2	24.7	28.2	24.7	23.9	23.2	23.8	22.5	22.1	28
30	24.2	22.9	26.2	22.8	21.8	21.9	21.5	20.7	21.1	30
32	22.5	21.0	24.7	21.4	20.4	20.0	20.1	19.3	18.6	32
34	20.7	19.7	23.1	19.9	18.9	18.6	18.8	18.0	17.6	34
36			21.7	18.5	17.6	17.3	17.4	16.9	16.2	36
38			20.6	17.5	16.4	16.1	16.2	15.3	15.2	38
40						15.1	15.2	14.3	14.1	40
42							14.5	13.6	13.3	42
44								12.7	12.5	44
46									11.8	46
Code	311	330	122	221	321	331	222	322	333	Code
Parts of line	9	8	8	8	7	7	6	6	5	Parts of line
Hook block	135t	135t	135t	135t	90t	90t	90t	90t	90t	Hook block


T93.1m
87.8m
93.1m
90.4m
86.9m 88.7m
81.8m82m
71.6m
66.5m71m 76.7m
56.3m
46.2m
59.9m
51.2m
61.4m
48.8m
36m
37.7m
25.8m
15.6m
30.9m
41.1m
20.7m 26.7m
100
90
80
70
60
50
40
30
20
10
LIFTING HEIGHT m
0 10 20 30 40 50 60 70 80 90
Working radius/m

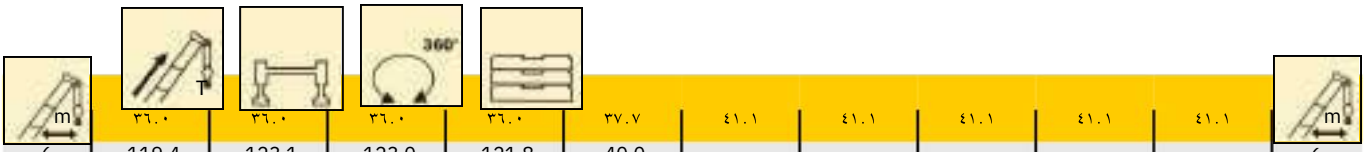
m	15.6-25.8m T	9.216m×8.53m	360°	100t							m
	١٥.٦	٢٠.٧	٢٠.٧	٢٠.٧	٢٠.٧	٢٠.٧	٢٠.٧	٢٠.٧	٢٥.٨	٢٥.٨	
2.4	500*										2.4
3	170.0	114.5	170.0	170.0	170.0	170.0	170.0	170.0			3
3.5	170.0	109.1	170.0	170.0	170.0	170.0	170.0	170.0			3.5
4	170.0	103.7	170.0	170.0	170.0	170.0	170.0	170.0	73.8	107.8	4
4.5	170.0	99.2	170.0	170.0	170.0	170.0	170.0	170.0	70.1	104.3	4.5
5	170.0	96.8	162.5	169.3	168.4	168.4	167.4	166.5	66.5	100.7	5
6	163.4	88.5	142.8	159.7	158.8	158.8	157.8	156.8	61.3	95.3	6
7	146.5	81.8	127.3	143.1	142.1	142.1	141.1	140.1	56.2	88.1	7
8	134.3	76.0	114.0	129.4	128.4	128.4	127.4	126.4	51.9	81.9	8
9	133.4	70.5	104.0	120.0	120.0	119.0	115.6	114.7	48.2	74.7	9
10	106.6	66.3	97.0	110.0	110.0	109.0	105.8	105.8	46.4	68.9	10
12	91.2	59.7	83.3	94.0	94.0	93.0	90.2	89.2	40.7	58.3	12
14		54.0	72.7	80.4	80.4	79.4	78.4	77.4	36.6	51.4	14
16		50.1	64.1	70.1	69.1	68.2	67.2	66.2	31.3	45.7	16
18		46.3	57.2	60.2	59.2	58.3	57.3	56.4	28.2	41.4	18
20									25.6	37.5	20
22									23.7	34.5	22
Code	0000000	0000001	0000010	0000100	0001000	0010000	0100000	1000000	0000002	0000011	Code
Parts of line	14	10	14	14	14	14	14	14	6	9	Parts of line
Hook block	170t	135t	170t	170t	170t	170t	170t	170t	90t	135t	Hook block

m	25.8-30.9m T	9.216m×8.53m	360°	100t							m
	٢٥.٨	٢٥.٨	٢٥.٨	٢٥.٨	٢٥.٨	٢٥.٨	٢٦.٧	٣٠.٩	٣٠.٩	٣٠.٩	
4	135.8	170.0	170.0	170.0	170.0	170.0					4
4.5	127.3	167.5	170.0	170.0	170.0	169.2	68.3				4.5
5	118.8	156.6	168.3	167.3	166.4	158.4	64.7	63.4	63.6	103.1	5
6	105.6	138.6	154.8	153.9	152.9	132.6	57.9	56.9	57.3	94.1	6
7	97.0	120.3	139.2	138.2	137.2	118.2	52.7	51.4	51.9	85.1	7
8	87.8	108.6	126.4	125.4	123.5	107.1	48.5	48.9	48.5	74.4	8
9	79.9	99.3	117.0	116.0	115.0	96.9	44.9	45.1	44.8	69.2	9
10	73.7	91.2	108.0	107.0	105.0	90.3	41.5	41.4	41.1	63.0	10
12	66.1	79.0	90.2	89.2	88.2	76.5	36.7	36.2	36.0	55.0	12
14	57.5	70.4	78.4	77.4	76.4	66.2	28.5	32.0	31.9	48.0	14
16	51.4	62.5	69.6	67.6	66.6	57.6	25.6	28.8	28.7	42.6	16
18	45.9	55.9	59.5	57.6	56.6	49.9	23.4	25.9	25.8	38.3	18
20	42.4	50.4	50.6	48.8	46.9	45.9	21.7	23.7	23.6	35.2	20
22	38.6	45.0	44.1	42.3	40.5	40.5	20.0	21.3	21.2	32.1	22
24							18.7	19.7	19.3	29.4	24
26								18.3	18.1	28.2	26
28								17.2	16.7	26.2	28
Code	0000110	0001100	0011000	0110000	1100000	2000000	0000003	0000012	0000021	0000111	Code
Parts of line	12	14	14	14	14	14	6	5	5	9	Parts of line
Hook block	170t	170t	170t	170t	170t	170t	90t	90t	90t	135t	Hook block

* Capacity class

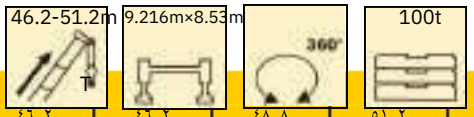
m	٣٠.٩	٣٠.٩	٣٠.٩	٣٠.٩	٣٠.٩	٣٦.٠	٣٦.٠	٣٦.٠	٣٦.٠	٣٦.٠	m
5	134.7	147.0	146.2	145.3	144.5						5
6	118.5	140.4	139.5	137.7	137.7	46.3	59.1	55.5	57.5	90.8	6
7	107.3	134.4	133.4	131.5	131.5	42.8	54.6	51.0	52.1	83.6	7
8	97.2	121.9	121.0	119.0	119.0	39.2	50.5	46.9	47.2	76.3	8
9	89.8	110.2	112.7	110.7	110.7	36.2	46.9	43.3	43.2	71.8	9
10	83.2	100.0	105.0	104.0	103.0	33.4	43.7	39.6	39.5	66.9	10
12	71.5	85.8	90.0	88.0	88.0	29.5	38.5	35.6	35.5	59.2	12
14	62.6	75.4	78.0	77.0	76.0	26.0	34.2	31.2	30.5	54.6	14
16	55.5	65.8	67.6	65.7	65.7	23.3	30.8	27.7	27.2	49.1	16
18	49.4	59.5	58.8	56.8	56.8	21.3	28.0	24.9	24.5	44.6	18
20	44.9	52.8	50.9	49.0	48.0	19.3	25.5	22.4	22.4	39.4	20
22	40.2	47.0	45.1	43.2	42.2	17.9	23.7	20.5	20.5	36.5	22
24	36.4	40.5	38.6	36.8	35.9	16.4	22.0	18.4	18.2	34.1	24
26	34.0	35.1	33.3	32.4	31.5	15.2	20.6	17.0	16.8	30.7	26
28	31.2	32.2	30.4	28.4	27.8	14.3	19.4	15.8	15.6	28.3	28
30						13.3	18.1	14.8	14.5	26.4	30
32						12.3	17.0	13.8	13.5	25.0	32
Code	0001110	0011100	0111000	1110000	1200000	0000022	0000112	0000121	0000211	0001111	Code
Parts of line	11	12	12	12	12	4	5	5	5	8	Parts of line
Hook block	135t	170t	170t	170t	170t	90t	90t	90t	90t	135t	Hook block

36-41.1m 9.216m×8.53m 100t



m	٣٦.٠	٣٦.٠	٣٦.٠	٣٦.٠	٣٧.٧	٤١.١	٤١.١	٤١.١	٤١.١	٤١.١	m
6	119.4	123.1	123.0	121.8	40.0						6
7	107.4	121.9	121.5	113.1	36.6	41.8	44.1	56.2	50.0	55.9	7
8	97.4	119.0	117.1	108.9	33.6	38.1	40.5	52.8	45.7	51.4	8
9	91.5	108.5	107.5	100.1	31.1	34.7	37.0	49.2	42.3	47.0	9
10	84.7	101.9	100.0	92.8	28.5	32.4	34.3	45.5	41.3	43.6	10
12	74.2	87.2	86.2	81.4	26.3	29.7	31.2	42.9	37.3	38.9	12
14	66.2	76.4	74.5	74.5	23.6	26.1	27.4	38.1	33.6	34.3	14
16	59.0	69.0	67.0	63.4	21.1	23.7	24.5	34.3	29.8	30.5	16
18	52.4	60.0	58.0	55.7	19.3	21.4	22.0	31.5	27.0	27.3	18
20	45.6	53.0	51.0	49.0	17.6	19.5	20.1	29.1	25.0	24.6	20
22	41.6	46.1	44.1	43.2	16.2	17.7	17.8	26.6	21.7	22.2	22
24	37.4	41.2	39.2	37.4	14.2	16.3	16.4	24.7	20.2	20.2	24
26	35.1	35.7	33.8	32.9	13.3	15.0	15.1	22.9	18.5	18.5	26
28	32.4	32.0	30.1	30.1	12.4	14.0	14.0	21.8	17.4	17.0	28
30	29.7	29.1	26.6	26.1	11.5	13.2	12.8	19.9	15.8	15.4	30
32	27.1	25.3	23.1	22.6	10.8	12.2	11.9	19.0	14.8	14.5	32
34					10.2	11.4	10.9	18.0	13.8	13.5	34
36						10.8	10.1	17.1	12.8	12.5	36
38						10.2	9.6	16.4	12.1	11.8	38
Code	0011110	0111100	1111000	1120000	0000033	0000122	0000221	0001112	0001211	0002111	Code
Parts of line	10	10	10	10	4	4	4	5	4	5	Parts of line
Hook block	135t	135t	135t	135t	90t	90t	90t	90t	90t	90t	Hook block

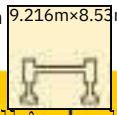
m	٤١.١	٤١.١	٤١.١	٤٦.٢	٤٦.٢	٤٦.٢	٤٦.٢	٤٦.٢	٤٦.٢	٤٦.٢	m
7	86.9	107.9	111.7								7
8	79.8	100.8	108.9	33.6	41.3	44.5	54.0	51.8	60.3	83.6	8
9	73.6	96.9	103.4	30.8	38.7	41.1	50.4	48.3	55.7	77.2	9
10	68.3	89.5	94.9	28.8	35.4	38.1	47.3	45.2	51.6	76.9	10
12	64.8	81.9	85.3	25.2	31.3	32.9	42.4	39.8	44.2	68.0	12
14	58.0	72.2	74.5	22.3	27.9	29.2	38.8	35.0	39.1	60.2	14
16	52.1	64.5	65.7	19.9	25.0	26.0	35.2	31.1	34.4	54.0	16
18	46.3	58.7	56.8	18.0	22.7	23.9	32.9	28.8	31.2	49.0	18
20	42.4	53.0	51.0	16.2	20.8	21.4	30.1	26.0	28.2	45.9	20
22	38.8	48.0	46.0	15.1	19.6	19.4	28.0	23.9	25.4	41.8	22
24	35.1	42.1	39.2	14.1	18.1	17.8	26.1	22.0	23.4	39.7	24
26	32.5	37.2	35.3	13.2	17.0	16.4	25.0	20.1	21.5	36.7	26
28	30.6	33.6	31.7	12.2	15.7	14.9	23.2	18.6	20.0	33.6	28
30	28.6	30.7	28.8	11.3	14.6	13.9	22.1	17.7	18.2	30.7	30
32	27.1	27.3	25.3	10.5	13.4	12.7	20.2	15.9	16.8	28.2	32
34	26.1	24.4	22.2	9.8	12.8	11.7	19.3	14.9	15.8	25.4	34
36	23.5	21.7	19.5	9.4	11.9	10.8	18.4	14.0	14.5	23.5	36
38	21.6	19.7	17.6	8.7	11.4	10.2	17.7	13.1	13.5	20.8	38
40				8.2	10.7	9.4	16.9	12.6	12.7	19.1	40
42				7.7	10.2	8.8	16.2	11.8	11.9	17.5	42
Code	0011111	0111110	1111100	0000222	0001122	0002211	0011112	0012111	0021111	0111111	Code
Parts of line	7	9	9	3	4	4	5	4	5	7	Parts of line
Hook block	90t	135t	135t	40t	90t	90t	90t	90t	90t	90t	Hook block

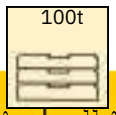


m	٤٦.٢	٤٦.٢	٤٨.٨	٥١.٢	٥١.٢	٥١.٢	٥١.٢	٥١.٢	٥١.٢	٥١.٢	m
8	88.7	86.1									8
9	88.0	76.3	28.3	32.0	28.5	37.5	47.8	51.5	59.5	81.9	9
10	86.6	67.0	26.4	29.7	26.7	35.8	45.1	48.8	56.0	76.7	10
12	81.0	54.9	23.0	25.6	23.3	32.4	38.7	43.5	48.7	67.3	12
14	70.2	48.1	20.2	22.9	21.8	29.1	34.7	40.0	43.1	60.3	14
16	63.1	41.8	17.9	20.4	20.6	26.6	30.6	36.4	38.0	55.3	16
18	55.7	36.7	16.3	18.3	19.8	24.3	27.4	33.1	33.8	50.0	18
20	51.0	32.6	14.9	16.8	18.0	22.7	25.5	31.5	31.3	45.7	20
22	45.1	29.2	13.5	15.7	16.8	21.0	23.5	29.7	28.5	43.2	22
24	39.2	25.9	12.5	14.6	15.4	19.6	21.2	27.8	25.5	39.2	24
26	35.3	23.9	11.6	13.7	14.2	18.2	19.5	26.2	23.3	36.3	26
28	31.7	21.6	10.6	12.7	13.3	17.0	18.1	24.7	21.4	32.3	28
30	28.8	19.9	9.5	11.8	12.3	16.0	16.6	23.3	20.2	30.4	30
32	26.3	17.4	8.9	11.0	11.4	15.0	15.5	22.1	18.4	27.4	32
34	23.5	15.8	8.4	10.4	10.8	13.7	14.2	20.7	17.0	25.5	34
36	20.6	14.4	7.8	9.7	10.1	13.1	13.2	19.8	16.0	23.5	36
38	18.7	13.4	7.3	9.2	9.6	12.5	12.2	18.8	14.6	21.1	38
40	17.0	12.4	6.9	8.5	8.7	11.5	11.2	18.2	13.6	19.3	40
42	15.4	11.1	6.6	8.1	8.2	11.0	10.7	17.3	12.7	17.6	42
44			6.2	7.8	7.7	10.5	9.7	16.8	12.1	15.1	44
46			5.9	7.3	7.2	10.0	9.2	15.7	11.3	13.9	46
48				7.0	6.7	9.6	8.7	14.6	10.7	12.7	48
Code	1111110	2111100	0000333	0001222	0002221	0011122	0022111	0111112	0211111	1111111	Code
Parts of line	7	7	3	3	3	3	4	4	5	7	Parts of line
Hook block	90t	90t	40t	40t	40t	40t	90t	90t	90t	90t	Hook block

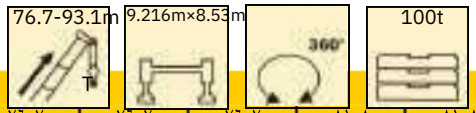
m	٥١.٢	٥١.٢	٥٦.٣	٥٦.٣	٥٦.٣	٥٦.٣	٥٦.٣	٥٦.٣	٥٦.٣	٥٦.٣	m
9	64.6	66.8									9
10	61.2	62.7	28.0	29.8	36.0	36.1	49.0	48.5	56.4	64.0	10
12	54.2	55.0	24.6	27.3	32.6	32.7	43.8	45.0	49.0	56.7	12
14	50.8	45.6	21.9	25.1	28.8	29.8	39.1	40.9	43.6	49.5	14
16	45.4	40.3	19.3	22.5	25.8	27.3	34.0	37.4	38.2	41.2	16
18	40.9	35.7	17.5	20.6	23.1	25.5	30.1	34.8	34.7	37.6	18
20	37.0	32.0	15.7	19.1	20.9	23.2	27.3	32.2	31.0	33.1	20
22	32.1	28.7	14.5	17.7	19.0	21.4	25.6	31.1	28.4	30.4	22
24	29.2	24.8	13.5	16.3	17.4	20.1	23.7	29.2	26.2	26.2	24
26	26.5	22.9	12.4	15.0	16.4	18.8	21.3	27.4	24.4	22.8	26
28	24.7	20.9	11.7	14.4	15.3	18.2	19.4	26.0	22.5	21.2	28
30	22.8	19.0	10.8	13.5	14.0	16.8	18.0	24.6	20.7	19.5	30
32	20.8	16.7	10.2	12.7	13.3	15.9	16.7	23.6	19.0	18.0	32
34	18.9	15.7	9.6	11.8	12.6	15.1	15.5	22.3	18.0	16.2	34
36	18.0	14.3	9.0	11.2	11.6	14.4	14.2	21.3	16.7	14.5	36
38	16.7	13.5	8.5	10.6	10.9	13.6	13.2	20.3	15.8	13.7	38
40	15.7	12.3	8.0	10.1	10.4	13.2	12.0	18.9	14.7	12.7	40
42	14.7	11.5	7.4	9.3	9.5	12.2	11.3	17.4	13.7	11.7	42
44	13.7	10.6	7.1	8.8	9.0	11.3	10.5	16.0	12.8	10.9	44
46	12.4	9.6	6.6	8.3	8.5	10.9	9.9	14.7	12.6	9.9	46
48	11.3	8.7	6.3	8.0	7.9	10.4	9.4	13.6	11.6	9.1	48
50			6.1	7.6	7.4	10.0	8.4	12.6	11.1	8.7	50
52			5.8	7.4	6.9	9.8	7.8	9.7	10.3	7.9	52
Code	1211110	2111110	0002222	0011222	0022211	0111122	0221111	1111112	1211111	2111111	Code
Parts of line	6	6	3	3	3	3	4	4	5	5	Parts of line
Hook block	90t	90t	40t	40t	40t	40t	90t	90t	90t	90t	Hook block

m	56.3-66.5m T	9.216m×8.53m	360°	100t							m
	٥٦.٣	٥٩.٩	٦١.٤	٦١.٤	٦١.٤	٦١.٤	٦١.٤	٦١.٤	٦١.٤	٦٦.٥	
10	58.4										10
12	51.6	21.6	25.3	27.4	27.5	37.2	32.8	39.5	49.6	21.5	12
14	44.5	19.1	23.0	25.2	25.1	33.9	30.3	34.4	45.0	21.5	14
16	40.3	16.9	20.3	22.2	23.1	30.1	28.1	33.0	39.9	20.4	16
18	36.7	16.1	18.4	20.3	21.1	27.4	26.1	29.6	36.3	18.4	18
20	32.9	14.5	17.0	18.5	19.6	24.6	24.2	28.6	32.7	16.8	20
22	28.0	13.1	15.7	16.6	18.3	22.6	22.4	27.5	29.7	15.4	22
24	23.2	12.2	14.3	15.5	17.2	20.8	21.0	25.1	27.6	14.2	24
26	19.4	11.3	13.6	14.5	16.3	19.3	20.0	22.8	23.6	13.2	26
28	18.0	10.3	12.6	13.5	15.2	17.8	18.9	20.6	20.5	12.4	28
30	16.5	9.6	11.7	12.6	14.2	16.8	17.9	19.3	18.0	11.5	30
32	15.3	9.0	10.9	11.6	13.7	15.4	17.0	18.1	16.8	10.6	32
34	13.3	8.5	10.2	10.6	12.8	14.5	16.0	16.6	15.5	10.0	34
36	12.4	8.0	9.7	10.2	11.8	13.5	15.9	15.5	14.7	9.4	36
38	11.5	7.6	9.0	9.7	11.3	12.5	15.1	15.1	13.8	8.8	38
40	10.6	7.1	8.5	9.0	10.8	11.5	14.6	14.1	11.9	8.3	40
42	9.9	6.6	8.0	8.5	10.3	10.5	13.6	13.0	11.0	7.8	42
44	9.2	6.2	7.4	7.8	9.6	9.7	13.1	12.5	10.2	7.3	44
46	8.4	5.9	7.1	7.3	9.1	8.8	12.5	11.5	8.8	6.9	46
48	7.6	5.7	6.7	6.9	8.6	8.3	11.3	10.5	8.3	6.4	48
50	6.9	5.4	6.5	6.7	8.2	7.8	10.9	10.0	7.7	6.2	50
52	6.4	5.2	6.2	6.3	7.9	7.3	10.5	9.2	7.0	5.9	52
54		4.9	5.9	6.1	7.7	6.8	10.2	8.7	6.5	5.7	54
56		4.6	5.7	5.7	7.2	6.2	9.7	8.0	6.1	5.4	56
58			5.4	5.5	7.1	5.8	9.4	7.5	5.6	5.1	58
60										4.9	60
62										4.6	62
Code	2211110	0003333	0012222	0022221	0111222	0222111	1111122	1221111	2211111	0022222	Code
Parts of line	5	2	3	3	3	3	3	4	4	2	Parts of line
Hook block	90t	40t	40t	40t	40t	40t	40t	40t	90t	40t	Hook block

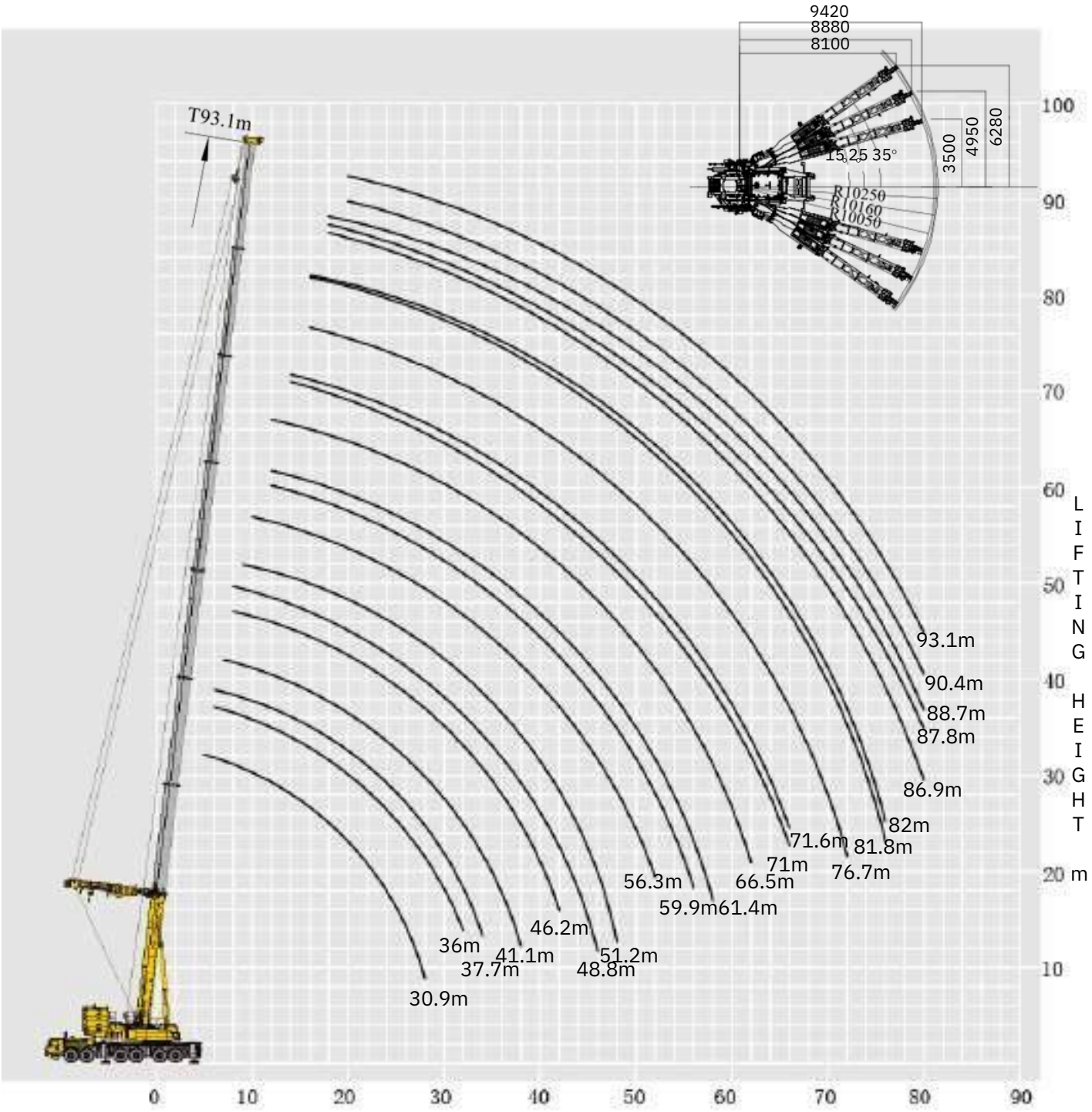


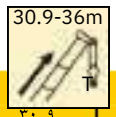
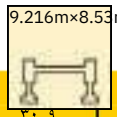
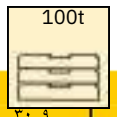


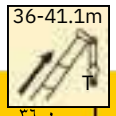
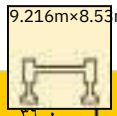
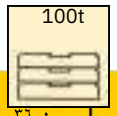
m	٦٦.٥	٦٦.٥	٦٦.٥	٦٦.٥	٦٦.٥	٧١.٠	٧١.٦	٧١.٦	٧١.٦	٧١.٦	٧١.٦	m
12	24.4	28.2	26.8	28.0	40.7							12
14	22.8	28.2	25.2	26.5	37.5	16.9	20.1	22.0	21.9	24.3	26.5	14
16	21.4	26.2	23.4	24.9	32.8	16.9	20.0	21.8	21.2	22.7	26.4	16
18	20.2	23.7	21.5	23.2	29.5	16.3	19.0	20.9	20.1	21.4	24.8	18
20	19.0	21.6	19.1	21.9	26.9	15.5	17.9	19.2	18.9	21.3	23.9	20
22	17.6	19.8	17.9	20.6	24.4	14.1	16.5	17.8	17.9	20.1	22.0	22
24	16.2	18.1	16.6	19.2	22.5	12.9	15.1	16.5	16.8	19.1	20.1	24
26	15.2	16.7	16.2	17.8	20.3	12.0	14.1	15.0	15.9	17.6	18.6	26
28	14.6	15.7	15.8	17.0	18.6	10.9	13.2	14.1	15.0	17.1	17.6	28
30	13.7	14.4	15.4	16.1	17.2	9.9	12.3	12.9	14.0	15.9	16.1	30
32	12.7	13.5	15.1	15.0	16.1	9.5	11.4	12.2	13.5	14.9	15.2	32
34	11.7	12.5	14.4	14.0	15.1	8.8	10.6	11.3	12.8	13.8	13.6	34
36	11.0	11.7	13.3	13.4	14.2	8.3	10.2	10.6	11.9	13.4	12.6	36
38	10.3	11.0	12.4	12.7	13.3	7.8	9.4	10.1	11.5	11.8	11.5	38
40	9.8	10.4	11.7	11.7	12.3	7.4	9.0	9.4	10.9	11.3	10.8	40
42	9.3	9.7	11.2	11.1	11.3	6.9	8.5	8.9	10.4	10.8	9.6	42
44	8.8	9.2	10.6	10.6	10.7	6.5	8.0	8.4	9.9	10.5	9.2	44
46	8.1	8.4	10.1	10.1	9.8	6.2	7.6	7.9	9.0	10.0	8.7	46
48	7.6	7.9	9.8	9.5	8.8	5.8	7.2	7.4	8.5	9.4	7.9	48
50	7.3	7.4	9.3	9.0	8.3	5.5	6.8	6.9	8.2	8.9	7.3	50
52	6.8	6.9	8.6	8.1	7.8	5.3	6.3	6.4	7.7	8.3	6.8	52
54	6.5	6.4	8.2	7.9	7.3	5.0	6.1	6.1	7.3	7.9	6.3	54
56	6.3	5.9	7.7	7.3	6.8	4.8	5.8	5.9	6.8	7.7	5.8	56
58	6.0	5.5	7.5	7.1	6.3	4.5	5.4	5.4	6.5	6.8	5.5	58
60	5.7	5.2	7.2	6.7	5.8	4.3	5.2	5.2	6.1	6.5	5.0	60
62	5.4	4.9	7.1	6.6	5.5	4.0	5.2	4.9	5.9	6.1	4.6	62
64						3.8	4.9	4.5	5.7	5.8	4.2	64
66						3.6	4.6	4.1	5.5	5.5	4.0	66
Code	0112222	0222211	1111222	1112221	2221111	0033333	0122222	0222221	1112222	1122221	2222111	Code
Parts of line	2	3	3	3	4	2	2	2	2	2	3	Parts of line
Hook block	40t	40t	40t	40t	90t	40t	40t	40t	40t	40t	40t	Hook block



m	٧٦.٧	٧٦.٧	٧٦.٧	٨١.٨	٨١.٨	٨٢.٠	٨٦.٩	٨٧.٨	٨٨.٧	٩٠.٤	٩٣.١	m
16	17.5	18.2	20.0	16.4	17.6	13.8						16
18	17.5	17.7	20.0	16.4	17.6	13.8						18
20	17.2	17.4	19.9	16.4	17.6	13.8	14.5	14.1	12.5	12.0	11.0	20
22	16.5	17.0	19.1	15.0	17.4	13.8	14.5	14.1	12.5	12.0	11.0	22
24	15.1	16.9	17.8	14.5	16.6	13.3	14.5	14.1	12.5	11.9	10.8	24
26	13.9	16.7	17.0	13.5	15.0	12.4	13.4	14.0	12.2	11.9	10.6	26
28	13.0	16.1	15.5	12.6	14.2	11.3	13.0	13.3	11.7	11.8	10.4	28
30	12.0	14.9	14.3	12.2	13.5	10.4	12.1	12.2	11.4	11.0	10.0	30
32	11.0	14.0	13.7	11.8	12.8	10.1	11.3	11.3	10.2	10.1	9.9	32
34	10.3	13.1	13.1	11.6	12.3	9.3	10.4	10.3	9.8	10.0	9.3	34
36	9.7	12.1	12.4	11.4	11.5	8.8	10.2	10.1	9.5	9.7	8.7	36
38	9.2	11.3	11.4	10.7	10.9	8.4	9.7	9.6	9.3	9.6	8.3	38
40	8.6	10.8	10.3	10.2	10.1	7.7	9.2	9.1	9.0	8.9	7.8	40
42	8.0	10.2	9.4	9.6	9.6	7.2	8.6	8.8	8.3	8.3	7.4	42
44	7.6	9.7	8.3	9.1	8.8	6.9	8.1	8.0	7.8	7.5	7.1	44
46	7.3	9.2	7.8	8.6	8.2	6.5	7.6	7.6	7.3	7.0	6.6	46
48	6.8	8.6	7.3	8.0	7.6	6.2	7.2	7.3	6.9	6.6	6.4	48
50	6.5	8.3	6.5	7.5	6.8	5.8	6.9	6.8	6.6	6.1	6.0	50
52	6.1	7.8	6.2	7.2	6.2	5.5	6.5	6.3	5.8	5.7	5.8	52
54	5.8	7.5	5.4	6.7	5.5	5.3	6.0	5.8	5.3	4.9	5.1	54
56	5.6	6.9	5.2	6.5	5.2	5.0	5.3	5.3	4.7	4.4	4.5	56
58	5.3	6.7	4.8	6.2	4.9	4.8	4.8	4.9	3.9	4.2	4.3	58
60	5.1	6.1	4.5	5.9	4.7	4.5	4.4	4.5	3.7	4.0	4.1	60
62	4.8	5.9	4.3	5.6	4.4	4.3	4.2	4.2	3.4	3.8	3.8	62
64	4.6	5.5	3.8	5.3	4.1	4.0	4.0	4.0	3.0	3.5	3.6	64
66	4.3	5.2	3.6	5.1	3.6	3.8	3.6	3.8	2.6	3.4	3.4	66
68	3.9	5.1	3.4	4.8	3.6	3.7	3.5	3.7	2.5	3.3	3.2	68
70	3.8	4.8	3.2	4.4	3.3	3.3	3.4	3.5	2.3	3.0	3.1	70
72	3.5	4.6	3.1	4.1	3.1	2.9	3.1	3.0	2.0	3.0	2.9	72
74				3.7	3.0	2.7	2.9	2.9	1.9	2.8	2.7	74
76				3.4	2.8	2.4	2.9	2.8	1.7	2.6	2.5	76
78							2.7	2.6	1.5	2.3	2.3	78
80									1.3	2.1	2.0	80
82											2.0	82
Code	0222222	1122222	2222211	1222222	2222221	0333333	2222222	3222222	3322222	3333222	3333333	Code
Parts of line	2	2	2	2	2	2	2	2	1	1	1	Parts of line
Hook block	40t	40t	40t	40t	40t	40t	40t	40t	13.5t	13.5t	13.5t	Hook block


9420
8880
8100
3500
4950
6280
15 25 35°
R10250
R10160
R10050
T93.1m
93.1m
90.4m
88.7m
87.8m
86.9m
82m
81.8m
71.6m
71m
76.7m
66.5m
61.4m
56.3m
59.9m
46.2m
36m
41.1m
37.7m
51.2m
48.8m
30.9m
100
90
80
70
60
50
40
30
20
10
LIFTING HEIGHT m
0
10
20
30
40
50
60
70
80
90
Working radius/m

m	30.9-36m 	9.216m×8.53m 		100t 							m
	٣٠.٩	٣٠.٩	٣٠.٩	٣٠.٩	٣٠.٩	٣٠.٩	٣٠.٩	٣٠.٩	٣٦.٠	٣٦.٠	
5	133.1	134.0	135.2	140.8	140.0	139.2	138.4	137.6			5
6	128.0	130.0	131.1	132.6	131.8	130.9	129.2	129.2	113.0	120.0	6
7	124.1	124.8	126.2	126.0	125.1	123.3	122.4	122.4	110.1	115.0	7
8	120.3	121.9	121.9	113.4	112.5	111.6	109.8	109.8	107.1	110.9	8
9	113.7	113.7	113.7	105.8	104.9	103.0	102.1	102.1	104.0	104.7	9
10	104.9	103.9	103.9	96.6	95.7	94.8	92.9	92.9	98.1	99.0	10
12	89.2	89.2	89.2	86.4	84.5	83.5	81.6	81.6	89.2	88.2	12
14	77.4	77.4	76.4	73.9	73.0	72.0	70.1	70.1	77.4	77.4	14
16	66.2	66.2	66.2	65.3	63.4	62.4	60.5	60.5	68.6	67.6	16
18	59.5	58.6	58.6	55.2	54.3	52.4	50.6	50.6	59.5	59.5	18
20	52.8	52.8	51.8	48.8	46.9	46.0	44.2	43.2	53.8	52.8	20
22	47.0	46.1	46.1	43.2	41.4	39.6	38.6	36.8	48.0	47.0	22
24	41.3	41.3	41.3	36.9	35.1	34.2	32.4	31.5	42.2	42.2	24
26	34.2	34.2	34.2	32.4	31.5	29.7	27.9	27.9	35.9	35.9	26
28	26.0	26.0	25.1	24.2	22.3	21.4	19.6	18.6	33.1	32.2	28
30									28.8	28.8	30
32									27.0	26.1	32
Code	0000012	0000021	0000111	0001110	0011100	111000	1110000	1200000	0000022	0000112	Code
Parts of line	11	11	11	12	12	12	12	12	10	10	Parts of line
Hook block	135t	135t	170t	170t	170t	170t	170t	170t	135t	135t	Hook block

m	36-41.1m 	9.216m×8.53m 		100t 							m
	٣٦.٠	٣٦.٠	٣٦.٠	٣٦.٠	٣٦.٠	٣٦.٠	٣٦.٠	٣٧.٧	٤١.١	٤١.١	
6	120.1	123.2	123.2	122.4	121.6	120.0	120.0	106.0			6
7	116.1	118.0	118.0	109.6	108.8	107.2	107.2	102.9	103.8	112.1	7
8	112.0	113.0	115.0	106.0	103.9	102.9	102.9	100.0	98.6	111.5	8
9	105.8	108.0	109.0	101.7	100.8	99.0	99.0	94.9	95.9	101.7	9
10	100.0	102.9	102.9	95.7	93.8	92.9	92.0	90.1	93.6	93.6	10
12	88.2	88.2	88.2	81.0	80.0	78.2	78.2	81.9	84.6	83.7	12
14	76.4	76.4	76.4	73.9	72.0	70.1	70.1	71.1	76.4	76.4	14
16	67.6	67.6	66.6	64.3	63.4	61.4	60.5	63.0	67.6	67.6	16
18	58.6	58.6	58.6	56.6	55.7	53.8	53.8	55.8	60.8	59.8	18
20	52.8	52.8	51.8	50.9	49.0	47.0	46.1	50.4	53.9	53.9	20
22	47.0	47.0	46.1	45.1	43.2	41.3	40.3	45.0	49.0	48.0	22
24	42.2	41.3	41.3	37.7	35.9	34.0	33.1	38.3	43.2	42.2	24
26	35.9	35.0	35.0	33.1	32.2	30.4	29.4	33.2	37.4	37.4	26
28	32.2	32.2	31.3	29.7	27.9	26.1	25.2	30.6	34.6	33.6	28
30	28.8	27.9	27.9	26.1	25.2	23.4	22.5	28.1	30.4	29.4	30
32	26.1	26.1	25.2	24.3	22.5	20.4	19.8	25.5	27.6	26.7	32
34								23.0	25.2	24.3	34
36									22.5	22.5	36
38									17.1	16.6	38
Code	0000121	0000211	0001111	0011110	0111100	1111000	1120000	0000033	0000122	0000221	Code
Parts of line	10	10	10	10	10	10	10	9	9	9	Parts of line
Hook block	135t	135t	135t	135t	135t	135t	135t	135t	135t	135t	Hook block

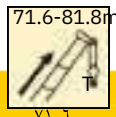
m	41.1-46.2m T	9.216m×8.53m	360°	100t	SL	٤١.١	٤٦.٢	٤٦.٢	٤٦.٢	٤٦.٢	m
7	114.2	114.2	114.2	113.4	112.6	111.7					7
8	111.6	110.7	110.7	110.7	108.9	108.0	89.5	89.9	90.3	90.1	8
9	108.5	108.5	107.5	107.5	106.6	104.6	89.6	88.1	88.8	89.9	9
10	99.8	99.8	98.9	98.9	97.9	96.0	88.6	86.4	87.7	88.7	10
12	85.4	85.4	85.4	84.5	83.5	81.6	78.8	79.2	84.5	86.2	12
14	76.4	75.5	75.5	75.5	73.5	72.5	71.8	70.8	73.0	74.5	14
16	67.6	66.6	66.6	65.7	64.7	62.7	63.5	62.6	64.3	66.6	16
18	59.8	59.8	58.8	58.8	56.8	55.9	58.6	58.6	57.6	58.8	18
20	53.9	52.9	52.9	52.9	51.0	49.0	53.9	53.9	52.9	52.9	20
22	48.0	47.0	47.0	47.0	45.1	43.1	48.0	48.0	47.0	47.0	22
24	42.2	41.3	41.3	41.3	38.4	36.5	43.1	43.1	42.1	42.1	24
26	37.4	36.5	36.5	35.5	34.6	32.6	37.4	37.4	36.5	36.5	26
28	33.6	33.6	32.6	32.6	30.7	28.8	34.6	33.6	32.6	33.6	28
30	29.4	28.5	28.5	28.5	26.7	24.8	31.7	30.7	29.8	30.7	30
32	26.7	26.7	25.8	25.8	23.9	22.1	27.6	27.6	26.7	26.7	32
34	24.3	23.4	23.4	23.4	21.6	19.6	25.8	24.8	23.9	23.9	34
36	22.5	21.6	21.6	20.7	18.9	17.1	23.9	23.0	22.1	22.1	36
38	16.6	15.7	15.7	14.7	12.8	11.2	21.6	20.7	19.8	19.8	38
40							19.8	19.6	18.5	18.6	40
42							17.2	17.1	16.3	16.0	42
Code	0001112	0001211	0002111	0011111	0111110	1111100	0000222	0001122	0002211	0011112	Code
Parts of line	9	9	9	9	9	9	8	8	8	8	Parts of line
Hook block	135t	135t	135t	135t	135t	135t	90t	90t	135t	135t	Hook block

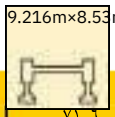
m	46.2-51.2m T	9.216m×8.53m	360°	100t	SL						m
	٤٦.٢	٤٦.٢	٤٦.٢	٤٦.٢	٤٦.٢	٤٨.٨	٥١.٢	٥١.٢	٥١.٢	٥١.٢	
8	90.1	90.0	90.0	89.3	87.8	88.2					8
9	89.1	89.1	89.1	87.5	86.7	87.4	84.1	85.2	86.4	86.3	9
10	88.7	87.9	87.9	86.1	84.3	86.8	81.9	82.6	84.3	82.0	10
12	85.3	85.3	84.3	81.6	79.7	79.7	74.9	76.2	77.3	79.1	12
14	74.5	74.5	73.5	71.0	69.1	71.6	67.4	68.0	69.9	72.0	14
16	65.7	65.7	64.7	62.4	60.5	65.3	61.1	61.6	61.6	60.7	16
18	57.8	57.8	57.8	54.7	53.8	58.6	57.3	56.4	56.4	55.5	18
20	51.9	51.9	51.9	49.0	48.0	52.8	52.8	51.8	51.8	50.9	20
22	46.1	46.1	46.1	44.1	42.1	48.0	48.0	47.0	47.0	46.1	22
24	41.2	41.2	39.2	37.2	36.3	44.1	44.0	43.0	43.0	42.0	24
26	35.5	35.5	34.6	32.6	31.7	38.2	39.8	38.0	38.0	37.0	26
28	32.6	31.7	31.7	29.8	27.8	35.3	35.7	35.0	35.0	33.0	28
30	29.8	28.8	28.8	26.9	25.0	32.3	32.6	32.0	32.0	29.4	30
32	25.8	25.8	24.8	23.0	21.2	29.4	30.6	29.0	29.0	27.4	32
34	23.9	23.0	23.0	21.2	19.3	27.4	27.5	27.0	27.0	24.5	34
36	22.1	21.2	21.2	18.9	17.0	25.0	24.5	24.5	24.5	21.6	36
38	19.7	18.9	18.9	16.7	14.9	23.0	23.0	22.1	22.1	19.7	38
40	17.7	17.1	16.9	14.8	13.0	21.1	21.1	20.2	20.2	17.9	40
42	15.6	14.9	14.3	12.2	10.6	18.6	18.4	18.1	18.2	16.2	42
44						17.4	17.3	16.5	16.6	14.6	44
46						10.8	15.5	14.7	14.8	13.2	46
48							11.4	10.5	10.6	8.7	48
Code	0012111	0021111	0111111	1111110	2111100	0000333	0001222	0002221	0011122	0022111	Code
Parts of line	8	8	8	8	7	7	7	7	7	7	Parts of line
Hook block	135t	90t	90t	90t	90t	90t	90t	90t	90t	90t	Hook block

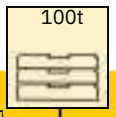
m	51.2-56.3m T	9.216m×8.53m	360°	100t	SL						m
	٥١.٢	٥١.٢	٥١.٢	٥١.٢	٥١.٢	٥٦.٣	٥٦.٣	٥٦.٣	٥٦.٣	٥٦.٣	
9	87.2	86.4	85.6	84.8	84.8						9
10	86.0	85.1	85.1	84.3	83.4	69.5	70.5	73.3	73.4	76.6	10
12	82.6	81.6	79.9	78.0	78.0	62.5	63.0	65.6	66.1	73.9	12
14	72.0	71.0	71.0	69.1	69.1	59.7	60.4	63.6	63.6	70.1	14
16	63.4	62.4	62.4	61.4	60.5	53.9	55.3	58.5	59.4	61.4	16
18	56.6	55.7	54.7	53.8	53.8	52.6	53.1	52.2	53.1	55.9	18
20	50.9	49.0	49.0	48.0	47.0	48.1	48.6	46.8	47.7	50.0	20
22	46.1	45.1	44.1	43.1	42.1	45.1	45.1	44.2	44.2	44.1	22
24	42.0	40.0	39.0	38.0	37.0	42.2	41.3	37.6	39.5	38.2	24
26	37.0	36.0	35.0	34.0	33.0	38.8	38.0	36.3	36.3	34.3	26
28	34.0	32.0	32.0	30.0	30.0	35.7	35.0	32.3	33.3	31.4	28
30	30.4	28.4	28.4	26.5	26.5	32.6	32.0	28.8	29.8	27.8	30
32	27.4	26.5	25.5	24.5	23.5	29.6	29.0	26.9	26.9	25.0	32
34	25.5	23.5	23.5	21.6	21.6	27.5	27.0	24.0	25.0	23.0	34
36	22.6	20.7	20.7	18.8	18.8	25.0	25.0	22.1	23.0	21.1	36
38	20.7	18.8	18.8	16.9	16.9	22.5	22.5	21.1	21.1	19.2	38
40	18.4	16.8	16.6	14.9	14.7	21.1	19.7	18.4	18.4	16.6	40
42	16.2	15.1	14.7	13.2	12.8	19.2	18.8	16.6	17.5	15.6	42
44	15.0	13.6	13.2	11.7	11.3	18.2	16.9	15.6	16.3	14.1	44
46	13.6	12.1	11.7	10.3	9.9	16.3	16.0	14.3	14.7	12.4	46
48	9.2	7.7	7.5	6.1	5.6	14.4	14.1	12.7	13.2	11.1	48
50						13.3	13.0	11.5	12.1	9.9	50
52						11.5	11.2	10.0	10.2	8.4	52
Code	0111112	0211111	1111111	1211110	2111110	0002222	0011222	0022211	0111122	0221111	Code
Parts of line	7	7	7	7	7	6	6	6	6	6	Parts of line
Hook block	90t	90t	90t	90t	90t	90t	90t	90t	90t	90t	Hook block

m	56.3-61.4m T	9.216m×8.53m	360°	100t	SL						m
	٥٦.٣	٥٦.٣	٥٦.٣	٥٦.٣	٥٩.٩	٦١.٤	٦١.٤	٦١.٤	٦١.٤	٦١.٤	
10	76.6	76.6	76.6	75.8							10
12	73.9	73.0	73.0	72.2	62.1	58.2	59.9	58.4	64.8	62.7	12
14	70.1	67.7	67.7	66.7	56.0	52.7	53.6	53.8	64.8	61.6	14
16	63.7	61.4	59.2	58.3	51.6	50.8	51.7	52.1	61.4	60.2	16
18	58.0	54.9	54.9	53.9	47.3	47.4	47.3	48.7	54.7	54.7	18
20	51.0	49.0	49.0	48.0	43.8	45.7	46.4	46.1	48.0	49.0	20
22	46.0	43.1	43.1	42.1	40.3	42.0	42.3	42.3	44.1	45.1	22
24	40.0	37.2	37.2	36.3	38.7	41.3	38.4	40.3	38.2	39.2	24
26	35.3	33.3	33.3	32.3	34.2	36.3	36.3	36.3	34.3	35.3	26
28	31.4	30.4	30.4	29.4	31.5	34.0	33.0	34.0	31.4	32.3	28
30	27.8	26.9	26.9	25.9	28.8	31.6	31.0	31.0	28.4	29.4	30
32	25.9	25.0	24.0	23.0	26.1	29.6	28.0	28.0	25.5	26.5	32
34	24.0	22.1	22.1	21.1	24.3	27.5	26.0	26.0	23.0	24.0	34
36	22.1	20.2	20.2	19.2	22.5	25.5	24.0	24.0	21.1	22.1	36
38	20.2	18.2	18.2	17.3	20.7	23.5	22.0	22.0	19.2	20.2	38
40	17.5	16.6	15.6	14.7	19.8	21.4	20.0	21.0	18.2	19.2	40
42	16.3	14.7	14.5	13.2	18.0	20.0	18.6	18.6	15.6	16.6	42
44	14.7	13.4	12.9	11.6	17.1	18.0	16.3	17.3	14.5	15.6	44
46	13.0	11.7	11.3	10.0	16.1	16.7	15.4	15.4	12.9	13.8	46
48	11.7	10.4	10.1	8.7	14.4	15.3	14.3	14.4	11.8	12.9	48
50	10.6	9.3	8.9	7.6	13.5	13.5	12.5	12.9	10.7	11.7	50
52	8.7	7.3	7.3	6.0	11.9	12.4	11.4	11.8	9.6	10.6	52
54					10.9	11.1	10.2	10.5	8.4	9.4	54
56					9.5	10.2	9.3	9.6	7.5	8.5	56
58						7.2	6.1	6.3	4.3	5.0	58
Code	1111112	1211111	2111111	2211110	0003333	0012222	0022221	0111222	0222111	1111122	Code
Parts of line	6	6	6	6	5	5	5	5	5	5	Parts of line
Hook block	90t	90t	90t	90t	90t	90t	90t	90t	90t	90t	Hook block

m	61.4-71.6m T	9.216m×8.53m	360°	100t	SL						m
	٦١.٤	٦١.٤	٦٦.٥	٦٦.٥	٦٦.٥	٦٦.٥	٦٦.٥	٦٦.٥	٧١.٠	٧١.٦	
12	64.8	64.0	54.2	54.3	58.3	58.8	61.0	62.3			12
14	63.2	63.2	49.5	49.7	52.9	57.4	58.1	60.2	47.0	46.0	14
16	60.5	59.5	48.1	48.6	51.2	53.0	53.4	57.0	44.0	42.2	16
18	53.8	52.8	47.0	47.6	49.8	49.5	50.0	52.8	40.9	41.5	18
20	48.0	47.0	43.4	44.0	48.0	46.6	47.0	47.0	38.2	38.3	20
22	43.1	42.1	40.3	40.4	44.1	45.1	43.2	42.1	34.6	37.4	22
24	37.2	36.3	37.6	37.6	37.4	39.0	39.0	36.3	31.3	35.7	24
26	33.3	32.3	34.8	33.8	32.9	35.3	34.3	32.3	29.0	33.8	26
28	30.4	29.4	33.3	32.3	31.4	31.4	31.4	29.4	27.4	31.7	28
30	27.4	26.5	31.0	30.0	28.4	29.4	28.4	26.5	26.0	30.0	30
32	24.5	24.5	28.6	28.0	25.5	26.5	26.5	24.5	25.2	28.0	32
34	22.1	22.1	26.5	26.0	23.5	24.5	24.5	21.6	23.4	25.0	34
36	20.2	20.2	24.5	24.0	21.6	22.5	22.5	19.6	21.6	24.2	36
38	18.2	18.2	22.4	22.0	19.6	20.6	20.6	18.6	19.8	23.1	38
40	17.3	16.3	21.4	20.0	18.6	19.6	18.6	16.7	18.9	21.0	40
42	14.7	14.5	19.4	19.0	16.7	17.3	17.3	15.3	17.1	20.0	42
44	13.6	12.9	18.4	18.0	15.7	16.3	15.4	13.4	16.2	17.9	44
46	12.2	11.5	17.0	16.0	14.0	14.7	13.8	11.7	15.3	16.8	46
48	10.9	10.2	15.8	15.0	12.7	12.9	12.8	10.5	14.4	15.8	48
50	9.7	9.1	14.0	14.0	11.3	12.0	11.6	9.3	13.3	14.7	50
52	8.6	8.0	12.8	13.0	10.2	11.0	10.5	8.2	12.3	12.7	52
54	7.5	6.8	11.8	11.2	9.0	9.9	9.3	7.1	11.3	11.6	54
56	6.5	5.9	10.1	9.8	8.1	9.0	8.4	6.2	9.8	10.4	56
58	3.0	2.6	9.3	9.0	7.2	8.2	7.6	5.3	9.0	9.5	58
60			8.5	8.2	6.5	7.4	6.8	4.6	8.3	8.7	60
62			7.2	6.7	5.3	6.0	5.5	3.0	7.6	7.9	62
64									7.0	6.7	64
66									6.3	6.1	66
Code	1221111	2211111	0022222	0112222	0222211	1111222	1112221	2221111	0033333	0122222	Code
Parts of line	5	5	5	5	5	5	5	5	4	4	Parts of line
Hook block	90t	90t	90t	90t	90t	90t	90t	90t	90t	90t	Hook block

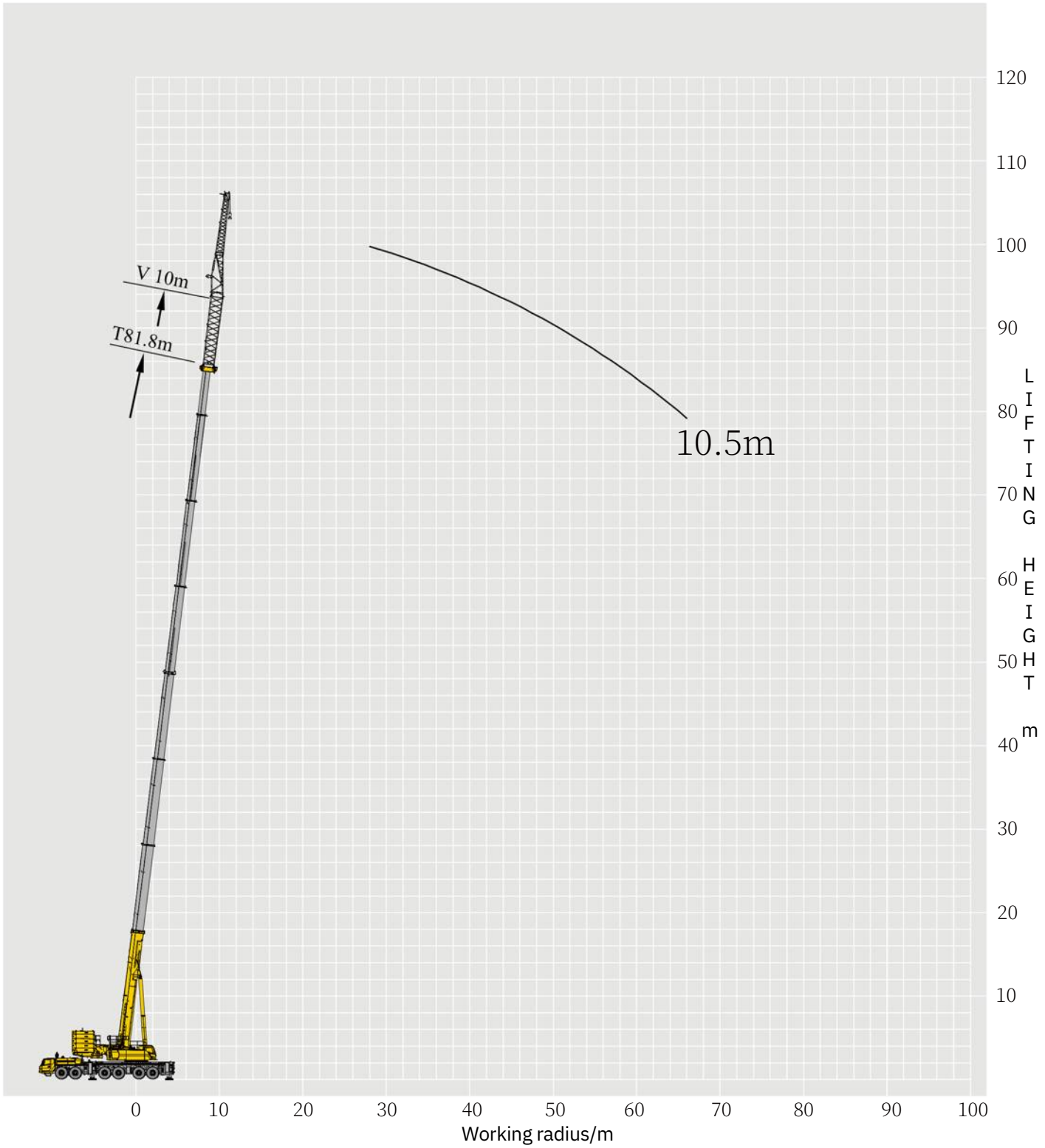




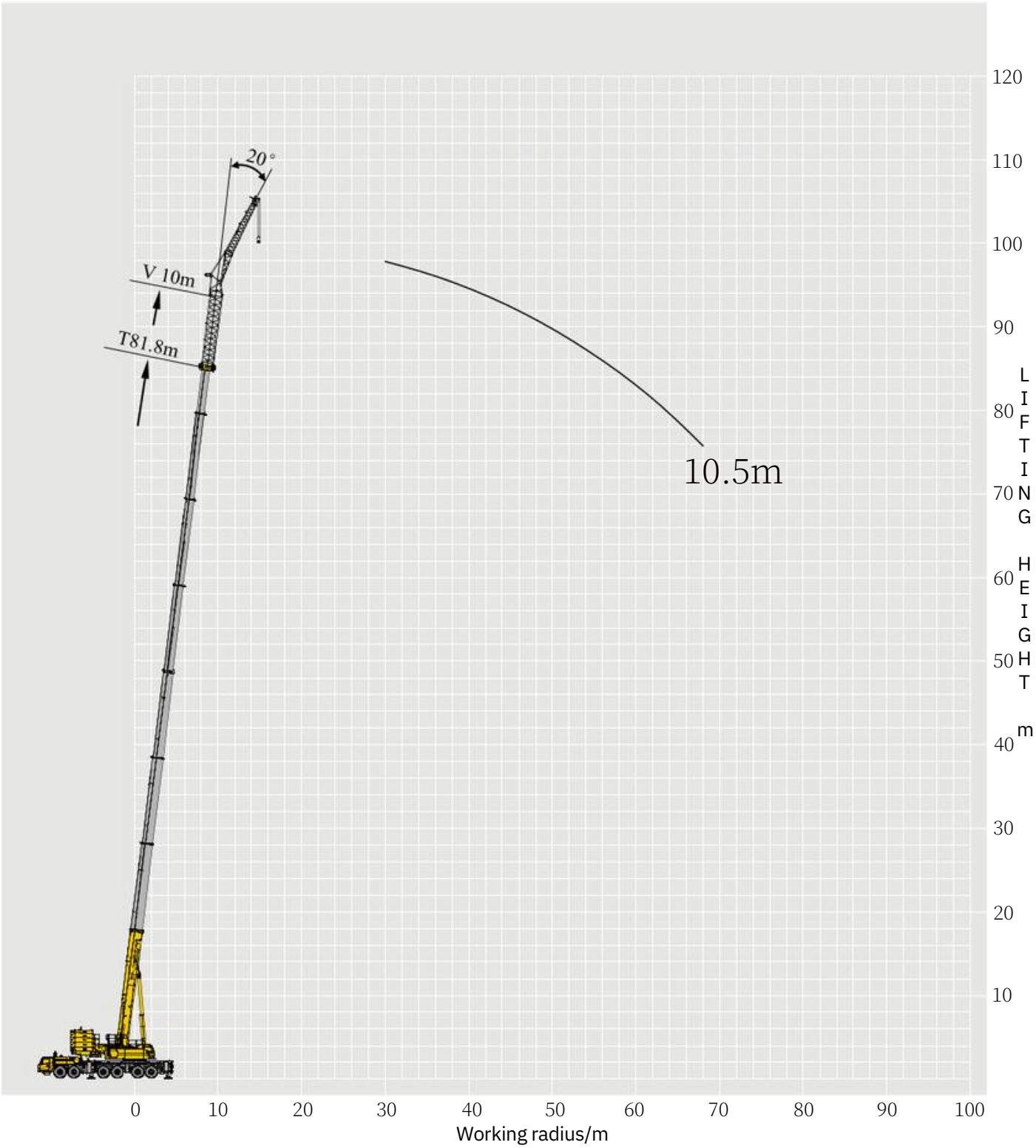


m	٧١.٦	٧١.٦	٧١.٦	٧١.٦	٧٦.٧	٧٦.٧	٧٦.٧	٨١.٨	m
14	48.0	47.3	49.0	52.2					14
16	43.5	46.8	48.3	51.2	38.3	40.5	47.8	32.7	16
18	42.9	41.9	46.1	49.7	36.7	39.0	45.0	31.1	18
20	41.1	38.8	42.7	45.6	35.1	36.8	42.9	30.4	20
22	40.2	37.7	40.9	42.1	33.5	34.6	40.0	28.2	22
24	36.5	35.7	38.0	36.3	31.4	33.0	36.0	26.7	24
26	33.6	32.9	35.0	32.3	30.2	32.3	33.0	25.4	26
28	30.7	30.7	30.4	29.4	28.8	30.7	30.0	24.3	28
30	28.4	28.4	28.4	26.5	27.8	29.0	27.0	23.6	30
32	26.5	26.5	25.5	24.5	26.5	27.0	25.0	23.0	32
34	23.5	24.5	23.5	21.6	25.0	23.5	22.5	21.9	34
36	21.6	22.5	21.6	20.6	23.5	22.5	20.6	22.0	36
38	20.6	20.6	19.6	18.6	21.8	20.6	18.6	20.0	38
40	18.6	19.6	18.6	16.7	20.8	18.6	16.7	19.4	40
42	17.6	17.6	16.7	15.7	18.7	17.6	15.7	17.9	42
44	15.7	16.7	15.7	13.7	17.7	16.7	14.7	16.8	44
46	14.7	15.7	14.7	12.7	16.6	14.7	12.7	15.8	46
48	13.4	13.4	12.8	10.9	14.6	13.7	11.8	14.7	48
50	11.9	12.5	11.6	9.7	13.5	12.7	10.8	13.7	50
52	10.8	11.5	10.5	8.7	12.3	11.5	9.2	11.7	52
54	9.9	10.4	9.6	7.7	11.3	10.6	8.2	10.7	54
56	8.7	9.4	8.5	6.6	10.3	9.4	7.3	9.7	56
58	7.9	8.4	7.6	5.8	9.2	8.5	6.3	8.8	58
60	7.1	7.6	6.9	5.0	8.4	7.7	5.6	8.0	60
62	6.4	6.9	6.1	4.3	7.6	6.9	4.8	7.0	62
64	5.7	6.2	5.4	3.6	6.9	6.2	4.2	6.3	64
66	5.1	5.6	4.8	3.0	6.2	5.6	3.5	5.7	66
68					5.2	5.0	3.0	5.0	68
70					4.7	4.4	2.4	4.4	70
72					3.5	3.0	1.1	3.6	72
74								3.1	74
76								2.7	76
Code	0222221	1112222	1122221	2222111	0222222	1122222	2222211	1222222	Code
Parts of line	4	4	4	4	3	4	4	3	Parts of line
Hook block	90t	90t	90t	90t	40t	90t	90t	40t	Hook block

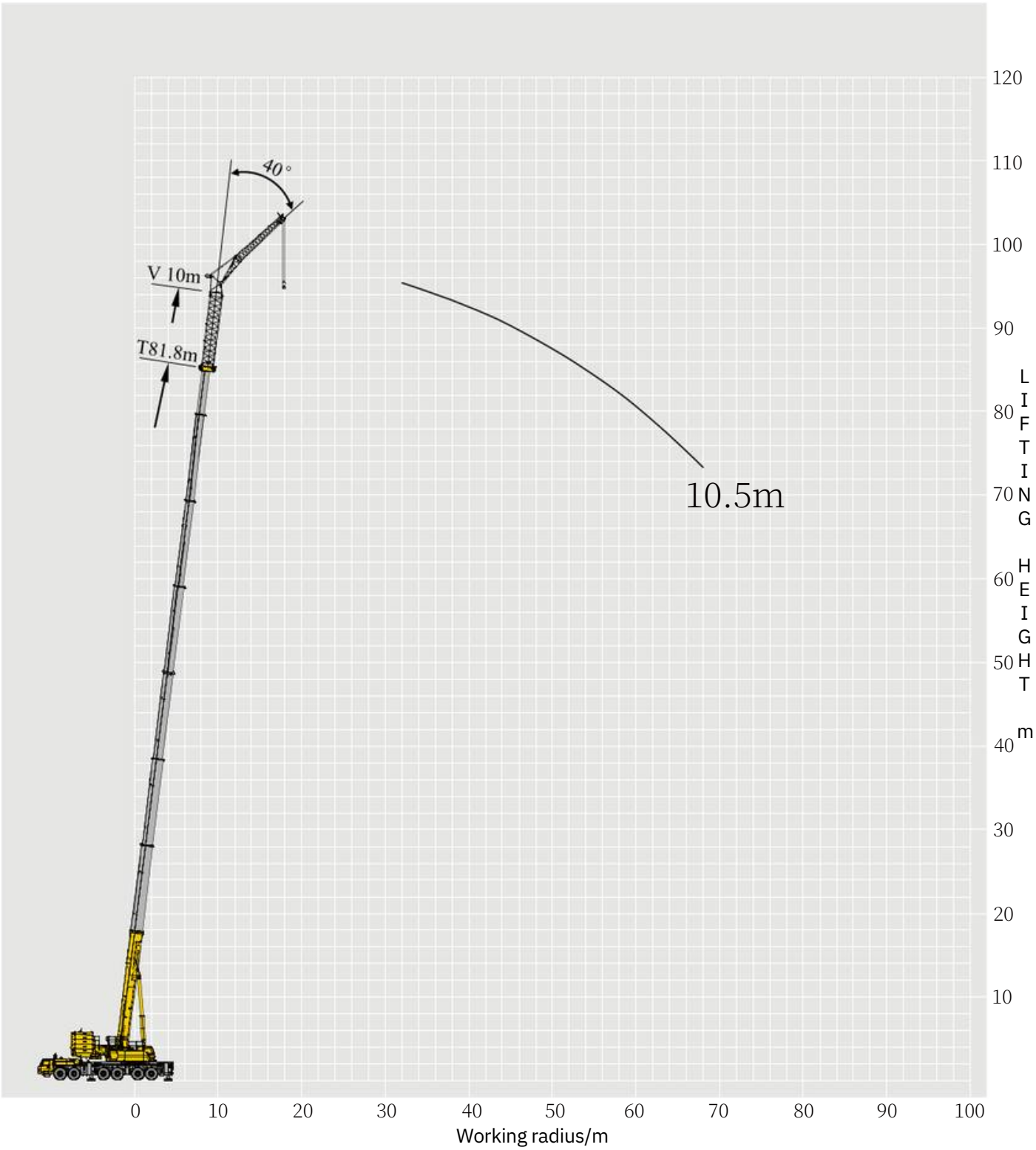
m	81.8-93.1m T	9.216m×8.53m	360°	100t	SL	m
	٨١.٨	٨٢.٠	٨٦.٩	٨٧.٨	٨٨.٧	٩٠.٤	٩٣.١	
16	39.2	30.0						16
18	37.1	28.3	26.9	25.5	23.7			18
20	35.0	26.9	25.6	24.0	21.8	20.4	19.0	20
22	33.8	24.9	25.0	23.1	21.3	19.8	17.7	22
24	31.7	23.5	22.6	22.0	20.6	19.0	16.7	24
26	30.0	22.7	21.8	21.3	19.6	18.5	16.2	26
28	28.3	21.8	20.6	19.8	18.8	18.0	14.5	28
30	26.5	21.0	19.4	18.7	17.4	17.4	13.9	30
32	24.5	18.9	18.9	17.7	16.9	16.5	13.5	32
34	22.5	18.5	18.5	17.1	16.0	16.1	12.4	34
36	21.0	18.3	17.7	16.1	15.5	14.7	12.1	36
38	19.0	17.0	16.4	15.8	15.2	13.7	11.2	38
40	18.0	16.6	16.2	14.6	14.4	13.0	11.2	40
42	16.0	16.3	14.8	14.3	13.9	12.6	11.0	42
44	15.0	15.1	14.6	14.3	13.1	12.1	9.7	44
46	14.0	14.4	13.4	13.4	12.9	11.4	9.5	46
48	13.0	12.6	12.5	12.2	11.9	11.2	9.1	48
50	11.3	11.7	11.5	11.5	11.3	11.2	8.6	50
52	10.2	11.5	10.8	10.8	10.8	10.8	8.6	52
54	9.2	10.5	9.8	9.8	9.8	10.0	8.6	54
56	7.9	9.6	8.6	8.5	8.8	9.0	8.2	56
58	7.1	8.8	7.8	7.7	7.5	7.8	7.5	58
60	6.3	8.0	7.0	6.9	6.7	7.0	7.1	60
62	5.6	7.3	6.2	6.2	6.0	6.3	6.6	62
64	4.8	6.7	5.4	5.4	5.3	5.6	5.9	64
66	4.2	6.0	4.8	4.7	4.7	5.0	5.3	66
68	3.6	5.4	4.2	4.2	4.1	4.3	4.5	68
70	3.0	4.9	3.7	3.6	3.6	3.7	3.9	70
72	2.5	4.4	3.2	3.1	3.1	3.2	3.4	72
74	2.0	3.9	2.7	2.6	2.6	2.7	2.8	74
76	1.5	3.4	2.2	2.1	2.1	2.2	2.4	76
78			1.8	1.7	1.7	1.7	1.8	78
80			1.3	1.3	1.2	1.3	1.5	80
Code	2222221	0333333	2222222	3222222	3322222	3333222	3333333	Code
Parts of line	3	3	2	2	2	2	2	Parts of line
Hook block	40t	40t	40t	40t	40t	40t	40t	Hook block


V 10m
T81.8m
10.5m
120
110
100
90
80
70
60
50
40
30
20
10
LIFTING HEIGHT m
0
10
20
30
40
50
60
70
80
90
100
Working radius/m

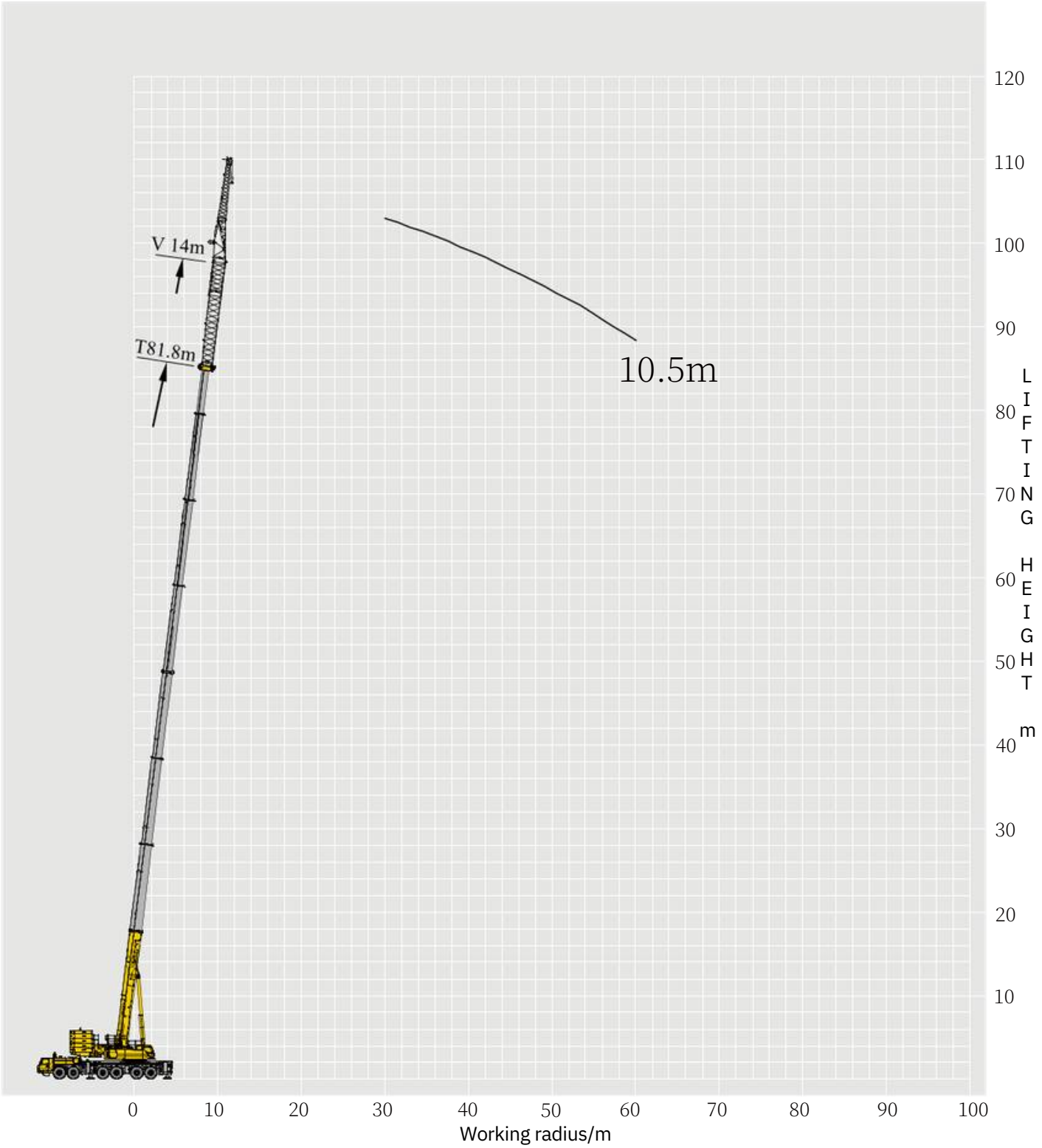
m	46.2-81.8m T	10.159m.2m	0°	9.216m×8.53m	360°	100t	10m V			m
	٤٦.٢+١٠m	٥١.٣+١٠m	٥٦.٤+١٠m	٦١.٤+١٠m	٦٦.٥+١٠m	٧١.٦+١٠m	٧٦.٧+١٠m	٨١.٨+١٠m		
12 14	20.1									12
16 18	18.8	17.4								14
20 22	17.6	16.6	16.2							16
24 26	16.9	15.7	15.4	14.5						18
28 30	15.9	15.0	14.7	14.0	13.1					20
32 34	14.8	14.1	14.2	13.6	12.7	10.1				22
36 38	14.0	13.6	13.6	13.2	11.9	10.1				24
40 42	13.3	13.0	12.9	12.6	11.6	10.1	9.1			26
44 46	12.6	12.3	12.5	12.1	11.2	10.1	8.9	7.4		28
48	12.0	11.8	11.8	11.5	10.9	9.9	8.8	7.3		30
50	11.5	11.3	11.4	11.1	10.7	9.9	8.7	7.2		32
52 54	11.0	10.9	10.9	10.7	10.3	9.4	8.5	7.1		34
56 58	10.6	10.4	10.4	10.2	9.6	8.7	7.9	7.0		36
60 62	10.1	9.9	10.0	10.0	9.1	8.2	7.3	6.6		38
64 66	9.6	9.6	9.7	9.6	8.6	7.6	6.8	6.1		40
68 70	9.2	9.2	9.5	8.9	8.0	6.9	6.3	5.7		42
72 74	8.9	8.9	9.0	8.4	7.5	6.3	5.7	5.1		44
76	8.5	8.6	8.8	7.9	7.0	5.8	5.2	4.7		46
Code	8.2	8.4	8.5	7.4	6.4	5.3	4.6	4.5		48
Parts of line	8.0	8.1	8.3	6.9	5.9	4.9	4.3	3.9		50
				6.4			4.1	3.7		52
	7.7	7.9	7.9	5.8	5.3	4.5	3.6	3.4		54
	7.5	7.6	7.4	5.3	4.9	4.1	3.3	3.0		56
	7.2	7.4	7.0	5.0	4.5	3.9	3.1	2.7		58
	6.6	7.1	6.6	4.6	4.1	3.4	2.7	2.4		60
	6.4	6.9	6.1	4.5	3.8	3.1	2.5	2.2		62
	6.2	6.4	5.5	4.0	3.6	2.7	2.1	2.0		64
		6.3	5.3	3.8	3.1	2.7	2.0	1.9		66
		6.1	4.7	3.5	3.0	2.3	1.8			68
			4.1	3.1	2.6	1.9				70
			3.8	2.9	2.3	1.8				72
			3.6	2.6	2.1	1.7				74
				2.3	1.8					76
					1.7					Code
	1111110	1111111	2111111	2211111	2221111	2222111	2222211	2222221		
	2	2	2	2	1	1	1	1		Parts of line
Hook block	40t	40t	40t	40t	13.5t	13.5t	13.5t	13.5t		Hook block


20°
V 10m
T81.8m
10.5m
120
110
100
90
80
70
60
50
40
30
20
10
LIFTING HEIGHT m
0
10
20
30
40
50
60
70
80
90
100
Working radius/m

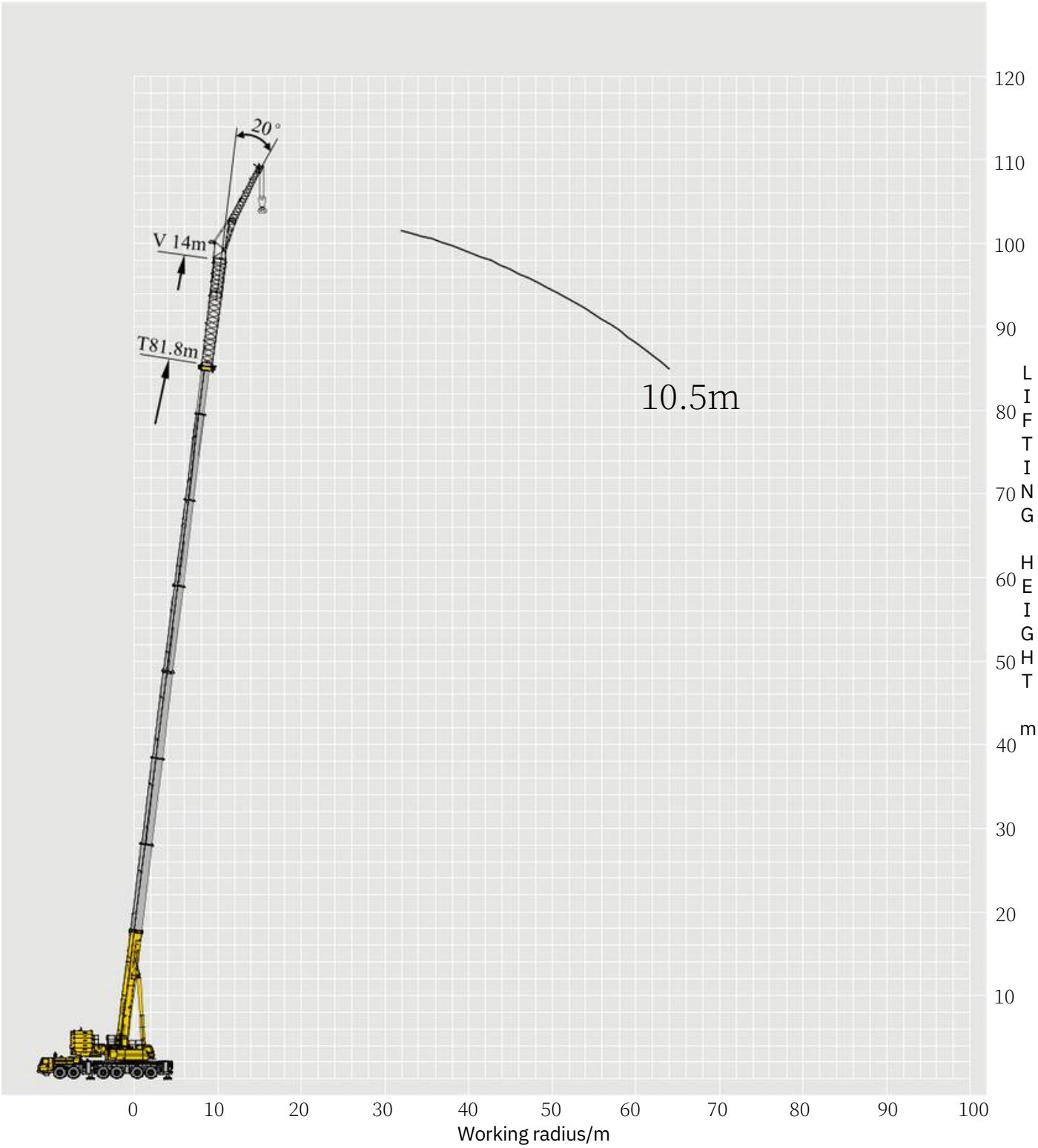
m	46.2-81.8m T	10.159m.2m	20°	9.216m×8.53m	360°	100t	10m V			m
	٤٦.٢+١٠m	٥١.٣+١٠m	٥٦.٤+١٠m	٦١.٤+١٠m	٦٦.٥+١٠m	٧١.٦+١٠m	٧٦.٧+١٠m	٨١.٨+١٠m		
16 18	12.9									16 18
20 22	12.3	12.5	12.5							20 22
24 26	12.1	12.2	12.2							24 26
28 30	12.0	12.1	11.9	11.5						28 30
32 34	11.9	11.7	11.3	11.1	10.5					32 34
36 38	11.5	11.3	11.0	10.7	10.3	9.4				36 38
40 42	11.1	10.8	10.7	10.5	9.9	9.2	8.5			40 42
44 46	10.6	10.4	10.4	10.2	9.8	9.1	8.3	7.6		44 46
48	10.2	9.9	10.0	9.9	9.6	9.0	8.1	7.5		48
50 52	9.8	9.6	9.7	9.6	9.3	8.8	8.0	7.3		50 52
54 56	9.4	9.4	9.3	9.4	8.9	8.5	7.7	7.0		54 56
58	9.2	8.9	9.1	9.0	8.7	8.1	7.3	6.6		58
60 62	8.8	8.7	8.8	8.7	8.2	7.6	6.9	6.1		60 62
64 66	8.4	8.4	8.6	8.5	7.8	7.1	6.3	5.7		64 66
68 70	8.2	8.2	8.3	8.3	7.3	6.4	5.9	5.1		68 70
72 74	7.9	7.9	8.1	7.9	7.0	5.9	5.4	5.0		72 74
76 78	7.7	7.7	7.9	7.5	6.6	5.5	4.8	4.5		76 78
80						5.1	4.5	4.3		80
Code	7.4	7.4	7.6	7.1	6.0	4.8	4.3	3.9		Code
Parts of line	7.4	7.4	7.4	6.7	5.6	4.3	3.8	3.7		Parts of line
	7.2	7.2	7.4	6.1	5.2	4.0	3.5	3.4		
	6.9	7.0	7.1	5.8	4.8	3.7	3.2	3.0		
	6.5	6.9	6.7	5.3	4.3	3.4	2.8	2.8		
	6.3	6.7	6.3	5.1	4.0	3.0	2.7	2.5		
		6.6	5.7	4.8	3.7	2.8	2.4	2.2		
		6.5	5.5	4.4	3.4	2.5	2.2	2.0		
		6.1	4.9	3.8	3.2	2.3	1.9	1.7		
			4.5	3.6	2.8	2.0	1.6			
			4.0	3.3	2.6	1.9	1.5			
				2.8	2.2	1.7				
				2.4	2.0	1.4				
				2.2	1.7					
					1.5					
					1.3					
	1111110	1111111	2111111	2211111	2221111	2222111	2222211	2222221		
	1	1	1	1	1	1	1	1		
Hook block	13.5t	13.5t	13.5t	13.5t	13.5t	13.5t	13.5t	13.5t		Hook block


40°
V 10m
T81.8m
10.5m
120
110
100
90
80
70
60
50
40
30
20
10
LIFTING HEIGHT m
0
10
20
30
40
50
60
70
80
90
100
Working radius/m

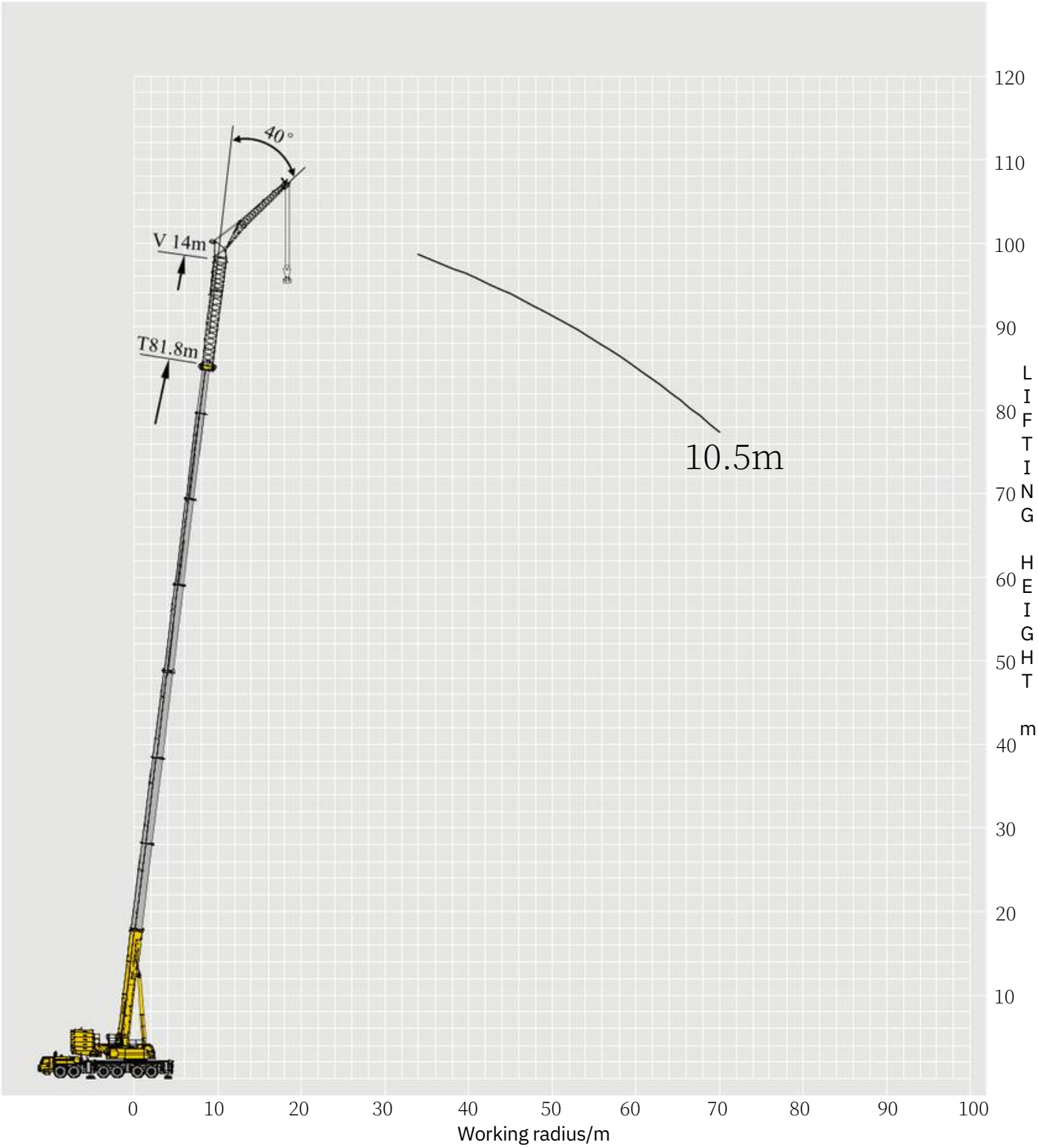
m	46.2-81.8m ٤٦.٢+١٠m	10.159m.2m ٥١.٣+١٠m	40° ٥٦.٤+١٠m	9.216m×8.53m ٦١.٤+١٠m	360° 100t ٦٦.٥+١٠m	10m V ٧١.٦+١٠m	٧٦.٧+١٠m	٨١.٨+١٠m	m
18	9.7								18
20	9.5	9.5							20
22	9.2	9.3	9.2	9.2					22
24	9.0	9.1	9.0	9.0	9.0				24
26	8.9	9.0	8.8	8.8	9.0				26
28	8.7	8.8	8.7	8.7	8.9	8.6			28
30	8.5	8.7	8.6	8.6	8.8	8.4	7.7		30
32	8.3	8.6	8.5	8.5	8.7	8.3	7.6	6.8	32
34	8.1	8.5	8.4	8.4	8.5	8.2	7.5	6.8	34
36	8.0	8.4	8.3	8.3	8.4	8.0	7.4	6.8	36
38	7.8	8.2	8.1	8.1	8.2	7.9	7.2	6.6	38
40	7.8	8.1	7.9	8.1	8.1	7.7	6.7	6.1	40
42	7.7	8.0	7.8	7.9	7.9	7.2	6.2	5.7	42
44	7.6	7.8	7.7	7.8	7.6	6.7	6.1	5.5	44
46	7.5	7.6	7.6	7.7	7.1	6.3	5.6	5.1	46
48	7.4	7.4	7.4	7.5	6.7	5.9	5.3	4.8	48
50	7.2	7.2	7.3	7.3	6.3	5.3	4.8	4.5	50
52	6.8	7.0	7.2	7.0	5.9	5.0	4.5	4.0	52
54	6.7	6.8	6.9	6.5	5.5	4.8	4.2	3.8	54
56		6.7	6.8	6.1	5.0	4.2	3.7	3.5	56
58		6.6	6.6	5.7	4.7	4.0	3.5	3.3	58
60			6.1	5.4	4.4	3.7	3.3	3.1	60
62			5.8	4.9	4.1	3.5	3.0	2.7	62
64				4.3	3.8	3.2	2.7	2.5	64
66				4.1	3.4	2.9	2.6	2.2	66
68					3.2	2.6	2.3	2.0	68
70					2.8	2.3	2.0		70
72						2.1	1.9		72
74							1.6		74
76							1.4		76
Code									Code
	1111110	1111111	2111111	2211111	2221111	2222111	2222211	2222221	
Parts of line	1	1	1	1	1	1	1	1	Parts of line
Hook block	13.5t	13.5t	13.5t	13.5t	13.5t	13.5t	13.5t	13.5t	Hook block


V 14m
T81.8m
10.5m
120
110
100
90
80
70
60
50
40
30
20
10
LIFTING HEIGHT m
0
10
20
30
40
50
60
70
80
90
100
Working radius/m

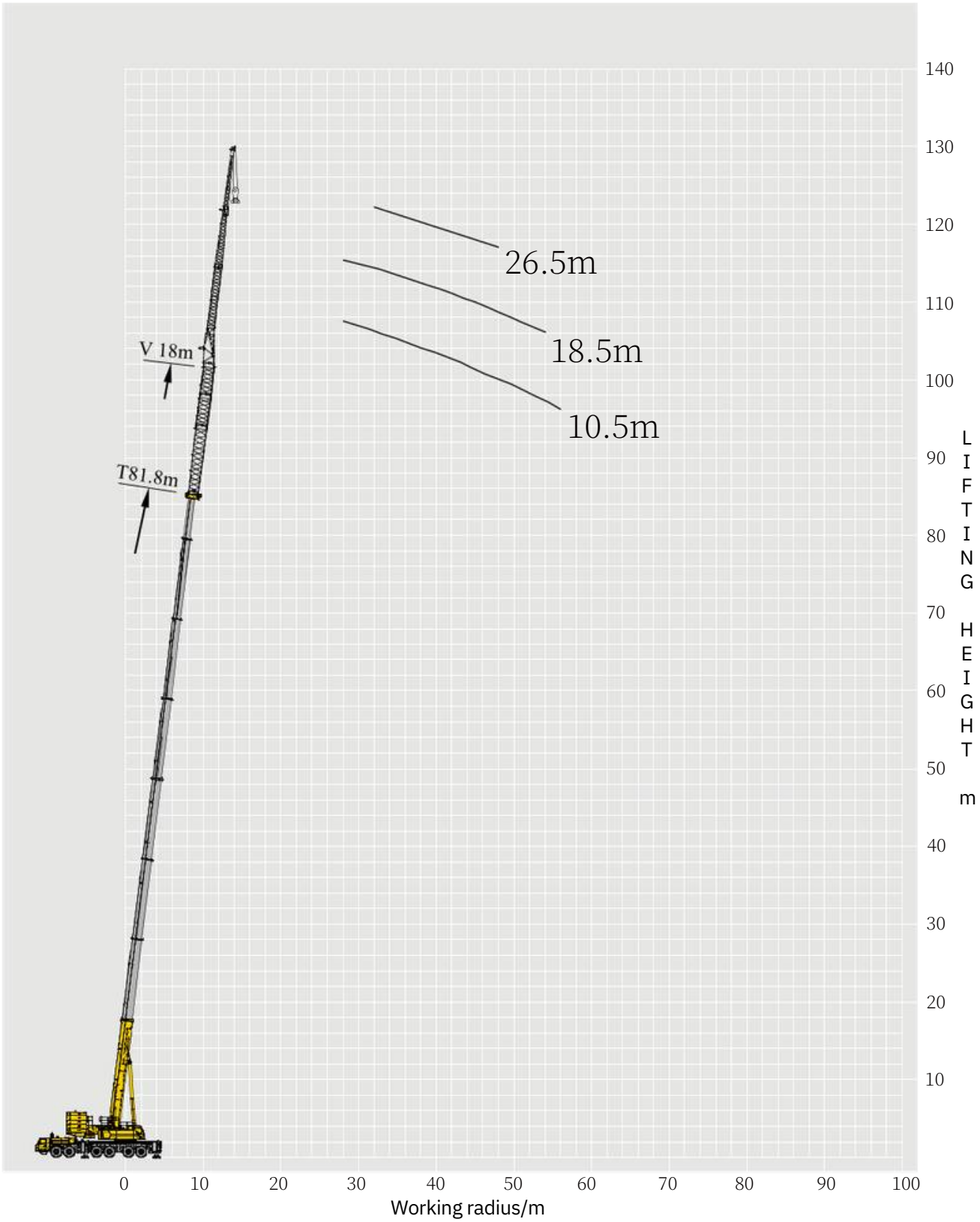
m	46.2-81.8m T ٤٦.٢+١٤m	10.159m.2m ٥١.٣+١٤m	0° ٥٦.٤+١٤m	9.216m×8.53m ٦١.٤+١٤m	360° ٦٦.٥+١٤m	100t 14m V ٧١.٦+١٤m	٧٦.٧+١٤m	٨١.٨+١٤m	m
14	15.2								14
16	14.3	13.9							16
18	13.8	13.2	12.9						18
20	12.9	12.8	12.2	11.3					20
22	12.5	11.9	11.5	10.9	10.2				22
24	11.8	11.3	11.2	10.7	9.9	9.1			24
26	11.2	10.7	10.5	10.3	9.7	8.9	7.9		26
28	10.7	10.2	10.1	9.9	9.4	8.7	7.7		28
30	10.2	9.7	9.9	9.7	9.2	8.5	7.6	6.3	30
32	9.6	9.4	9.5	9.3	8.9	8.3	7.5	6.2	32
34	9.1	9.1	9.0	8.9	8.6	8.1	7.4	6.2	34
36	8.9	8.7	8.8	8.7	8.4	8.0	7.3	6.1	36
38	8.4	8.4	8.4	8.3	8.2	7.7	6.9	6.1	38
40	8.2	8.0	8.2	8.0	8.0	7.1	6.2	5.8	40
42	7.7	7.8	7.9	7.8	7.5	6.6	5.7	5.3	42
44	7.5	7.5	7.6	7.6	6.9	6.1	5.2	4.8	44
46	7.2	7.2	7.4	7.4	6.3	5.6	4.9	4.4	46
48	7.0	6.9	7.1	7.1	5.8	5.0	4.3	4.1	48
50	6.7	6.7	6.9	6.6	5.2	4.5	3.9	3.7	50
52	6.5	6.4	6.6	6.2	5.0	4.2	3.7	3.3	52
54	6.2	6.2	6.4	5.6	4.4	3.7	3.3	2.9	54
56	6.0	6.0	6.3	5.2	4.2	3.5	3.0	2.7	56
58	5.8	6.0	6.1	5.0	3.9	3.2	2.6	2.4	58
60	5.6	5.8	5.8	4.5	3.6	2.8	2.3	2.2	60
62	5.2	5.5	5.4	4.2	3.2	2.5	2.1		62
64	5.0	5.2	4.9	3.9	2.8	2.2	1.8		64
66	4.9	5.0	4.6	3.6	2.6	2.1			66
68		4.9	4.4	3.4	2.4	1.8			68
70		4.8	4.0	3.0	2.1				70
72			3.7	2.6	1.9				72
74			3.5	2.4	1.7				74
76			3.1	2.0	1.4				76
78				1.9					78
80				1.7					80
Code									Code
Parts of line	11111102	11111112	21111111	22111111	22211111	22221111	22222111	22222211	Parts of line
Hook block	40t	40t	13.5t	13.5t	13.5t	13.5t	13.5t	13.5t	Hook block


20°
V 14m
T81.8m
10.5m
120
110
100
90
80
70
60
50
40
30
20
10
LIFTING HEIGHT m
0
10
20
30
40
50
60
70
80
90
100
Working radius/m

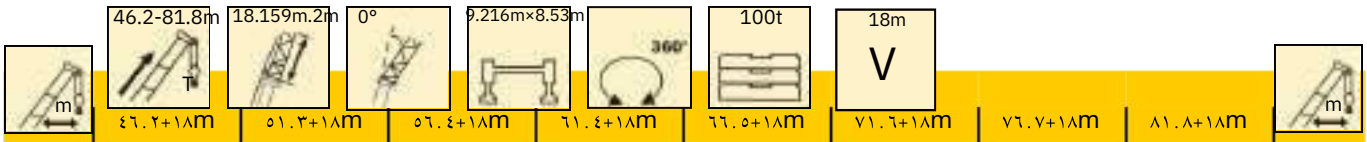
m	46.2-81.8m T ٤٦.٢+١٤m	10.159m.2m ٥١.٣+١٤m	20 ٥٦.٤+١٤m	9.216m×8.53m ٦١.٤+١٤m	360° 100t ٦٦.٥+١٤m	14m V ٧١.٦+١٤m	٧٦.٧+١٤m	٨١.٨+١٤m	m
16	12.7								16
18	11.9	11.1							18
20	11.2	10.7	10.5						20
22	10.7	10.2	10.0	9.7					22
24	10.5	9.8	9.6	9.3	8.8				24
26	10.2	9.7	9.5	9.1	8.6				26
28	9.7	9.2	9.3	9.0	8.5	7.8			28
30	9.3	8.9	8.9	8.7	8.4	7.6	6.9		30
32	8.8	8.5	8.7	8.5	8.2	7.4	6.8	6.1	32
34	8.4	8.2	8.2	8.2	7.9	7.3	6.7	6.0	34
36	8.1	8.0	8.0	7.9	7.7	7.2	6.6	5.9	36
38	7.8	7.8	7.7	7.7	7.4	7.1	6.4	5.8	38
40	7.4	7.5	7.5	7.5	7.2	7.0	6.3	5.6	40
42	7.2	7.3	7.3	7.2	7.1	6.6	5.9	5.1	42
44	6.9	7.0	7.0	7.0	6.9	6.0	5.5	4.7	44
46	6.7	6.8	6.8	6.8	6.6	5.8	5.1	4.4	46
48	6.5	6.6	6.6	6.7	6.2	5.3	4.7	4.1	48
50	6.3	6.3	6.5	6.6	5.6	4.8	4.3	3.9	50
52	6.1	6.1	6.3	6.4	5.0	4.4	3.9	3.4	52
54				5.8	4.8	4.0	3.5	3.1	54
56	5.9	5.9	6.1	5.5	4.5	3.7	3.3	3.0	56
58	5.8	5.9	6.1	5.2	4.0	3.3	2.9	2.6	58
60	5.6	5.6	5.8	4.7	3.7	3.0	2.6	2.4	60
62	5.5	5.6	5.6	4.4	3.5	2.8	2.3	2.1	62
64	5.1	5.4	5.4	4.1	3.1	2.5	2.1	1.9	64
66	5.0	5.3	5.0	3.8	2.8	2.3	1.8		66
68		4.9	4.8	3.6	2.6	2.0	1.6		68
70		4.8	4.5	3.3	2.3	1.7			70
72		4.8	4.1	3.0	2.2	1.6			72
74			3.7	2.5	1.8				74
76			3.4	2.3	1.6				76
78			3.1	1.9	1.4				78
80				1.6					80
82				1.4					82
Code				2211111					Code
	1111110	1111111	2111111		2221111	2222111	2222211	2222221	
Parts of line	1	1	1	1	1	1	1	1	Parts of line
Hook block	13.5t	13.5t	13.5t	13.5t	13.5t	13.5t	13.5t	13.5t	Hook block


40°
V 14m
T81.8m
10.5m
120
110
100
90
80
70
60
50
40
30
20
10
LIFTING HEIGHT m
0
10
20
30
40
50
60
70
80
90
100
Working radius/m

m	46.2-81.8m T ٤٦.٢+١٤m	10.159m.2m ٥١.٣+١٤m	40 ٥٦.٤+١٤m	9.216m×8.53m ٦١.٤+١٤m	360° 100t ٦٦.٥+١٤m	14m V ٧١.٦+١٤m	٧٦.٧+١٤m	٨١.٨+١٤m	m
18	9.5								18
20	9.3	9.2							20
22	9.1	8.9	9.0						22
24	9.0	8.8	8.8	8.5					24
26	8.7	8.7	8.7	8.3	8.0				26
28	8.5	8.5	8.5	8.1	7.8	7.3			28
30	8.4	8.4	8.4	7.9	7.6	7.2	6.6		30
32	8.3	8.1	8.1	7.7	7.5	7.1	6.5		32
34	8.0	7.9	7.8	7.6	7.4	7.0	6.5	5.9	34
36	7.7	7.7	7.6	7.5	7.2	6.9	6.4	5.8	36
38	7.4	7.4	7.3	7.3	7.1	6.8	6.3	5.7	38
40	7.2	7.2	7.1	7.0	6.9	6.6	6.2	5.6	40
42	7.0	6.9	6.9	6.8	6.8	6.5	6.1	5.4	42
44	6.7	6.7	6.8	6.7	6.7	6.3	5.7	5.2	44
46	6.5	6.4	6.6	6.5	6.6	5.9	5.3	4.9	46
48	6.3	6.4	6.4	6.5	6.2	5.4	4.9	4.4	48
50	5.8	6.2	6.2	6.3	5.9	5.1	4.5	4.1	50
52	5.7	5.9	6.1	6.1	5.4	4.6	4.2	3.8	52
54	5.5	5.6	6.0	5.9	5.1	4.4	3.8	3.6	54
56	5.5	5.5	5.6	5.7	4.6	4.1	3.4	3.2	56
58		5.3	5.5	5.4	4.3	3.7	3.2	3.0	58
60		5.2	5.3	5.1	4.1	3.3	3.0	2.6	60
62			5.2	4.6	3.8	3.1	2.6	2.4	62
64			5.2	4.1	3.5	2.9	2.4	2.2	64
66				3.8	3.1	2.5	2.1	1.9	66
68				3.7	2.9	2.3	2.0	1.8	68
70					2.5	2.0	1.7	1.6	70
72					2.3	1.9	1.4		72
74						1.6			74
76						1.4			76
Code						2222111			Code
	1111110	1111111	2111111	2211111	2221111		2222211	2222221	
Parts of line	1	1	1	1	1	1	1	1	Parts of line
Hook block	13.5t	13.5t	13.5t	13.5t	13.5t	13.5t	13.5t	13.5t	Hook block

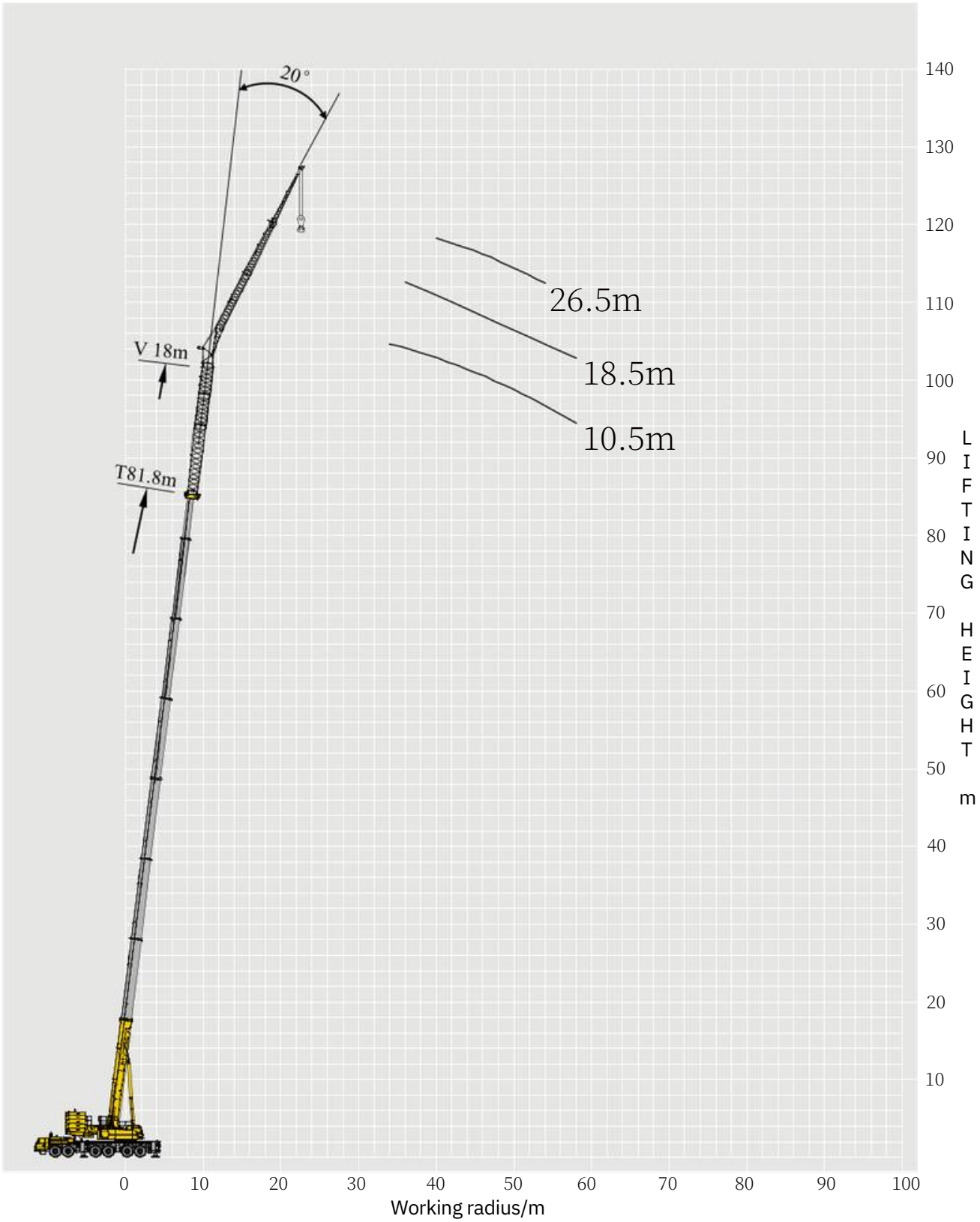

26.5m
18.5m
10.5m
V 18m
T81.8m
140
130
120
110
100
90
80
70
60
50
40
30
20
10
LIFTING HEIGHT m
0
10
20
30
40
50
60
70
80
90
100
Working radius/m

m	46.2-81.8m T ٤٦.٢+١٨m	26.159m.2m ٥١.٣+١٨m	0° ٥٦.٤+١٨m	9.216m×8.53m ٦١.٤+١٨m	360° ٦٦.٥+١٨m	100t ٧١.٦+١٨m	18m V ٧٦.٧+١٨m	٨١.٨+١٨m	m
16	7.5								16
18	7.2	6.4							18
20	6.8	6.2	6.1						20
22	6.5	6.1	6.0	5.7					22
24	6.3	5.9	5.8	5.5	5.0				24
26	6.0	5.7	5.6	5.4	5.0	4.7			26
28	5.7	5.5	5.4	5.2	4.9	4.5			28
30	5.4	5.3	5.2	5.1	4.8	4.4	3.9		30
32	5.1	5.0	5.0	4.9	4.7	4.3	3.9	3.3	32
34	4.7	4.9	4.9	4.7	4.5	4.2	3.8	3.3	34
36	4.4	4.7	4.7	4.6	4.4	4.1	3.7	3.2	36
38	4.2	4.5	4.6	4.4	4.3	4.0	3.6	3.1	38
40	4.0	4.2	4.5	4.3	4.2	3.9	3.6	3.1	40
42	3.8	4.1	4.3	4.2	4.1	3.8	3.5	3.0	42
44	3.7	3.9	4.1	4.1	3.9	3.7	3.4	3.0	44
46	3.5	3.8	4.0	4.0	3.8	3.6	3.3	2.9	46
48	3.3	3.6	3.8	3.9	3.7	3.6	3.2	2.8	48
50	3.2	3.4	3.6	3.8	3.6	3.5	3.2	2.8	50
52	3.0	3.3	3.5	3.6	3.5	3.4	3.0		52
54	2.9	3.2	3.4	3.5	3.4	3.2	2.6		54
56	2.8	3.1	3.3	3.4	3.3	2.9			56
58	2.7	2.9	3.1	3.3	3.2	2.5			58
60	2.6	2.8	2.9	3.2	3.1	2.3			60
62	2.4	2.7	2.9	3.0	2.8	2.0			62
64	2.4	2.6	2.7	3.0	2.6				64
66	2.3	2.5	2.7	2.9	2.2				66
68	2.2	2.5	2.7	2.8	2.0				68
70	2.2	2.3	2.5	2.6	1.7				70
72	2.1	2.3	2.5	2.4					72
74	2.1	2.3	2.4	2.1					74
76	1.9	2.2	2.4	2.0					76
78	1.9	2.0	2.3	1.7					78
80	1.8	1.9	2.2	1.6					80
82	1.8	1.9	2.1						82
84	1.8	1.9	2.0						84
86		1.8	2.0						86
88		1.8	2.0						88
90		1.8	1.7						90
92			1.5						92
94			1.4						94
Code			2111111						Code
	1111110	1111111		2211111	2221111	2222111	2222211	2222221	
Parts of line	1	1	1	1	1	1	1	1	Parts of line
Hook block	13.5t	13.5t	13.5t	13.5t	13.5t	13.5t	13.5t	13.5t	Hook block

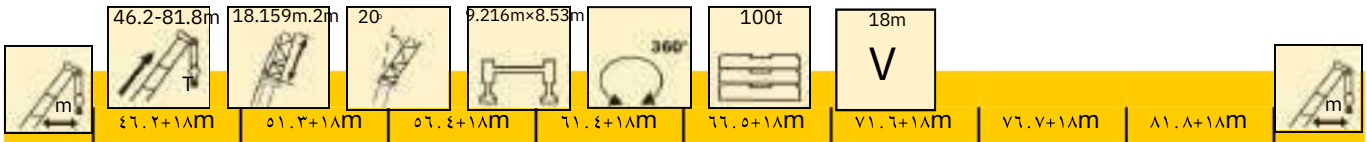


m	٤٦.٢+١٨m	٥١.٣+١٨m	٥٦.٤+١٨m	٦١.٤+١٨m	٦٦.٥+١٨m	٧١.٦+١٨m	٧٦.٧+١٨m	٨١.٨+١٨m	m
16	9.5	8.7							16
18	9.1	8.3	8.1						18
20	8.6	8.0	7.8	7.3					20
22	8.2	7.7	7.5	7.2	6.7				22
24	7.9	7.5	7.2	7.0	6.6	5.9			24
26	7.5	7.3	7.1	6.8	6.4	5.8	4.6		26
28	7.1	7.0	6.8	6.6	6.3	5.7	4.6	4.4	28
30	6.7	6.6	6.5	6.4	6.1	5.7	4.6	4.3	30
32	6.2	6.3	6.3	6.1	5.9	5.5	4.6	4.3	32
34	5.8	6.0	6.0	5.9	5.8	5.4	4.6	4.2	34
36	5.6	5.7	5.8	5.8	5.6	5.3	4.6	4.2	36
38	5.2	5.4	5.6	5.6	5.4	5.1	4.6	4.1	38
40	4.9	5.2	5.4	5.4	5.2	5.0	4.6	4.1	40
42	4.7	4.9	5.2	5.3	5.1	4.9	4.5	4.0	42
44	4.4	4.7	5.0	5.2	5.0	4.8	4.4	3.9	44
46	4.3	4.5	4.7	5.0	4.8	4.6	4.2	3.7	46
48	4.1	4.3	4.5	4.8	4.7	4.3	3.9	3.5	48
50	3.9	4.2	4.3	4.6	4.5	4.1	3.6	3.1	50
52	3.8	4.0	4.2	4.4	4.4	3.8	3.1	2.9	52
54	3.7	3.8	4.0	4.3	4.3	3.5	2.9	2.5	54
56	3.6	3.7	3.9	4.2	3.8	3.1	2.5		56
58	3.3	3.6	3.8	4.1	3.5	2.9	2.4		58
60	3.2	3.5	3.7	3.9	3.2	2.4			60
62	3.1	3.4	3.6	3.8	2.8	2.2			62
64	3.0	3.3	3.4	3.5	2.6	1.9			64
66	2.9	3.1	3.3	3.3	2.4				66
68	2.9	3.0	3.2	3.0	2.0				68
70	2.8	2.9	3.2	2.8	1.8				70
72	2.6	2.9	3.0	2.5	1.7				72
74	2.5	2.8	3.0	2.4					74
76	2.4	2.5	3.0	2.1					76
78	2.4	2.5	2.8	1.8					78
80		2.5	2.6	1.7					80
82		2.4	2.4	1.5					82
84			2.1	1.3					84
86			2.0						86
Code			2111111						Code
	1111110	1111111		2211111	2221111	2222111	2222211	2222221	
Parts of line	1	1	1	1	1	1	1	1	Parts of line
Hook block	13.5t	13.5t	13.5t	13.5t	13.5t	13.5t	13.5t	13.5t	Hook block

m	46.2-81.8m T ٤٦.٢+١٨m	10.159m.2m ٥١.٣+١٨m	0° ٥٦.٤+١٨m	9.216m×8.53m ٦١.٤+١٨m	360° 100t ٦٦.٥+١٨m	18m V ٧١.٦+١٨m	٧٦.٧+١٨m	٨١.٨+١٨m	m
14	13.5								14
16	12.6	11.3							16
18	11.8	10.8	10.5						18
20	11.2	10.4	10.1	9.5					20
22	10.7	9.9	9.7	9.2	8.6				22
24	10.2	9.5	9.3	8.9	8.4	7.7			24
26	9.5	9.1	9.0	8.6	8.2	7.4	6.3		26
28	9.1	8.7	8.6	8.4	8.0	7.3	6.3	5.8	28
30	8.6	8.3	8.3	8.0	7.8	7.2	6.3	5.7	30
32	8.2	8.0	8.0	7.8	7.5	7.0	6.2	5.6	32
34	7.9	7.6	7.7	7.6	7.2	6.8	6.2	5.5	34
36	7.5	7.4	7.5	7.3	7.0	6.6	6.1	5.4	36
38	7.2	7.1	7.2	7.1	6.8	6.5	5.9	5.4	38
40	7.0	6.8	7.0	6.8	6.6	6.3	5.7	5.1	40
42	6.5	6.6	6.7	6.6	6.4	6.0	5.4	4.8	42
44	6.3	6.3	6.5	6.4	6.2	5.5	5.0	4.5	44
46	6.0	6.1	6.3	6.2	5.9	5.1	4.4	4.0	46
48	5.8	5.9	6.0	6.0	5.5	4.7	4.1	3.8	48
50	5.5	5.6	5.8	5.8	5.1	4.1	3.6	3.2	50
52	5.4	5.4	5.6	5.6	4.7	3.8	3.4	3.1	52
54	5.2	5.3	5.4	5.3	4.3	3.6	2.9	2.6	54
56	5.0	5.1	5.2	5.0	3.9	3.1	2.7	2.3	56
58	4.8	4.9	5.1	4.5	3.5	2.9	2.3		58
60	4.7	4.8	4.9	4.3	3.3	2.4	2.0		60
62	4.5	4.6	4.8	4.0	2.9	2.1			62
64	4.2	4.5	4.6	3.6	2.6	1.9			64
66	4.1	4.4	4.5	3.4	2.3				66
68	4.0	4.1	4.2	3.0	2.1				68
70	3.9	4.0	3.8	2.8	1.7				70
72		3.8	3.4	2.6	1.6				72
74		3.8	3.2	2.3					74
76			2.8	2.1					76
78			2.6	1.8					78
80			2.4	1.6					80
82				1.3					82
Code				2211111					Code
	1111110	1111111	2111111		2221111	2222111	2222211	2222221	
Parts of line	2	1	1	1	1	1	1	1	Parts of line
Hook block	40t	13.5t	13.5t	13.5t	13.5t	13.5t	13.5t	13.5t	Hook block

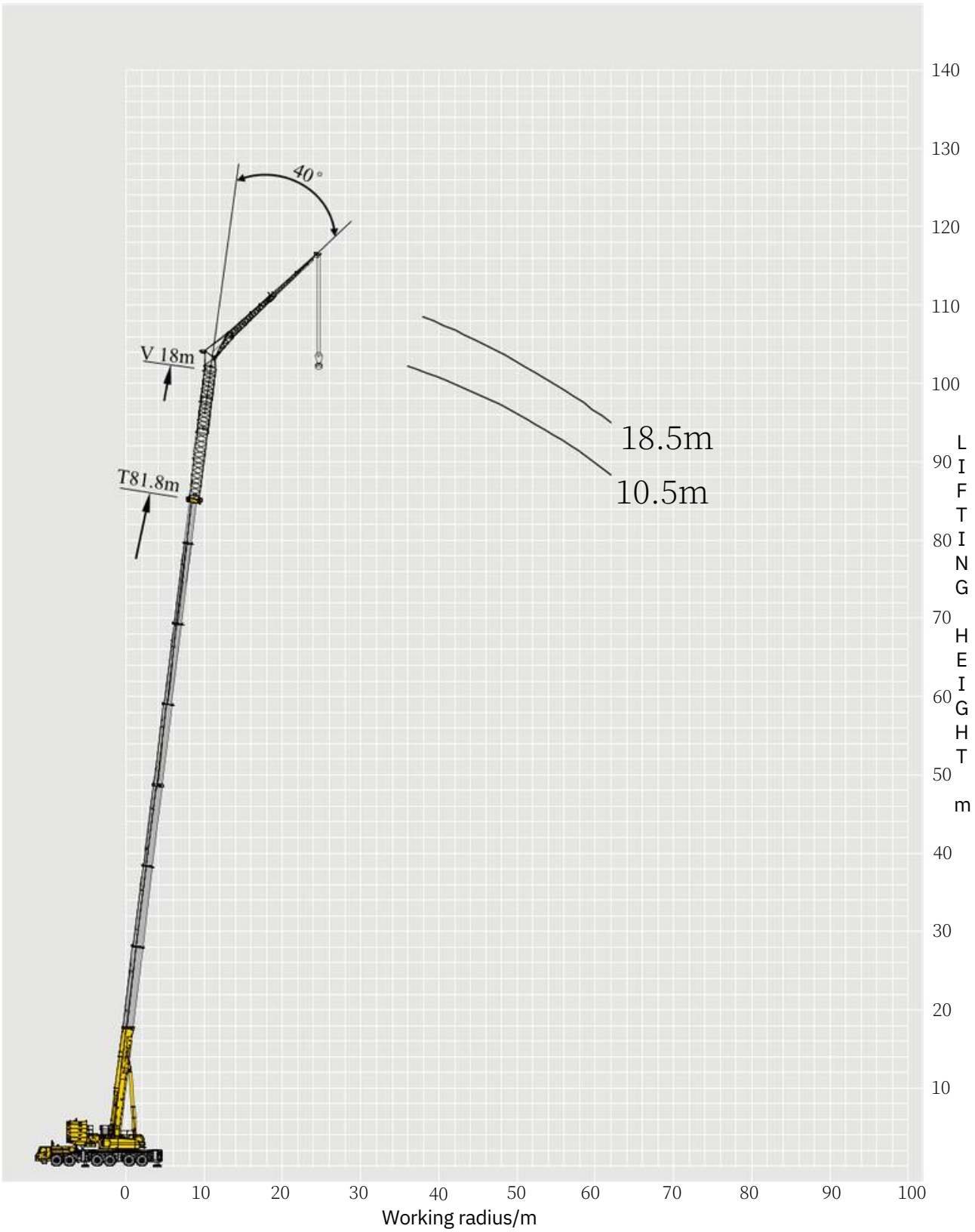

20°
V 18m
T81.8m
26.5m
18.5m
10.5m
140
130
120
110
100
90
80
70
60
50
40
30
20
10
LIFTING HEIGHT m
0
10
20
30
40
50
60
70
80
90
100
Working radius/m

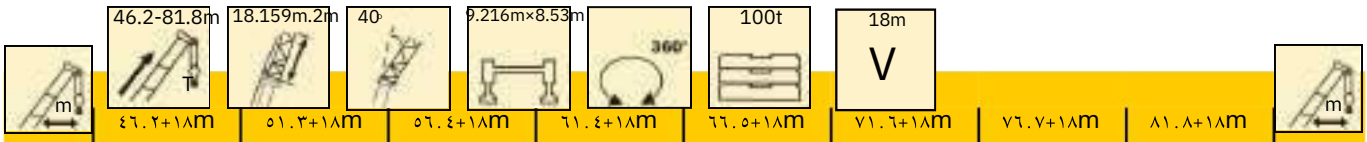
m	46.2-81.8m ٤٦.٢+١٨m	26.159m.2m ٥١.٣+١٨m	20 ٥٦.٤+١٨m	9.216m×8.53m ٦١.٤+١٨m	360° ٦٦.٥+١٨m	100t ٧١.٦+١٨m	18m V ٧٦.٧+١٨m	٨١.٨+١٨m	m
24	3.5								24
26	3.4	3.4							26
28	3.2	3.2	3.2						28
30	3.1	3.1	3.1	3.1					30
32	3.0	3.0	3.0	3.0	3.1				32
34	2.8	2.9	2.9	3.0	3.0				34
36	2.7	2.7	2.8	2.9	3.0	3.0			36
38	2.6	2.7	2.8	2.8	2.9	2.9	2.9		38
40	2.5	2.6	2.6	2.7	2.9	2.8	2.7	2.9	40
42	2.5	2.5	2.6	2.6	2.7	2.8	2.7	2.8	42
44	2.4	2.4	2.5	2.6	2.7	2.7	2.7	2.7	44
46	2.4	2.3	2.5	2.5	2.6	2.6	2.7	2.6	46
48	2.3	2.3	2.3	2.5	2.5	2.6	2.5	2.6	48
50	2.3	2.3	2.3	2.3	2.5	2.5	2.5	2.6	50
52	2.3	2.2	2.2	2.3	2.3	2.5	2.5	2.5	52
54	2.2	2.1	2.2	2.3	2.3	2.5	2.4	2.5	54
56	2.2	2.1	2.2	2.2	2.3	2.4	2.4	2.4	56
58	2.0	2.1	2.2	2.2	2.3	2.3	2.4		58
60	2.0	2.0	2.1	2.2	2.2	2.3	2.4		60
62	2.0	1.9	2.0	2.1	2.2	2.3			62
64	1.9	1.9	2.0	2.1	2.2	2.2			64
66	1.9	1.9	2.0	2.1	2.2	2.1			66
68	1.9	1.8	2.0	2.0	2.1				68
70	1.8	1.8	1.9	1.9	2.0				70
72	1.7	1.8	1.9	1.9	1.9				72
74	1.7	1.8	1.8	1.9	1.7				74
76	1.7	1.7	1.8	1.9					76
78	1.7	1.6	1.8	1.9					78
80	1.6	1.6	1.8	1.8					80
82	1.6	1.6	1.8	1.6					82
84	1.6	1.6	1.7	1.5					84
86		1.6	1.7						86
88		1.6	1.7						88
90		1.6	1.6						90
92			1.5						92
94			1.3						94
96			1.2						96
Code			2111111						Code
	1111110	1111111		2211111	2221111	2222111	2222211	2222221	
Parts of line	1	1	1	1	1	1	1	1	Parts of line
Hook block	13.5t	13.5t	13.5t	13.5t	13.5t	13.5t	13.5t	13.5t	Hook block



m	٤٦.٢+١٨m	٥١.٣+١٨m	٥٦.٤+١٨m	٦١.٤+١٨m	٦٦.٥+١٨m	٧١.٦+١٨m	٧٦.٧+١٨m	٨١.٨+١٨m	m
20	4.5								20
22	4.3	4.3							22
24	4.1	4.2	4.3						24
26	4.0	4.0	4.0	4.1					26
28	3.9	3.9	4.0	4.0	4.0				28
30	3.8	3.8	3.9	4.0	4.0				30
32	3.7	3.7	3.8	3.9	3.9	3.8			32
34	3.6	3.6	3.7	3.8	3.8	3.7	3.8		34
36	3.5	3.5	3.5	3.7	3.7	3.7	3.7	3.7	36
38	3.4	3.4	3.4	3.6	3.6	3.6	3.6	3.7	38
40	3.3	3.2	3.3	3.5	3.5	3.5	3.6	3.6	40
42	3.2	3.2	3.3	3.4	3.5	3.5	3.5	3.6	42
44	3.1	3.1	3.2	3.3	3.4	3.4	3.5	3.6	44
46	3.0	3.0	3.1	3.2	3.3	3.3	3.5	3.6	46
48	2.9	2.9	3.0	3.1	3.2	3.3	3.5	3.6	48
50	2.9	2.8	2.9	3.0	3.1	3.2	3.5	3.5	50
52	2.8	2.8	2.9	3.0	3.1	3.2	3.5	3.2	52
54	2.8	2.8	2.8	2.9	3.0	3.1	3.3	2.8	54
56	2.7	2.6	2.8	2.9	3.0	3.1	3.0	2.6	56
58	2.7	2.6	2.8	2.8	3.0	3.1	2.6	2.4	58
60	2.6	2.6	2.7	2.7	3.0	2.8	2.4		60
62	2.5	2.4	2.7	2.7	2.9	2.5	2.1		62
64	2.5	2.4	2.7	2.7	2.8	2.2			64
66	2.3	2.4	2.6	2.6	2.7	2.0			66
68	2.3	2.4	2.6	2.5	2.4	1.8			68
70	2.3	2.4	2.6	2.5	2.1				70
72	2.3	2.4	2.6	2.5	1.9				72
74	2.3	2.2	2.4	2.5	1.7				74
76	2.3	2.1	2.4	2.3	1.4				76
78		2.1	2.4	2.1					78
80		2.1	2.4	1.8					80
82		2.1	2.4	1.7					82
84			2.1	1.5					84
86			1.9	1.4					86
88			1.8						88
Code			2111111						Code
	1111110	1111111		2211111	2221111	2222111	2222211	2222221	
Parts of line	1	1	1	1	1	1	1	1	Parts of line
Hook block	13.5t	13.5t	13.5t	13.5t	13.5t	13.5t	13.5t	13.5t	Hook block

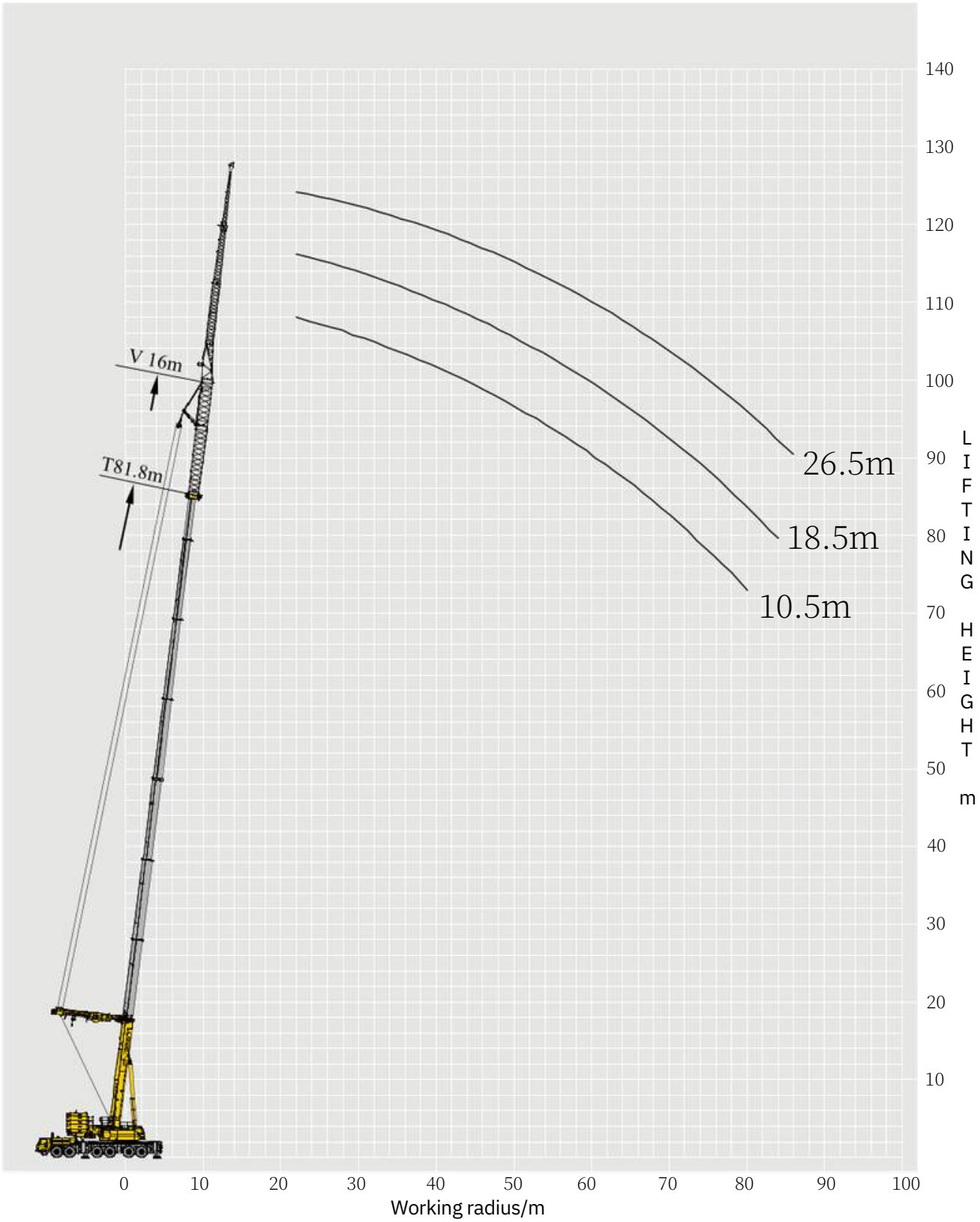
m	46.2-81.8m ٤٦.٢+١٨m	10.159m.2m ٥١.٣+١٨m	20 ٥٦.٤+١٨m	9.216m×8.53m ٦١.٤+١٨m	360° 100t ٦٦.٥+١٨m	18m V ٧١.٦+١٨m	٧٦.٧+١٨m	٨١.٨+١٨m	m
16	11.0								16
18	10.3	9.6							18
20	9.7	9.2	8.9						20
22	9.5	8.8	8.6	8.2					22
24	9.2	8.6	8.5	8.1					24
26	8.7	8.4	8.2	8.0	7.4				26
28	8.5	8.0	8.0	7.8	7.2	6.7			28
30	8.0	7.8	7.6	7.6	7.0	6.5	6.0		30
32	7.6	7.5	7.4	7.3	6.8	6.4	5.8		32
34	7.3	7.2	7.2	7.0	6.6	6.3	5.7	5.3	34
36	7.1	7.0	6.9	6.8	6.4	6.2	5.6	5.1	36
38	6.8	6.7	6.7	6.6	6.2	6.1	5.5	5.0	38
40	6.5	6.5	6.5	6.4	6.0	6.0	5.4	4.9	40
42	6.3	6.2	6.2	6.1	5.9	5.8	5.2	4.7	42
44	6.0	6.0	6.0	6.0	5.7	5.5	5.0	4.5	44
46	5.8	5.8	5.8	5.8	5.6	5.2	4.7	4.1	46
48	5.5	5.6	5.6	5.7	5.4	4.9	4.2	3.9	48
50	5.3	5.4	5.5	5.5	5.2	4.4	3.9	3.4	50
52	5.2	5.2	5.3	5.3	4.9	4.1	3.6	3.2	52
54	5.0	5.1	5.2	5.2	4.5	3.8	3.2	3.0	54
56	4.8	4.9	5.0	5.0	4.1	3.3	2.9	2.5	56
58	4.7	4.8	4.8	4.7	3.8	3.1	2.6	2.3	58
60	4.6	4.6	4.8	4.4	3.3	2.7	2.3		60
62	4.4	4.5	4.6	4.2	3.1	2.5	2.0		62
64	4.1	4.4	4.5	3.9	2.9	2.2			64
66	4.1	4.3	4.4	3.6	2.5	2.0			66
68	3.8	4.2	4.3	3.1	2.3	1.7			68
70	3.8	3.9	4.0	3.1	2.1				70
72		3.8	3.6	2.7	1.9				72
74		3.7	3.3	2.4	1.7				74
76			3.1	2.1	1.4				76
78			2.7	1.9					78
80			2.4	1.6					80
82				1.3					82
84				1.2					84
Code				2211111					Code
	1111110	1111111	2111111		2221111	2222111	2222211	2222221	
Parts of line	1	1	1	1	1	1	1	1	Parts of line
Hook block	13.5t	13.5t	13.5t	13.5t	13.5t	13.5t	13.5t	13.5t	Hook block


40°
V 18m
T81.8m
18.5m
10.5m
140
130
120
110
100
90
80
70
60
50
40
30
20
10
LIFTING HEIGHT m
0
10
20
30
40
50
60
70
80
90
100
Working radius/m



m	٤٦.٢+١٨m	٥١.٣+١٨m	٥٦.٤+١٨m	٦١.٤+١٨m	٦٦.٥+١٨m	٧١.٦+١٨m	٧٦.٧+١٨m	٨١.٨+١٨m	m
26	2.8								26
28	2.8	2.8	2.8						28
30	2.7	2.7	2.7	2.8					30
32	2.7	2.6	2.6	2.7	2.7				32
34	2.7	2.6	2.6	2.6	2.6	2.7			34
36	2.6	2.6	2.6	2.6	2.6	2.6	2.6		36
38	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	38
40	2.6	2.5	2.6	2.6	2.5	2.6	2.6	2.6	40
42	2.6	2.4	2.5	2.5	2.5	2.6	2.5	2.6	42
44	2.5	2.4	2.5	2.5	2.5	2.5	2.5	2.5	44
46	2.4	2.4	2.5	2.5	2.5	2.5	2.4	2.5	46
48	2.3	2.4	2.5	2.4	2.5	2.5	2.4	2.5	48
50	2.3	2.3	2.3	2.4	2.4	2.5	2.4	2.5	50
52	2.3	2.3	2.3	2.4	2.4	2.4	2.4	2.5	52
54	2.3	2.3	2.3	2.4	2.4	2.4	2.4	2.5	54
56	2.3	2.3	2.3	2.4	2.4	2.4	2.4	2.5	56
58	2.3	2.2	2.3	2.4	2.3	2.4	2.3	2.4	58
60	2.3	2.1	2.2	2.4	2.3	2.4	2.3	2.3	60
62	2.3	2.1	2.2	2.4	2.3	2.4	2.3	2.1	62
64	2.3	2.1	2.2	2.4	2.3	2.4	2.1		64
66	2.3	2.1	2.2	2.4	2.3	2.3	1.8		66
68		2.1	2.1	2.4	2.3	2.0			68
70		2.1	2.1	2.4	2.2	1.9			70
72		2.1	2.1	2.3	2.1	1.6			72
74			2.1	2.3	2.0				74
76			2.1	2.2	1.7				76
78				2.2	1.5				78
80				2.0	1.4				80
Code	1111110	1111111	2111111	2211111	2221111	2222111	2222211	2222221	Code
Parts of line	1	1	1	1	1	1	1	1	Parts of line
Hook block	13.5t	13.5t	13.5t	13.5t	13.5t	13.5t	13.5t	13.5t	Hook block

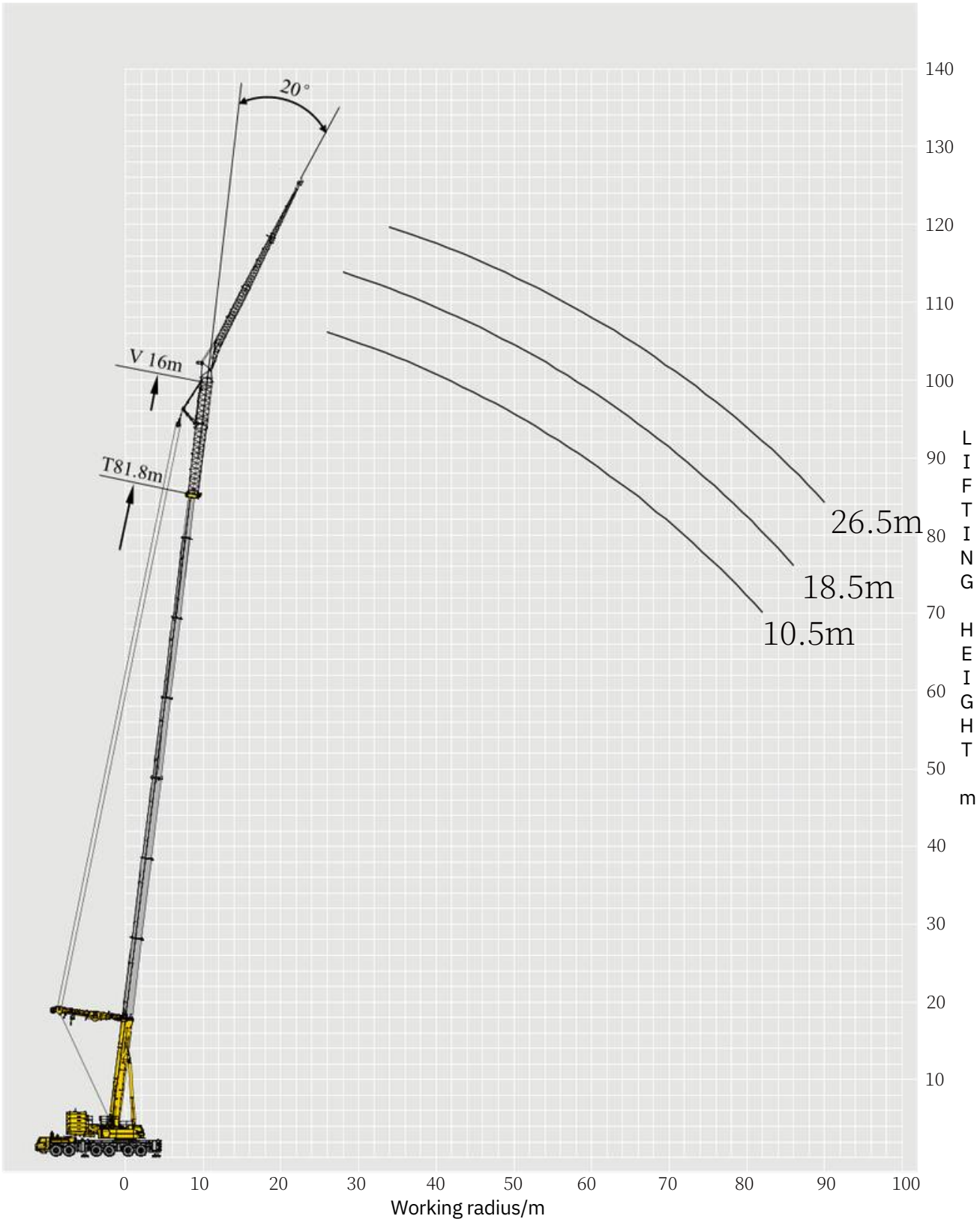
m	46.2-81.8m ٤٦.٢+١٨m	10.159m.2m ٥١.٣+١٨m	40° ٥٦.٤+١٨m	9.216m×8.53m ٦١.٤+١٨m	360° ٦٦.٥+١٨m	100t ٧١.٦+١٨m	18m V ٧٦.٧+١٨m	٨١.٨+١٨m	m
20	8.8								20
22	8.6	8.2							22
24	8.3	7.9	7.8						24
26	8.0	7.7	7.5	7.2					26
28	7.8	7.4	7.3	7.0	6.8				28
30	7.5	7.3	7.1	6.8	6.6	6.2			30
32	7.3	7.1	7.0	6.6	6.4	6.1			32
34	7.0	6.9	6.9	6.5	6.2	6.0	5.5		34
36	6.8	6.6	6.6	6.4	6.2	5.9	5.4	4.9	36
38	6.6	6.4	6.4	6.2	6.0	5.8	5.4	4.8	38
40	6.3	6.2	6.2	6.0	5.9	5.7	5.3	4.7	40
42	6.1	5.9	5.9	5.9	5.8	5.6	5.2	4.7	42
44	5.8	5.7	5.7	5.8	5.7	5.5	5.0	4.6	44
46	5.6	5.6	5.6	5.6	5.6	5.4	4.8	4.3	46
48	5.4	5.4	5.6	5.5	5.3	5.2	4.5	4.1	48
50	5.3	5.3	5.3	5.3	5.3	4.9	4.2	3.8	50
52	5.1	5.1	5.2	5.2	5.1	4.3	3.7	3.5	52
54	4.8	4.9	5.1	5.1	4.8	4.1	3.5	3.2	54
56	4.6	4.9	5.0	5.0	4.3	3.8	3.2	2.8	56
58	4.5	4.6	4.8	4.9	4.0	3.3	3.0	2.6	58
60	4.3	4.4	4.7	4.6	3.8	3.1	2.6	2.4	60
62		4.3	4.4	4.2	3.5	2.8	2.4	2.1	62
64		4.2	4.2	4.0	3.2	2.5	2.1		64
66			4.2	3.7	2.9	2.2	1.9		66
68			4.1	3.3	2.7	2.1	1.6		68
70				3.1	2.3	1.8			70
72				2.9	2.1	1.5			72
74					1.9				74
76					1.6				76
Code	1111110	1111111	2111111	2211111	2221111	2222111	2222211	2222221	Code
Parts of line	1	1	1	1	1	1	1	1	Parts of line
Hook block	13.5t	13.5t	13.5t	13.5t	13.5t	13.5t	13.5t	13.5t	Hook block


V 16m
T81.8m
26.5m
18.5m
10.5m
140
130
120
110
100
90
80
70
60
50
40
30
20
10
LIFTING HEIGHT m
0
10
20
30
40
50
60
70
80
90
100
Working radius/m

m	46.2-81.8m T ٤٦.٢+١٦m	26.159m.2m ٥١.٣+١٦m	0° SL ٥٦.٤+١٦m	9.216m×8.53m ٦١.٤+١٦m	100t 360° ٦٦.٥+١٦m	100t ٧١.٦+١٦m	16m V ٧٦.٧+١٦m	٨١.٨+١٦m	m
12	10.6								12
14	10.6	10.3	10.6						14
16	10.3	10.1	10.2	9.7	9.4				16
18	9.3	9.6	9.9	9.7	9.3				18
20	8.3	8.8	9.1	9.1	9.2	9.6	8.8		20
22	7.6	8.1	8.5	8.5	9.1	9.2	8.7	6.4	22
24	7.0	7.3	7.7	8.1	8.4	8.7	8.5	6.4	24
26	6.5	6.8	7.2	7.5	7.7	8.0	8.1	6.4	26
28	6.0	6.3	6.7	7.0	7.2	7.5	7.5	6.4	28
30	5.6	5.8	6.2	6.5	6.7	7.0	7.1	6.3	30
32	5.2	5.6	5.8	6.1	6.4	6.6	6.6	6.1	32
34	4.9	5.2	5.5	5.7	6.0	6.2	6.3	6.0	34
36	4.6	4.8	5.2	5.5	5.6	5.9	6.0	5.8	36
38	4.3	4.6	4.9	5.1	5.4	5.6	5.7	5.7	38
40	4.1	4.3	4.7	4.9	5.1	5.3	5.5	5.5	40
42	4.0	4.2	4.4	4.6	4.9	5.1	5.2	5.2	42
44	3.7	4.0	4.2	4.4	4.7	4.8	5.0	5.0	44
46	3.5	3.7	4.0	4.2	4.4	4.6	4.7	4.8	46
48	3.4	3.6	3.8	4.0	4.3	4.5	4.5	4.6	48
50	3.3	3.5	3.7	3.9	4.0	4.2	4.4	4.4	50
52	3.1	3.3	3.5	3.7	3.9	4.1	4.2	4.3	52
54	2.9	3.2	3.4	3.6	3.8	3.9	4.0	4.1	54
56	2.9	3.0	3.2	3.4	3.7	3.7	3.9	4.0	56
58	2.7	2.9	3.0	3.3	3.4	3.6	3.8	3.9	58
60	2.5	2.8	3.0	3.1	3.3	3.5	3.7	3.8	60
62	2.5	2.6	2.8	2.9	3.2	3.4	3.6	3.7	62
64	2.4	2.6	2.8	2.9	3.0	3.3	3.4	3.5	64
66	2.4	2.4	2.7	2.8	3.0	3.2	3.3	3.4	66
68	2.2	2.4	2.6	2.7	2.8	3.1	3.2	3.3	68
70	2.2	2.3	2.5	2.6	2.8	2.9	3.1	3.2	70
72	2.1	2.3	2.4	2.5	2.6	2.8	3.0	3.1	72
74	2.1	2.1	2.3	2.4	2.6	2.7	2.8	2.9	74
76	2.0	2.1	2.2	2.3	2.3	2.6	2.7	2.8	76
78	1.9	2.0	2.1	2.2	2.3	2.4	2.6	2.7	78
80	1.8	2.0	2.1	2.1	2.2	2.3	2.4	2.6	80
82	1.7	1.9	2.0	2.0	2.1	2.2	2.2	2.3	82
84		1.8	1.9	1.9	1.9	1.8	1.8	2.0	84
86		1.7	1.8	1.8	1.5	1.5	1.5	1.6	86
88		1.7	1.7	1.5					88
90			1.6						90
Code	1111110	1111111	2111111	2211111	2221111	2222111	2222211	2222221	Code
Parts of line	1	1	1	1	1	1	1	1	Parts of line
Hook block	13.5t	13.5t	13.5t	13.5t	13.5t	13.5t	13.5t	13.5t	Hook block

m	46.2-81.8m T ٤٦.٢+١٦m	18.159m.2m ٥١.٣+١٦m	0° ٥٦.٤+١٦m	9.216m×8.53m ٦١.٤+١٦m	100t 360° ٦٦.٥+١٦m	100t ٧١.٦+١٦m	16m V ٧٦.٧+١٦m	٨١.٨+١٦m	m
10	13.3								10
12	13.3	13.4	12.5						12
14	12.9	13.1	12.5	11.8					14
16	12.2	12.4	12.5	11.8	12.0				16
18	10.8	11.6	12.0	11.8	12.0	11.5			18
20	9.7	10.3	11.0	11.2	11.7	11.5	11.2		20
22	8.9	9.5	10.0	10.5	10.8	10.8	11.1	8.0	22
24	8.1	8.7	9.1	9.5	10.1	10.2	10.5	8.0	24
26	7.5	8.0	8.3	8.8	9.2	9.7	9.9	8.0	26
28	6.9	7.3	7.8	8.2	8.6	9.0	9.2	8.0	28
30	6.4	6.8	7.2	7.6	8.1	8.5	8.7	8.0	30
32	6.1	6.4	6.7	7.1	7.6	7.9	8.1	8.0	32
34	5.7	6.0	6.4	6.7	7.1	7.4	7.7	7.7	34
36	5.3	5.7	6.0	6.4	6.7	7.0	7.2	7.4	36
38	5.0	5.4	5.6	6.0	6.3	6.7	6.8	6.9	38
40	4.7	5.0	5.4	5.7	6.0	6.3	6.6	6.7	40
42	4.5	4.8	5.1	5.4	5.7	6.0	6.2	6.3	42
44	4.3	4.5	4.9	5.2	5.5	5.8	6.0	6.1	44
46	4.1	4.3	4.6	4.9	5.2	5.5	5.7	5.8	46
48	3.9	4.2	4.4	4.7	5.0	5.3	5.5	5.6	48
50	3.7	3.9	4.3	4.5	4.7	5.0	5.2	5.3	50
52	3.6	3.8	4.1	4.3	4.6	4.8	5.0	5.2	52
54	3.4	3.7	3.9	4.1	4.4	4.6	4.9	5.0	54
56	3.3	3.6	3.8	4.0	4.2	4.5	4.6	4.9	56
58	3.2	3.4	3.6	3.9	4.1	4.3	4.5	4.6	58
60	3.1	3.3	3.5	3.8	4.0	4.1	4.4	4.5	60
62	2.9	3.1	3.4	3.6	3.9	4.0	4.3	4.4	62
64	2.8	3.0	3.3	3.5	3.7	3.9	4.1	4.2	64
66	2.7	2.9	3.2	3.4	3.6	3.8	4.0	4.1	66
68	2.6	2.8	3.1	3.3	3.5	3.6	3.9	4.0	68
70	2.5	2.7	2.9	3.2	3.4	3.5	3.7	3.8	70
72	2.4	2.6	2.9	3.0	3.3	3.3	3.5	3.6	72
74	2.3	2.5	2.7	2.9	3.0	3.1	3.3	3.4	74
76	2.2	2.4	2.6	2.7	2.8	2.9	2.9	3.1	76
78		2.3	2.4	2.5	2.5	2.4	2.5	2.7	78
80		2.2	2.3	2.3	2.1	2.0	2.1	2.2	80
82			2.2	1.9	1.7	1.6	1.7	1.9	82
84			1.9	1.5				1.5	84
Code			2111111	2211111				2222221	Code
	1111110	1111111			2221111	2222111	2222211		
Parts of line	1	1	1	1	1	1	1	1	Parts of line
Hook block	13.5t	13.5t	13.5t	13.5t	13.5t	13.5t	13.5t	13.5t	Hook block

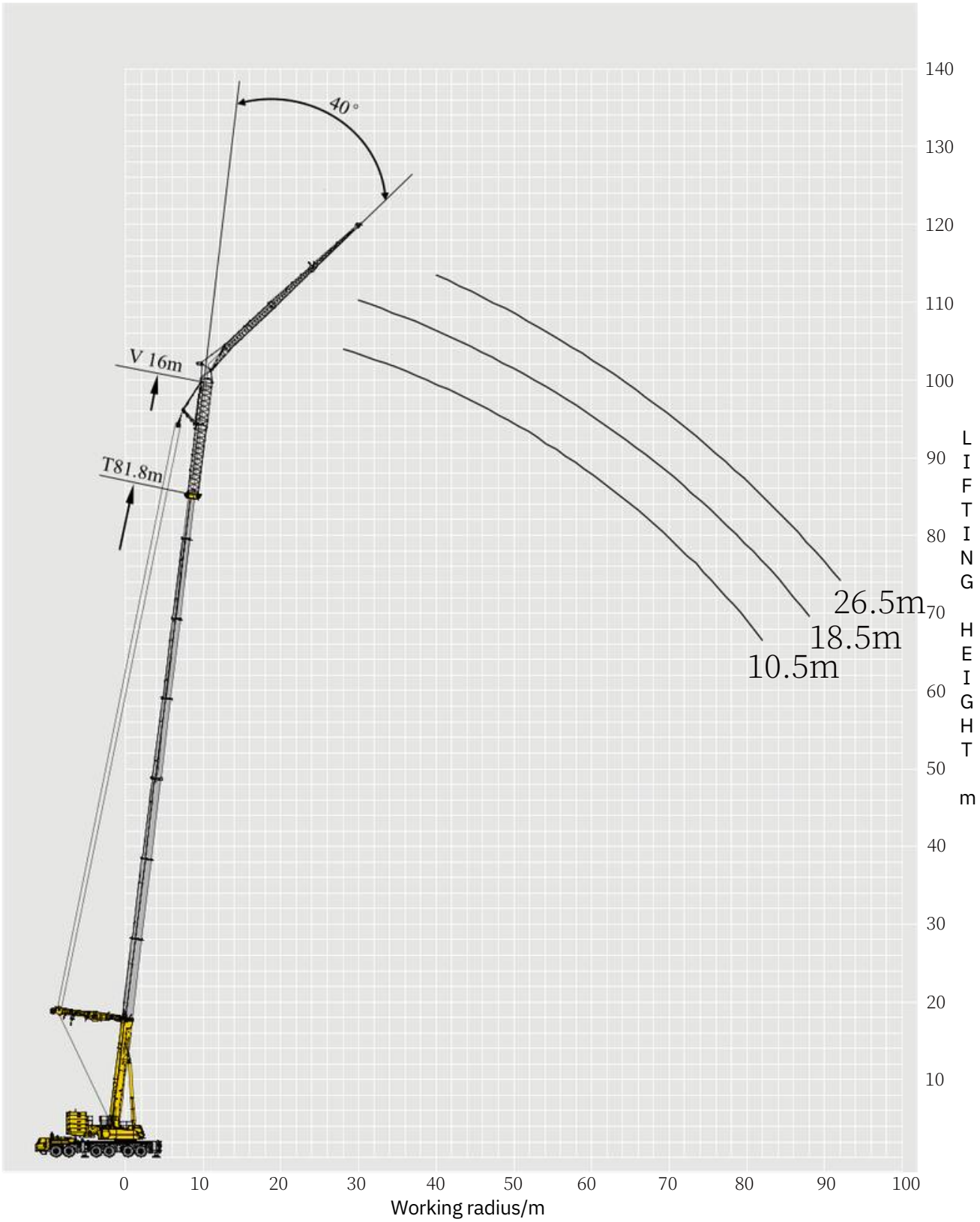
m	46.2-81.8m T ٤٦.٢+١٦m	10.159m.2m ٥١.٣+١٦m	0° ٥٦.٤+١٦m	9.216m×8.53m ٦١.٤+١٦m	100t 360° ٦٦.٥+١٦m	100t ٧١.٦+١٦m	16m V ٧٦.٧+١٦m	٨١.٨+١٦m	m
10	26.4	26.4							10
12	26.4	26.3	26.3						12
14	26.2	26	26	26.2	26.1				14
16	24.9	25.6	25.4	26.1	26				16
18	23	24	24.9	25.7	25.6	26.4			18
20	21.3	22.3	23.5	24.1	24.6	25.4	23.5		20
22	19.9	20.9	22.1	22.7	23.7	24.3	22.2	15.4	22
24	18.5	19.5	20.7	21.4	22.4	23	20.9	15.4	24
26	17.2	18.1	19.3	20.1	21	22.1	19.5	15.4	26
28	16.3	17.2	18.3	19.2	20	20.7	18.2	14.9	28
30	15.3	16.2	17.3	18.2	19.1	19.8	17.3	14.5	30
32	14.5	15.3	16.4	17.3	18.2	18.9	16.4	13.7	32
34	13.9	14.6	15.4	16.3	17.3	17.9	15.4	12.4	34
36	13.1	13.9	14.8	15.5	16.3	17	14.5	11.5	36
38	12.6	13.4	14	14.9	15.7	16	13.7	10.9	38
40	12.2	12.7	13.4	14.1	15.1	15.5	13.1	10.3	40
42	11.7	12.3	12.9	13.6	14.5	14.6	11.9	9.8	42
44	11.3	11.8	12.5	13.1	13.9	13.6	11	9.4	44
46	10.8	11.4	12.1	12.6	13.3	13.1	10.4	8.9	46
48	10.3	10.9	11.8	12.3	12.4	11.6	9.8	8.4	48
50	9.9	10.6	11	11.4	11.4	10.7	9.3	8.1	50
52	9.6	10.1	10.5	10.5	10.5	10.2	8.8	7.7	52
54	9.2	9.7	9.9	9.5	9.5	9.5	8.3	7.2	54
56	8.5	9.2						6.9	56
58	8.1	8.9	9	8.	8.6	8.6	7.9	6.4	58
60	7.5	8	8.2	6	7.6	7.6	7.4	6.1	60
62	6.8	7.2	7.4	7.	6.6	6.6	6.8	5.9	62
64	6.1	6.6	6.5	6	5.9	5.9	6	5.4	64
66	5.4	5.9	5.8	6.	5.2	5.2	5.4	5.1	66
68	3.4	5.3	5.2	8	4.6	4.6	4.8	4.5	68
70		4.8	4.6	6.	4	4	4.2	3.9	70
72		3.6	4.1	1	3.5	3.5	3.6	3.3	72
74			3.5	5.	3	3	3.1	2.9	74
76			3.1	4	2.5	2.5	2.6	2.4	76
78			2.6	4.	2	2	2.2	2	78
80				8	1.6	1.6	1.7	1.6	80
Code				4.				2222221	Code
	1111110	1111111	2111111	2	2221111	2222111	2222211	2	
Parts of line	2	2	2	3. 2 7 3	2	2	2		Parts of line
Hook block	40t	40t	40t	1 2. 7 2. 2 1. 7	40t	40t	40t	40t	Hook block


20°
V 16m
T81.8m
26.5m
18.5m
10.5m
140
130
120
110
100
90
80
70
60
50
40
30
20
10
LIFTING HEIGHT m
0
10
20
30
40
50
60
70
80
90
100
Working radius/m

m	46.2-81.8m T ٤٦.٢+١٦m	26.159m.2m ٥١.٣+١٦m	20 ٥٦.٤+١٦m	9.216m×8.53m ٦١.٤+١٦m	100t 360° ٦٦.٥+١٦m	100t ٧١.٦+١٦m	16m V ٧٦.٧+١٦m	٨١.٨+١٦m	m
22	3.8	3.8							22
24	3.7	3.7	3.8						24
26	3.5	3.6	3.6	3.7					26
28	3.4	3.4	3.5	3.6	3.6	3.7			28
30	3.2	3.3	3.3	3.5	3.5	3.6	3.6		30
32	3.0	3.2	3.2	3.3	3.4	3.5	3.4		32
34	2.9	3.0	3.0	3.1	3.3	3.4	3.3	3.4	34
36	2.8	3.0	3.0	3.0	3.2	3.3	3.2	3.3	36
38	2.7	2.8	2.8	2.9	3.0	3.1	3.1	3.2	38
40	2.7	2.8	2.8	2.8	3.0	3.0	3.0	3.1	40
42	2.6	2.6	2.7	2.7	2.8	2.9	2.9	3.0	42
44	2.5	2.6	2.6	2.7	2.8	2.8	2.9	2.9	44
46	2.4	2.5	2.5	2.7	2.6	2.8	2.9	2.8	46
48	2.3	2.5	2.5	2.5	2.6	2.6	2.7	2.8	48
50	2.2	2.3	2.5	2.5	2.5	2.6	2.7	2.7	50
52	2.2	2.3	2.4	2.5	2.5	2.6	2.6	2.7	52
54	2.1	2.2	2.3	2.4	2.4	2.5	2.5	2.6	54
56	2.1	2.2	2.2	2.4	2.4	2.4	2.5	2.6	56
58	2.1	2.2	2.2	2.2	2.3	2.4	2.5	2.4	58
60	2.0	2.0	2.2	2.2	2.3	2.4	2.4	2.4	60
62	2.0	2.0	2.1	2.2	2.3	2.3	2.3	2.4	62
64	1.9	2.0	2.0	2.2	2.1	2.3	2.3	2.3	64
66	1.8	1.9	2.0	2.1	2.1	2.2	2.3	2.3	66
68	1.8	1.9	1.9	2.0	2.1	2.2	2.2	2.2	68
70	1.8	1.9	1.9	2.0	2.0	2.1	2.2	2.2	70
72	1.8	1.8	1.9	2.0	2.0	2.1	2.1	2.2	72
74	1.8	1.8	1.9	1.9	2.0	2.0	2.1	2.1	74
76	1.7	1.8	1.8	1.9	2.0	2.0	2.0	2.1	76
78	1.6	1.8	1.8	1.9	1.9	1.9	2.0	2.0	78
80	1.6	1.7	1.8	1.8	1.9	1.9	1.9	2.0	80
82	1.6	1.7	1.8	1.7	1.8	1.8	1.9	1.9	82
84		1.6	1.7	1.7	1.8	1.8	1.8	1.8	84
86		1.6	1.7	1.7	1.7	1.7	1.7	1.8	86
88		1.6	1.6	1.6	1.7	1.7	1.7	1.7	88
90			1.6	1.6	1.5	1.5	1.5	1.7	90
92			1.6						92
Code			2111111						Code
	1111110	1111111		2211111	2221111	2222111	2222211	2222221	
Parts of line	1	1	1	1	1	1	1	1	Parts of line
Hook block	13.5t	13.5t	13.5t	13.5t	13.5t	13.5t	13.5t	13.5t	Hook block

m	46.2-81.8m T ٤٦.٢+١٦m	18.159m.2m ٥١.٣+١٦m	20 SL ٥٦.٤+١٦m	9.216m×8.53m ٦١.٤+١٦m	100t 360° ٦٦.٥+١٦m	100t ٧١.٦+١٦m	16m V ٧٦.٧+١٦m	٨١.٨+١٦m	m
18	5.0	5.0							18
20	4.7	4.8	4.9	4.9					20
22	4.5	4.6	4.7	4.7	4.8				22
24	4.3	4.4	4.5	4.6	4.6	4.7			24
26	4.1	4.2	4.3	4.4	4.4	4.5	4.7		26
28	3.9	4.1	4.1	4.3	4.3	4.3	4.5	4.5	28
30	3.8	3.9	4.0	4.1	4.2	4.2	4.3	4.4	30
32	3.7	3.7	3.9	4.0	4.0	4.1	4.2	4.2	32
34	3.6	3.6	3.7	3.9	3.9	4.0	4.1	4.0	34
36	3.4	3.5	3.6	3.8	3.8	3.9	3.9	3.9	36
38	3.3	3.4	3.5	3.7	3.7	3.7	3.8	3.8	38
40	3.1	3.3	3.4	3.5	3.6	3.6	3.7	3.8	40
42	3.1	3.2	3.3	3.4	3.5	3.5	3.6	3.7	42
44	3.0	3.1	3.2	3.3	3.4	3.5	3.5	3.6	44
46	2.9	3.0	3.1	3.2	3.3	3.4	3.4	3.5	46
48	2.8	2.9	3.0	3.1	3.3	3.3	3.4	3.4	48
50	2.7	2.9	2.9	3.0	3.2	3.2	3.3	3.3	50
52	2.7	2.7	2.8	3.0	3.0	3.2	3.2	3.3	52
54	2.6	2.7	2.8	2.9	3.0	3.1	3.2	3.2	54
56	2.6	2.6	2.7	2.8	3.0	3.0	3.1	3.2	56
58	2.5	2.6	2.7	2.8	2.8	3.0	3.0	3.1	58
60	2.4	2.5	2.6	2.8	2.8	2.9	3.0	3.0	60
62	2.4	2.5	2.6	2.7	2.8	2.8	2.8	3.0	62
64	2.4	2.5	2.5	2.6	2.7	2.8	2.8	2.9	64
66	2.3	2.4	2.5	2.6	2.7	2.7	2.8	2.9	66
68	2.3	2.4	2.4	2.5	2.6	2.7	2.7	2.8	68
70	2.2	2.4	2.4	2.5	2.6	2.7	2.7	2.8	70
72	2.2	2.3	2.4	2.4	2.5	2.6	2.6	2.7	72
74	2.2	2.3	2.3	2.4	2.5	2.6	2.6	2.6	74
76		2.3	2.3	2.3	2.4	2.5	2.5	2.6	76
78		2.2	2.2	2.3	2.3	2.5	2.4	2.5	78
80		2.2	2.2	2.2	2.2	2.4	2.3	2.5	80
82			2.1	2.1	2.1	2.2	2.3	2.3	82
84			2.0	1.9	1.7	1.8	1.9	2.1	84
86				1.5	1.3	1.4	1.5	1.7	86
Code				2211111	2221111	2222111	2222211	2222221	Code
	1111110	1111111	2111111						
Parts of line	1	1	1	1	1	1	1	1	Parts of line
Hook block	13.5t	13.5t	13.5t	13.5t	13.5t	13.5t	13.5t	13.5t	Hook block

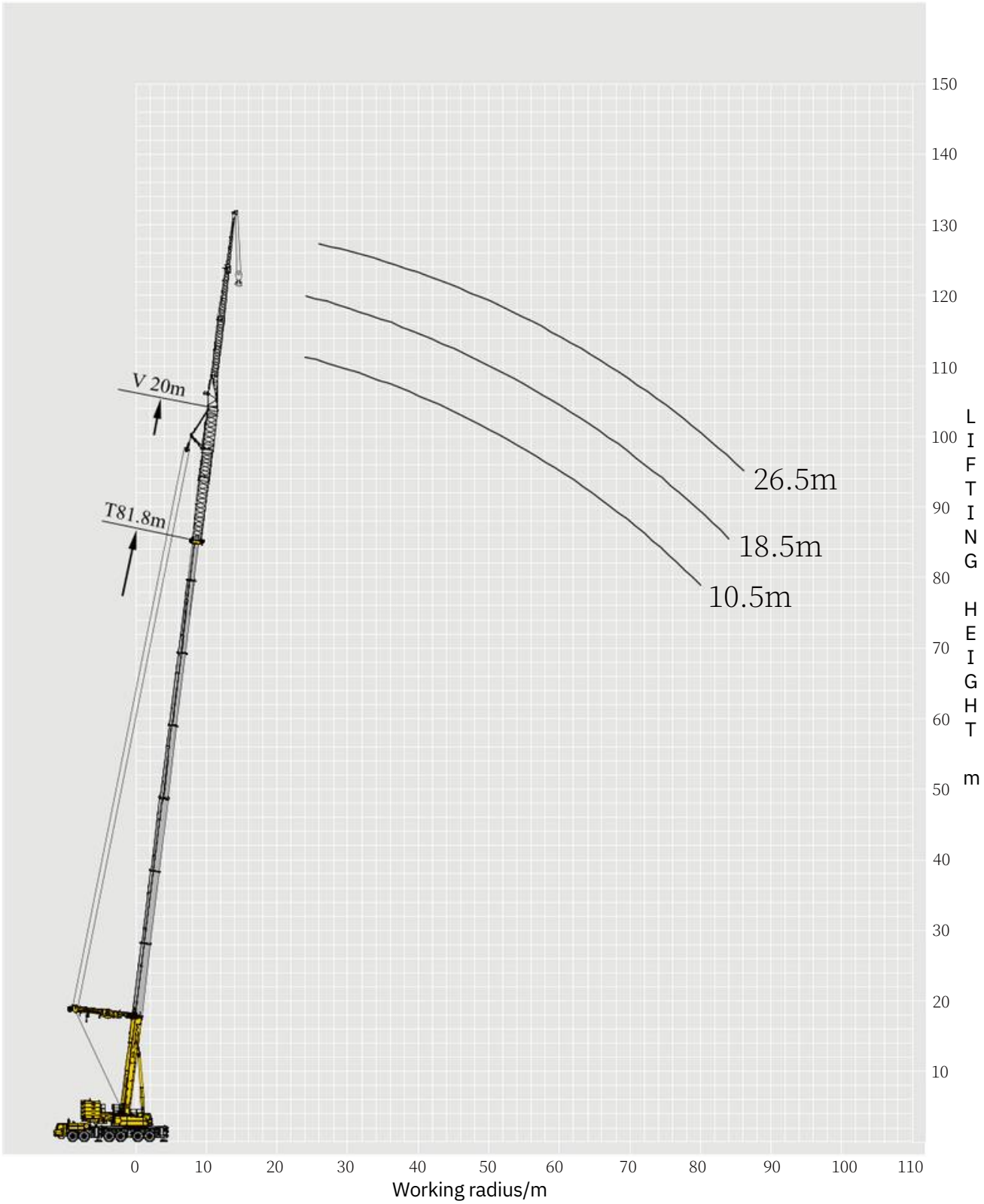
m	46.2-81.8m ٤٦.٢+١٦m	10.159m.2m ٥١.٣+١٦m	20 ٥٦.٤+١٦m	9.216m×8.53m ٦١.٤+١٦m	100t ٦٦.٥+١٦m	100t ٧١.٦+١٦m	16m V ٧٦.٧+١٦m	٨١.٨+١٦m	m
14	17.4	17.5							14
16	16.4	16.6	16.5						16
18	15.5	15.6	15.6	15.5	15.4				18
20	14.8	14.8	15.2	15.1	14.9	14.9			20
22	14.1	14.3	14.2	14.4	14.5	14.4			22
24	13.4	13.4	13.8	13.7	14	14	13.4		24
26	12.9	13	13.3	13.2	13.3	13.5	13.2	12.7	26
28	12.4	12.5	12.8	12.8	12.9	13.1	12.8	12.3	28
30	11.9	12.2	12.5	12.4	12.5	12.6	12.5	12	30
32	11.5	11.9	12	12.2	12.3	12.3	12.1	11.7	32
34	11.1	11.4	11.7	11.9	11.9	12.1	11.8	11.2	34
36	10.8	11	11.3	11.4	11.6	11.8	11.6	10.9	36
38	10.4	10.5	10.8	11	11.4	11.4	11.4	10.4	38
40	10.1	10.3	10.6	10.8	11	11.1	11	10.1	40
42	9.7	10	10.3	10.5	10.7	10.9	10.8	9.7	42
44	9.4	9.6	9.9	10.2	10.5	10.6	10.6	9.4	44
46	9.2	9.3	9.8	9.8	10.2	10.3	10.3	9	46
48	8.9	9.1	9.4	9.6	10	10.2	10.2	8.6	48
50	8.7	8.9	9.1	9.4	9.8	9.8	9.8	8.2	50
52	8.5	8.6	8.9	9.2	9.5	9.7	9.4	7.9	52
54	8.2	8.4	8.8	9.1	9.3	9.5	8.9	7.5	54
56	8	8.2	8.4	8.9	9.1	9.3	8.4	7.1	56
58	7.7	8.1	8.1	8.6	8.2	8.2	7.9	6.7	58
60	7.4	7.9						6.5	60
62	7.1	7.5	7.7	7.6	7.	7.	7.6	6.1	62
64	6.4	6.9	7	6.6	6	6	6.8	5.8	64
66	5.7	6.2	6.3	5.9	6.	6.	6.1	5.4	66
68		5.6	5.6	5.2	7	7	5.3	5	68
70		5	5	4.6	5.	5.	4.7	4.4	70
72		4.4	4.4	4	8	8	4.1	3.8	72
74			3.8	3.5	5.	5.	3.6	3.3	74
76			3.3	3	1	1	3	2.8	76
78			2.7	2.4	4.	4.	2.6	2.3	78
80				2	5	5	2.1	1.9	80
82				1.5	3.	3.	1.7	1.5	82
Code					9	9		2222221	Code
	1111110	1111111	2111111	2211111	2221111	2222111	2222211	1	
Parts of line	2	2	2	2	3 2	4 2	1		Parts of line
Hook block	40t	40t	40t	40t	40t	40t	13.5t	13.5t	Hook block
					2. 3 1. 9 1. 4	2. 4 1. 9 1. 5			


40°
V 16m
T81.8m
26.5m
18.5m
10.5m
140
130
120
110
100
90
80
70
60
50
40
30
20
10
LIFTING HEIGHT m
0
10
20
30
40
50
60
70
80
90
100
Working radius/m

m	46.2-81.8m ٤٦.٢+١٦m	26.159m.2m ٥١.٣+١٦m	40 ٥٦.٤+١٦m	9.216m×8.53m ٦١.٤+١٦m	100t ٦٦.٥+١٦m	100t ٧١.٦+١٦m	16m V ٧٦.٧+١٦m	٨١.٨+١٦m	m
28	2.5								28
30	2.3	2.3							30
32	2.2	2.2	2.3	2.3					32
34	2.2	2.2	2.3	2.3	2.3				34
36	2.1	2.1	2.1	2.2	2.2	2.3			36
38	2.1	2.1	2.1	2.1	2.2	2.2	2.2		38
40	2.0	2.1	2.1	2.1	2.1	2.2	2.2	2.3	40
42	2.0	2.0	2.0	2.0	2.1	2.2	2.2	2.3	42
44	2.0	2.0	2.0	2.0	2.1	2.1	2.1	2.2	44
46	1.9	2.0	2.0	2.0	2.0	2.1	2.1	2.2	46
48	1.9	1.9	2.0	2.0	2.0	2.0	2.0	2.2	48
50	1.9	1.9	1.9	1.9	2.0	2.0	2.0	2.1	50
52	1.8	1.9	1.9	1.9	2.0	2.0	2.0	2.1	52
54	1.8	1.8	1.9	1.9	1.9	2.0	2.0	2.1	54
56	1.8	1.8	1.8	1.8	1.9	1.9	2.0	2.1	56
58	1.8	1.8	1.8	1.8	1.9	1.9	1.9	2.0	58
60	1.7	1.8	1.8	1.8	1.8	1.9	1.9	2.0	60
62	1.7	1.7	1.8	1.8	1.8	1.8	1.9	1.9	62
64	1.7	1.7	1.8	1.8	1.8	1.8	1.8	1.9	64
66	1.7	1.7	1.7	1.7	1.8	1.8	1.8	1.9	66
68	1.6	1.7	1.7	1.7	1.8	1.8	1.8	1.8	68
70	1.6	1.7	1.7	1.7	1.7	1.8	1.8	1.8	70
72	1.6	1.6	1.7	1.7	1.7	1.8	1.8	1.8	72
74		1.6	1.7	1.7	1.7	1.7	1.8	1.8	74
76		1.6	1.6	1.7	1.7	1.7	1.8	1.8	76
78			1.6	1.6	1.7	1.7	1.7	1.8	78
80			1.6	1.6	1.7	1.7	1.7	1.8	80
82				1.6	1.7	1.7	1.7	1.8	82
84				1.6	1.6	1.7	1.6	1.7	84
86				1.6	1.6	1.6	1.6	1.7	86
88					1.6	1.6	1.6	1.7	88
90					1.6	1.6	1.6	1.6	90
92						1.4	1.5	1.6	92
94								1.4	94
Code								2222221	Code
	1111110	1111111	2111111	2211111	2221111	2222111	2222211		
Parts of line	1	1	1	1	1	1	1	1	Parts of line
Hook block	13.5t	13.5t	13.5t	13.5t	13.5t	13.5t	13.5t	13.5t	Hook block

m	46.2-81.8m T ٤٦.٢+١٦m	18.159m.2m ٥١.٣+١٦m	40 ٥٦.٤+١٦m	9.216m×8.53m ٦١.٤+١٦m	100t 360° ٦٦.٥+١٦m	100t ٧١.٦+١٦m	16m V ٧٦.٧+١٦m	٨١.٨+١٦m	m
22	3.2	3.2							22
24	3.0	3.0	3.1	3.2					24
26	2.9	2.9	2.9	3.0	3.0				26
28	2.8	2.8	2.9	2.9	3.0	3.0			28
30	2.7	2.8	2.9	2.9	2.8	2.9	2.9	2.9	30
32	2.7	2.8	2.8	2.8	2.8	2.8	2.9	2.9	32
34	2.6	2.7	2.8	2.8	2.8	2.8	2.9	2.9	34
36	2.6	2.6	2.7	2.8	2.7	2.8	2.8	2.9	36
38	2.6	2.6	2.6	2.7	2.7	2.7	2.8	2.8	38
40	2.5	2.6	2.6	2.7	2.6	2.7	2.7	2.8	40
42	2.5	2.5	2.5	2.6	2.6	2.6	2.6	2.7	42
44	2.4	2.5	2.5	2.5	2.6	2.6	2.6	2.6	44
46	2.4	2.5	2.5	2.5	2.6	2.6	2.6	2.6	46
48	2.4	2.4	2.4	2.5	2.5	2.6	2.5	2.5	48
50	2.4	2.4	2.4	2.4	2.5	2.5	2.5	2.5	50
52	2.3	2.4	2.4	2.4	2.5	2.5	2.5	2.5	52
54	2.3	2.3	2.4	2.4	2.5	2.5	2.5	2.5	54
56	2.3	2.3	2.3	2.3	2.4	2.5	2.4	2.5	56
58	2.3	2.3	2.3	2.3	2.4	2.4	2.4	2.5	58
60	2.2	2.3	2.3	2.3	2.4	2.4	2.4	2.5	60
62	2.2	2.3	2.3	2.3	2.4	2.3	2.4	2.4	62
64	2.2	2.2	2.3	2.3	2.4	2.3	2.4	2.4	64
66		2.2	2.3	2.2	2.3	2.3	2.4	2.4	66
68		2.2	2.2	2.2	2.3	2.3	2.3	2.4	68
70			2.2	2.2	2.3	2.3	2.3	2.4	70
72			2.2	2.2	2.3	2.3	2.3	2.4	72
74				2.2	2.3	2.3	2.3	2.3	74
76				2.2	2.2	2.3	2.3	2.3	76
78					2.2	2.2	2.2	2.3	78
80					2.2	2.2	2.2	2.3	80
82					2.2	2.2	2.1	2.2	82
84						2.0	2.1	2.2	84
86						1.5	1.7	2.0	86
88								1.6	88
Code								2222221	Code
	1111110	1111111	2111111	2211111	2221111	2222111	2222211		
Parts of line	1	1	1	1	1	1	1	1	Parts of line
Hook block	13.5t	13.5t	13.5t	13.5t	13.5t	13.5t	13.5t	13.5t	Hook block

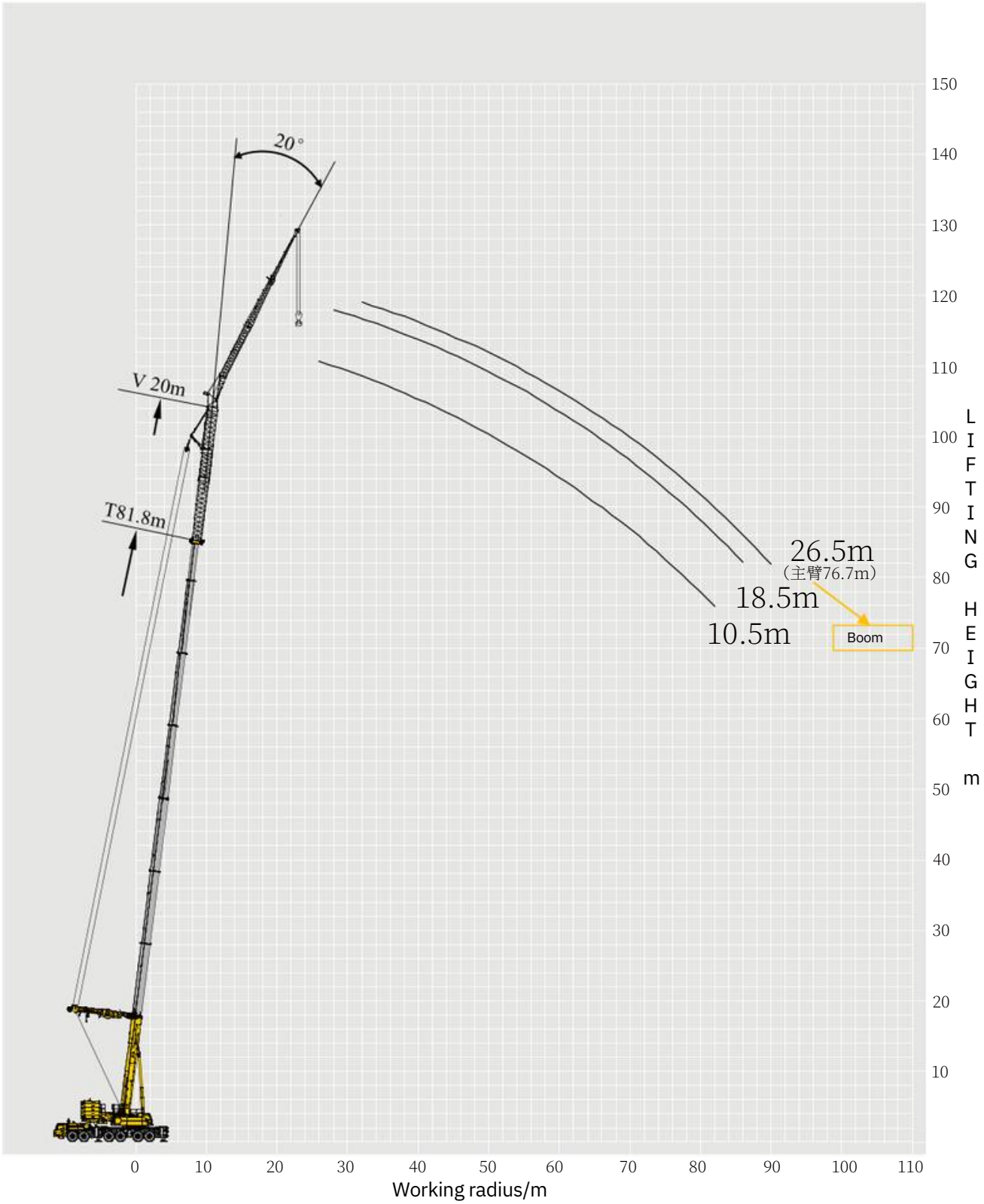
m	46.2-81.8m T ٤٦.٢+١٦m	10.159m.2m ٥١.٣+١٦m	40 SL ٥٦.٤+١٦m	9.216m×8.53m ٦١.٤+١٦m	100t 360° ٦٦.٥+١٦m	100t ٧١.٦+١٦m	16m V ٧٦.٧+١٦m	٨١.٨+١٦m	m
18	11	10.8	11						18
20	10.6	10.5	10.5	10.2					20
22	10.3	10.3	10.2	10.2	10				22
24	9.9	10.1	10.1	9.8	9.8	9.7	9.7		24
26	9.7	9.8	9.7	9.7	9.6	9.5	9.5		26
28	9.4	9.4	9.7	9.6	9.5	9.5	9.2	9.3	28
30	9.2	9.4	9.2	9.3	9.4	9.3	9	9.1	30
32	9	9.1	9.2	9.1	9.2	9.1	9	9	32
34	8.7	8.9	9	8.9	8.9	8.9	8.8	8.9	34
36	8.5	8.7	8.7	8.7	8.8	8.8	8.6	8.6	36
38	8.3	8.4	8.5	8.6	8.7	8.6	8.6	8.5	38
40	8.1	8.3	8.5	8.4	8.5	8.6	8.4	8.4	40
42	8	8.2	8.3	8.3	8.3	8.4	8.3	8.3	42
44	7.8	8	8	8.2	8.2	8.2	8.1	8.3	44
46	7.7	7.8	8	8	8	8.1	8.1	8.2	46
48	7.5	7.7	7.8	7.8	8	8	7.9	8	48
50	7.4	7.5	7.8	7.7	7.8	7.8	7.8	8	50
52	7.3	7.5	7.6	7.6	7.7	7.7	7.8	7.8	52
54	7.2	7.3	7.5	7.5	7.5	7.6	7.7	7.5	54
56	7	7.2	7.2	7.4	7.3	7.4	7.6	7	56
58	6.8	7.1	7.1	7.3	7.1	7.3	7.6	6.8	58
60		7	6.8	7	6.9	7.2	7.5	6.4	60
62		6.9	6.7	6.9	6.8	6.9	7.2	6.1	62
64			6.5	6.2	6.1	6.1	6.7	5.7	64
66			5.7	5.5	5.4	5.4	5.7	5.4	66
68				4.8	4.7	4.8	5.1	5.2	68
70					4.1	4.2	4.4	4.7	70
72					3.5	3.6	3.8	4.2	72
74					3	3.1	3.3	3.5	74
76						2.5	2.8	3	76
78						2.1	2.3	2.5	78
80							1.8	2.1	80
82							1.4	1.6	82
Code							2222211	2222221	Code
	1111110	1111111	2111111	2211111	2221111	2222111	1	1	
Parts of line	1	1	1	1	1	1			Parts of line
Hook block	13.5t	13.5t	13.5t	13.5t	13.5t	13.5t	13.5t	13.5t	Hook block


V 20m
T81.8m
26.5m
18.5m
10.5m
150
140
130
120
110
100
90
80
70
60
50
40
30
20
10
LIFTING HEIGHT m
0
10
20
30
40
50
60
70
80
90
100
110
Working radius/m

m	46.2-81.8m T ٤٦.٢+٢٠m	26.159m.2m ٥١.٣+٢٠m	0° ٥٦.٤+٢٠m	SL	9.216m×8.53m ٦١.٤+٢٠m	100t 360° ٦٦.٥+٢٠m	100t ٧١.٦+٢٠m	20m V ٧٦.٧+٢٠m	٨١.٨+٢٠m	m
14	10.3	10.6								14
16	10.2	10.3	10.1	9.0						16
18	9.7	10.1	10.1	9.0	10.1					18
20	8.7	9.1	9.5	9.0	9.6	9.1				20
22	8.0	8.4	8.7	9.0	9.2	9.0				22
24	7.3	7.6	8.0	8.3	8.6	8.8	7.5			24
26	6.8	7.1	7.4	7.6	8.0	8.0	7.5	6.0		26
28	6.3	6.6	6.9	7.1	7.5	7.6	7.3	6.0		28
30	5.8	6.1	6.4	6.6	7.0	7.1	7.2	6.0		30
32	5.4	5.8	6.0	6.2	6.5	6.7	6.7	6.0		32
34	5.2	5.4	5.7	5.9	6.2	6.3	6.4	6.0		34
36	4.8	5.1	5.4	5.6	5.9	6.0	6.1	5.9		36
38	4.6	4.9	5.1	5.3	5.6	5.7	5.8	5.8		38
40	4.3	4.6	4.8	5.0	5.3	5.5	5.6	5.5		40
42	4.1	4.4	4.6	4.8	5.0	5.2	5.3	5.3		42
44	3.9	4.1	4.3	4.5	4.8	5.0	5.1	5.1		44
46	3.7	3.9	4.2	4.4	4.6	4.7	4.8	4.9		46
48	3.6	3.8	4.0	4.1	4.4	4.6	4.7	4.7		48
50	3.4	3.6	3.8	4.0	4.2	4.4	4.5	4.5		50
52	3.2	3.4	3.7	3.9	4.1	4.2	4.3	4.3		52
54	3.1	3.3	3.5	3.7	3.9	4.1	4.2	4.2		54
56	2.9	3.2	3.3	3.5	3.7	3.9	4.0	4.1		56
58	2.8	3.0	3.2	3.4	3.6	3.7	3.9	3.9		58
60	2.8	2.8	3.1	3.3	3.5	3.6	3.7	3.8		60
62	2.6	2.8	3.0	3.2	3.4	3.5	3.6	3.7		62
64	2.6	2.6	2.9	3.0	3.3	3.4	3.4	3.6		64
66	2.4	2.6	2.8	3.0	3.1	3.3	3.3	3.5		66
68	2.4	2.5	2.7	2.8	3.0	3.2	3.3	3.4		68
70	2.3	2.5	2.6	2.8	2.9	3.0	3.2	3.2		70
72	2.3	2.3	2.5	2.6	2.8	2.9	3.1	3.1		72
74	2.1	2.3	2.5	2.6	2.7	2.8	3.0	3.0		74
76	2.1	2.2	2.4	2.5	2.6	2.7	2.8	2.9		76
78	1.9	2.2	2.3	2.4	2.4	2.6	2.6	2.8		78
80	1.9	2.1	2.2	2.3	2.3	2.5	2.5	2.6		80
82	1.8	2.0	2.0	2.2	2.2	2.2	2.2	2.3		82
84	1.8	1.9	2.0	2.1	1.9	1.8	1.8	1.9		84
86	1.7	1.8	1.9	1.9	1.6	1.5	1.5	1.6		86
88		1.8	1.9	1.5						88
90		1.7	1.6							90
92		1.8								92
Code	1111110	1111111	2111111	2211111	2221111	2222111	2222211	2222221		Code
Parts of line	1	1	1	1	1	1	1	1		Parts of line
Hook block	13.5t	13.5t	13.5t	13.5t	13.5t	13.5t	13.5t	13.5t		Hook block

m	46.2-81.8m T ٤٦.٢+٢٠m	18.159m.2m ٥١.٣+٢٠m	0° ٥٦.٤+٢٠m	SL	9.216m×8.53m ٦١.٤+٢٠m	100t 360° ٦٦.٥+٢٠m	100t ٧١.٦+٢٠m	20m V ٧٦.٧+٢٠m	٨١.٨+٢٠m	m
12	13.3	12.8								12
14	12.9	12.5	12.2							14
16	12.3	12.4	12.0	12.3	11.9					16
18	11.5	11.9	12.0	11.9	11.8	11.3				18
20	10.2	10.9	11.5	11.6	11.8	11.1				20
22	9.3	9.8	10.5	11.0	11.4	11.1	11.1			22
24	8.6	9.1	9.5	10.0	10.6	10.7	10.7	7.7		24
26	7.8	8.3	8.7	9.1	9.7	9.9	10.0	7.7		26
28	7.2	7.6	8.1	8.6	9.0	9.3	9.5	7.7		28
30	6.7	7.1	7.6	8.0	8.4	8.7	8.8	7.7		30
32	6.3	6.7	7.1	7.5	8.0	8.2	8.2	7.7		32
34	5.9	6.3	6.6	7.0	7.5	7.7	7.8	7.7		34
36	5.5	5.9	6.3	6.7	7.0	7.3	7.4	7.4		36
38	5.3	5.6	6.0	6.3	6.6	6.9	7.0	7.1		38
40	5.0	5.3	5.6	6.0	6.3	6.5	6.7	6.8		40
42	4.8	5.1	5.3	5.7	6.0	6.2	6.4	6.5		42
44	4.5	4.8	5.1	5.3	5.8	6.0	6.1	6.2		44
46	4.3	4.6	4.8	5.1	5.4	5.7	5.8	5.9		46
48	4.1	4.4	4.7	4.9	5.2	5.5	5.6	5.7		48
50	4.0	4.2	4.4	4.7	5.0	5.2	5.4	5.5		50
52	3.8	4.0	4.3	4.5	4.8	5.0	5.2	5.3		52
54	3.6	3.9	4.2	4.4	4.7	4.8	5.0	5.0		54
56	3.5	3.7	3.9	4.2	4.4	4.6	4.8	4.9		56
58	3.4	3.6	3.8	4.0	4.3	4.5	4.7	4.8		58
60	3.3	3.5	3.7	3.9	4.2	4.3	4.5	4.5		60
62	3.1	3.3	3.5	3.8	4.0	4.1	4.3	4.4		62
64	3.0	3.2	3.4	3.7	3.9	4.0	4.2	4.3		64
66	2.9	3.0	3.3	3.5	3.8	3.9	4.0	4.2		66
68	2.8	3.0	3.2	3.4	3.7	3.7	3.9	4.0		68
70	2.7	2.8	3.1	3.3	3.6	3.5	3.8	3.9		70
72	2.5	2.8	2.9	3.2	3.4	3.2	3.6	3.7		72
74	2.4	2.7	2.9	3.0	3.3	3.1	3.4	3.5		74
76	2.3	2.6	2.7	2.8	3.1	2.9	2.9	3.1		76
78	2.2	2.5	2.7	2.7	2.5	2.5	2.5	2.6		78
80		2.4	2.5	2.4	2.1	2.1	2.1	2.2		80
82		2.3	2.4	2.0	1.7	1.7	1.7	1.8		82
84		2.3	2.0	1.6	1.4	1.3	1.3	1.5		84
86			1.7							86
Code			2111111							Code
	1111110	1111111		2211111	2221111	2222111	2222211	2222221		
Parts of line	1	1	1	1	1	1	1	1		Parts of line
Hook block	13.5t	13.5t	13.5t	13.5t	13.5t	13.5t	13.5t	13.5t		Hook block

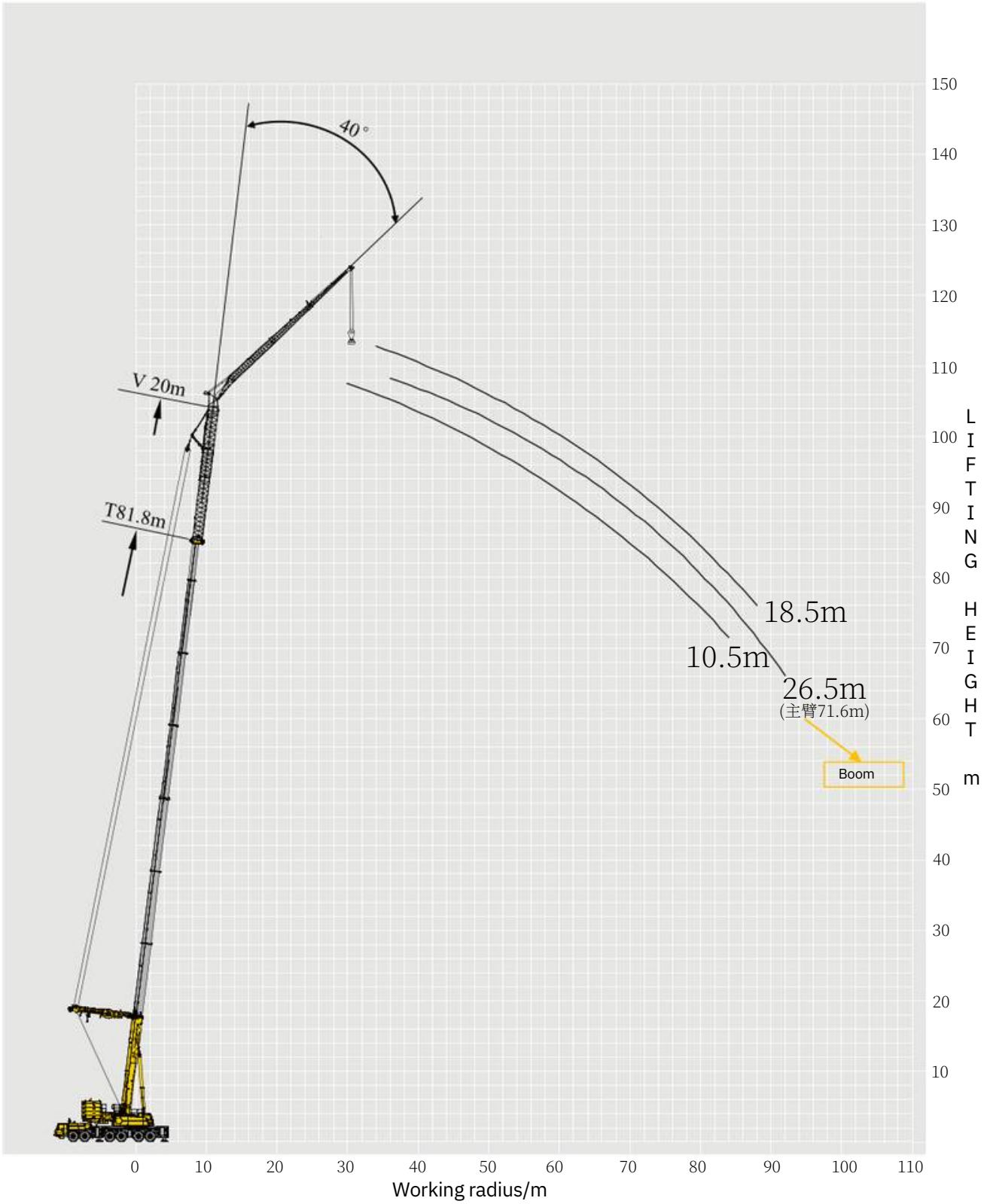
m	46.2-81.8m T ٤٦.٢+٢٠m	10.159m.2m ٥١.٣+٢٠m	0° ٥٦.٤+٢٠m	SL	9.216m×8.53m ٦١.٤+٢٠m	100t 360° ٦٦.٥+٢٠m	100t ٧١.٦+٢٠m	20m V ٧٦.٧+٢٠m	٨١.٨+٢٠m	m
10	26.4									10
12	26.4	26.4								12
14	26.2	26.3	26.1	26.4						14
16	25.5	25.6	25.6	26.3	26.2					16
18	23.8	24.6	25.3	25.8	25.7	26.2				18
20	22.1	23.5	23.8	24.5	25.4	24.6	21.4			20
22	20.7	21.6	22.4	23.1	24.2	23.6	20.1			22
24	19.3	20.2	21.0	21.8	23.1	22.0	18.8	15.5		24
26	17.9	19.2	19.8	20.4	22.0	21.0	17.6	14.7		26
28	17.0	18.1	18.9	19.4	20.8	19.8	16.7	13.7		28
30	16.0	17.1	17.9	18.5	19.6	18.7	15.7	12.5		30
32	15.1	16.1	16.8	17.5	18.7	17.8	14.8	11.4		32
34	14.4	15.2	16.0	16.6	17.8	16.9	13.8	10.8		34
36	13.7	14.6	15.3	16.1	17.0	15.9	13.3	10.3		36
38	13.0	13.9	14.6	15.2	16.4	14.9	11.9	9.8		38
40	12.5	13.4	14.0	14.6	15.6	14.0	11.1	9.1		40
42	12.2	12.7	13.2	14.2	15.1	13.3	10.6	8.7		42
44	11.7	12.4	12.7	13.5	14.3	11.9	9.9	8.3		44
46	11.2	12.0	12.4	13.0	13.3	11.1	9.4	8.0		46
48	10.8	11.5	12.1	12.4	12.4	10.6	8.9	7.5		48
50	10.5	11.2	11.7	11.4	11.4	9.9	8.4	7.0		50
52	10.0	10.8	11.3	10.5	10.5	9.4	7.9	6.7		52
54	9.6	10.3	10.5	9.5	9.5	8.9	7.5	6.3		54
56			9.5	8.6	8.6	8.4	7.2	6.0		56
58	9.3	9.6	8.6	7.9	7.6	7.6	6.7	5.6		58
60	8.8	9.2	7.6	7.0	6.8	6.8	6.4	5.3		60
62	8.0	8.3	6.7	6.3	6.1	6.1	6.0	5.0		62
64	7.1	7.6	6.1	5.6	5.4	5.4	5.6	4.8		64
66	6.4	6.8	5.4	5.0	4.8	4.8	4.9	4.5		66
68	5.8	6.2	4.9	4.4	4.2	4.2	4.3	4.3		68
70	5.2	5.6	4.3	3.9	3.7	3.6	3.7	3.9		70
72	4.6	5.0	3.8	3.4	3.1	3.1	3.2	3.4		72
74	2.4	4.5	3.3	2.9	2.7	2.6	2.7	2.9		74
76		4.0	2.8	2.4	2.2	2.2	2.3	2.5		76
78		3.0	2.4	2.0	1.8	1.7	1.8	2.0		78
80			1.9	1.5	1.3	1.3	1.4	1.6		80
Code			2111111	2211111	2221111	2222111	2222211	2222221		Code
	1111110	1111111								
Parts of line	2	2	2	2	2	2	2	2		Parts of line
Hook block	40t	40t	40t	40t	40t	40t	40t	40t		Hook block


20°
V 20m
T81.8m
26.5m
（主臂76.7m）
18.5m
10.5m
Boom
150
140
130
120
110
100
90
80
70
60
50
40
30
20
10
LIFTING HEIGHT m
0
10
20
30
40
50
60
70
80
90
100
110
Working radius/m

m	46.2-76.7m T ٤٦.٢+٢٠m	26.159m.2m ٥١.٣+٢٠m	20 SL ٥٦.٤+٢٠m	9.216m×8.53m ٦١.٤+٢٠m	100t 360° ٦٦.٥+٢٠m	100t ٧١.٦+٢٠m	20m V ٧٦.٧+٢٠m	m
22 24	3.8							22 24
26 28	3.7	3.7	3.8					26 28
30 32	3.6	3.6	3.7	3.7				30 32
34 36	3.4	3.5	3.6	3.6	3.6			34 36
38 40	3.3	3.4	3.4	3.5	3.5	3.6		38 40
42	3.2	3.2	3.3	3.4	3.4	3.5	3.7	42
44	3.0	3.0	3.2	3.3	3.3	3.4	3.5	44
46 48	3.0	3.0	3.0	3.2	3.2	3.2	3.3	46 48
50 52	2.8	2.8	2.9	3.0	3.0	3.1	3.2	50 52
54 56	2.8	2.8	2.8	3.0	3.0	3.1	3.0	54 56
58 60	2.6	2.6	2.8	2.8	2.9	2.9	3.0	58 60
62 64	2.6	2.6	2.7	2.8	2.8	2.9	2.9	62 64
66	2.5	2.5	2.6	2.6	2.7	2.8	2.9	66
68 70	2.4	2.5	2.6	2.6	2.7	2.7	2.8	68 70
72 74	2.3	2.5	2.5	2.5	2.7	2.6	2.7	72 74
76 78	2.3	2.3	2.4	2.5	2.6	2.6	2.6	76 78
80 82	2.2	2.3	2.4	2.5	2.5	2.6	2.6	80 82
84 86	2.2	2.2	2.4	2.3	2.4	2.5	2.5	84 86
88 90	2.1	2.2	2.3	2.3	2.3	2.4	2.5	88 90
92 94	2.0	2.2	2.2	2.3	2.3	2.4	2.5	92 94
Code	2.0	2.0	2.1	2.2	2.3	2.3	2.4	Code
Parts of line	2.0	2.0	2.1	2.2	2.2	2.3	2.3	Parts of line
	2.0	2.0	2.1	2.2	2.2	2.3	2.3	
	1.9	1.9	2.0	2.0	2.2	2.2	2.3	
	1.9	1.9	2.0	2.0	2.2	2.2	2.2	
	1.8	1.9	1.9	2.0	2.1	2.1	2.2	
	1.8	1.9	1.9	1.9	2.0	2.1	2.1	
	1.8	1.9	1.9	1.9	2.0	2.0	2.1	
	1.7	1.8	1.9	1.9	2.0	2.0	2.1	
	1.7	1.8	1.8	1.8	1.9	2.0	2.0	
	1.7	1.7	1.8	1.8	1.8	1.9	1.9	
	1.6	1.7	1.8	1.7	1.8	1.9	1.9	
	1.6	1.6	1.7	1.6	1.8	1.8	1.8	
		1.6	1.6	1.6	1.7	1.8	1.7	
		1.6	1.6	1.6	1.6	1.5	1.6	
		1.6	1.5	1.4				
			1.4					
			2111111					
	1111110	1111111		2211111	2221111	2222111	2222211	
	1	1	1	1	1	1	1	
Hook block	13.5t	13.5t	13.5t	13.5t	13.5t	13.5t	13.5t	Hook block

m	46.2-81.8m ٤٦.٢+٢٠m	18.159m.2m ٥١.٣+٢٠m	20 ٥٦.٤+٢٠m	9.216m×8.53m ٦١.٤+٢٠m	100t ٦٦.٥+٢٠m	100t ٧١.٦+٢٠m	20m V ٧٦.٧+٢٠m	٨١.٨+٢٠m	m
18	5.0								18
20	4.7	4.9	4.9						20
22	4.6	4.6	4.7	4.8	5.0				22
24	4.4	4.4	4.6	4.6	4.7	4.7			24
26	4.2	4.3	4.4	4.4	4.6	4.6	4.6		26
28	4.0	4.2	4.2	4.3	4.4	4.5	4.5	4.6	28
30	3.8	4.0	4.1	4.2	4.2	4.3	4.4	4.5	30
32	3.7	3.8	4.0	4.0	4.1	4.1	4.2	4.4	32
34	3.6	3.7	3.9	3.9	3.9	4.0	4.1	4.2	34
36	3.5	3.6	3.7	3.8	3.8	3.9	4.0	4.0	36
38	3.4	3.5	3.6	3.7	3.7	3.8	3.9	3.9	38
40	3.3	3.4	3.5	3.6	3.6	3.7	3.8	3.8	40
42	3.2	3.3	3.4	3.5	3.6	3.6	3.7	3.7	42
44	3.0	3.2	3.3	3.4	3.5	3.5	3.5	3.6	44
46	3.0	3.1	3.2	3.3	3.4	3.5	3.4	3.6	46
48	3.0	3.0	3.1	3.3	3.3	3.4	3.4	3.5	48
50	2.8	2.9	3.0	3.2	3.2	3.3	3.3	3.4	50
52	2.8	2.9	3.0	3.0	3.2	3.3	3.2	3.3	52
54	2.7	2.8	2.9	3.0	3.1	3.2	3.2	3.3	54
56	2.7	2.8	2.8	2.9	3.0	3.1	3.1	3.2	56
58	2.6	2.7	2.7	2.8	3.0	3.0	3.1	3.2	58
60	2.5	2.6	2.7	2.8	2.8	2.9	3.0	3.1	60
62	2.5	2.6	2.6	2.7	2.8	2.9	2.9	3.0	62
64	2.4	2.6	2.6	2.7	2.8	2.8	2.9	2.9	64
66	2.4	2.5	2.6	2.6	2.7	2.8	2.8	2.9	66
68	2.4	2.5	2.5	2.6	2.7	2.8	2.8	2.8	68
70	2.3	2.4	2.5	2.5	2.6	2.7	2.8	2.8	70
72	2.3	2.4	2.4	2.5	2.6	2.7	2.7	2.8	72
74	2.2	2.4	2.4	2.5	2.6	2.6	2.7	2.7	74
76	2.1	2.3	2.4	2.4	2.5	2.6	2.6	2.7	76
78	2.1	2.3	2.3	2.3	2.4	2.4	2.5	2.5	78
80		2.2	2.3	2.2	2.3	2.3	2.4	2.4	80
82		2.2	2.2	2.1	2.2	2.2	2.3	2.3	82
84		2.2	2.1	2.0	1.9	1.8	1.9	2.1	84
86			2.0	1.6	1.5	1.4	1.5	1.7	86
88			1.5						88
Code			2111111						Code
	1111110	1111111		2211111	2221111	2222111	2222211	2222221	
Parts of line	1	1	1	1	1	1	1	1	Parts of line
Hook block	13.5t	13.5t	13.5t	13.5t	13.5t	13.5t	13.5t	13.5t	Hook block

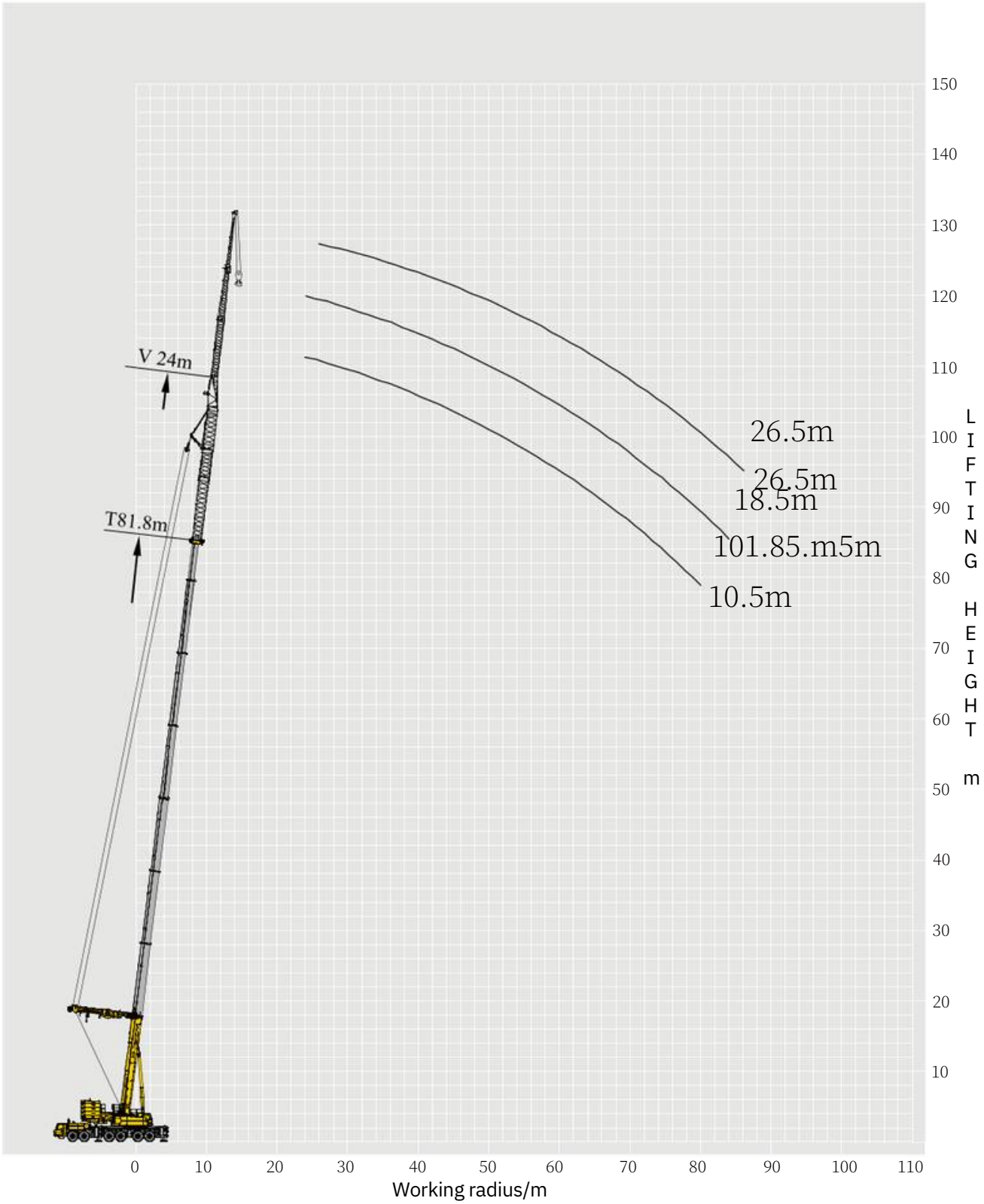
m	46.2-81.8m ٤٦.٢+٢٠m	10.159m.2m ٥١.٣+٢٠m	20 ٥٦.٤+٢٠m	9.216m×8.53m ٦١.٤+٢٠m	100t 360° ٦٦.٥+٢٠m	100t ٧١.٦+٢٠m	20m V ٧٦.٧+٢٠m	٨١.٨+٢٠m	m
14	17.4								14
16	16.5	16.7							16
18	15.6	15.8	15.7	15.3					18
20	14.8	14.9	15.3	14.9	15.0				20
22	14.3	14.4	14.4	14.4	14.6	14.3			22
24	13.7	13.7	13.9	14.0	14.2	13.8	13.8		24
26	13.1	13.3	13.4	13.5	13.5	13.4	13.4	12.3	26
28	12.5	12.8	12.9	12.8	13.0	12.9	12.9	11.8	28
30	12.2	12.4	12.6	12.4	12.6	12.5	12.6	11.4	30
32	11.9	12.1	12.3	12.3	12.4	12.4	12.4	10.9	32
34	11.4	11.7	11.9	11.8	12.2	12.2	12.1	10.4	34
36	10.9	11.2	11.4	11.6	11.8	11.7	11.7	10.0	36
38	10.5	10.9	11.1	11.1	11.5	11.5	11.5	9.7	38
40	10.3	10.5	10.7	10.9	11.3	11.3	11.2	9.3	40
42	10.0	10.2	10.4	10.7	10.9	11.0	10.7	8.8	42
44	9.6	10.1	10.2	10.4	10.7	10.6	10.3	8.4	44
46	9.3	9.6	9.9	10.0	10.4	10.5	9.8	8.0	46
48	9.1	9.4	9.7	10.0	10.1	10.2	9.3	7.6	48
50	8.8	9.1	9.5	9.5	9.9	10.0	8.8	7.3	50
52	8.6	8.9	9.2	9.5	9.8	9.9	8.3	6.9	52
54	8.4	8.8	9.0	9.3	9.6	9.6	7.8	6.5	54
56	8.1	8.5	8.7	9.0	9.3	9.2	7.5	6.3	56
58	8.0	8.3	8.5	8.6	8.6	8.6	7.1	6.0	58
60			8.4				6.7	5.7	60
62	7.9	8.1	7.6	7.8	7.6	7.6	6.3	5.4	62
64	7.6	7.8	6.7	7.0	6.8	6.8	5.9	5.0	64
66	6.9	7.3	5.9	6.3	6.1	6.1	5.4	4.8	66
68	6.1	6.5	5.2	5.5	5.3	5.3	4.9	4.5	68
70	5.4	5.9	4.6	4.9	4.7	4.7	4.2	4.3	70
72	4.8	5.3	4.1	4.3	4.1	4.1	3.7	4.0	72
74		4.7	3.6	3.7	3.6	3.6	3.2	3.4	74
76		4.2	3.1	3.2	3.0	3.0	2.7	2.9	76
78		3.7	2.6	2.7	2.5	2.6	2.2	2.4	78
80			2.1	2.2	2.1	2.1	1.8	2.0	80
82			1.6	1.8	1.6	1.7	1.4	1.6	82
Code			2111111				2222211	2222221	Code
	1111110	1111111		2211111	2221111	2222111			
Parts of line	2	2	2	2	2	2	2	1	Parts of line
Hook block	40t	40t	40t	40t	40t	40t	40t	13.5t	Hook block


40°
V 20m
T81.8m
18.5m
10.5m
26.5m
(主臂71.6m)
Boom
150
140
130
120
110
100
90
80
70
60
50
40
30
20
10
LIFTING HEIGHT m
0
10
20
30
40
50
60
70
80
90
100
110
Working radius/m

m	46.2-71.6m T ٤٦.٢+٢٠m	26.159m.2m ٥١.٣+٢٠m	40 ٥٦.٤+٢٠m	9.216m×8.53m ٦١.٤+٢٠m	100t 360° ٦٦.٥+٢٠m	100t ٧١.٦+٢٠m	20m V	m
30 32	2.3	2.3						30 32
34 36	2.2	2.3	2.4	2.5				34 36
38 40	2.2	2.2	2.3	2.3	2.3			38 40
42 44	2.1	2.1	2.2	2.2	2.3	2.3		42 44
46 48	2.1	2.1	2.1	2.2	2.3	2.2		46 48
50	2.1	2.1	2.1	2.1	2.1	2.2		50
52	2.0	2.0	2.1	2.1	2.1	2.2		52
54 56	2.0	2.0	2.0	2.1	2.1	2.1		54 56
58 60	2.0	2.0	2.0	2.0	2.0	2.1		58 60
62 64	1.9	2.0	2.0	2.0	2.0	2.1		62 64
66 68	1.9	1.9	2.0	2.0	2.0	2.0		66 68
70 72	1.9	1.9	1.9	2.0	2.0	2.0		70 72
74	1.8	1.8	1.9	1.9	1.9	2.0		74
76 78	1.8	1.8	1.9	1.9	1.9	2.0		76 78
80 82	1.8	1.8	1.8	1.9	1.9	1.9		80 82
84 86	1.8	1.7	1.8	1.8	1.8	1.9		84 86
88 90	1.7	1.7	1.8	1.8	1.8	1.9		88 90
92	1.7	1.7	1.8	1.8	1.8	1.8		92
Code	1.7	1.7	1.8	1.8	1.8	1.8		Code
Parts of line	1.7	1.7	1.7	1.8	1.8	1.8		Parts of line
	1.6	1.7	1.7	1.7	1.8	1.8		
	1.6	1.7	1.7	1.7	1.7	1.8		
	1.6	1.6	1.7	1.7	1.7	1.8		
	1.6	1.6	1.6	1.7	1.7	1.7		
		1.6	1.6	1.7	1.7	1.7		
		1.6	1.6	1.6	1.7	1.7		
			1.6	1.6	1.7	1.7		
			1.6	1.6	1.7	1.7		
				1.6	1.6	1.6		
				1.6	1.6	1.6		
					1.6	1.6		
					1.5	1.5		
					2221111	2222111		
	1111110	1111111	2111111	2211111				
	1	1	1	1	1	1		
Hook block	13.5t	13.5t	13.5t	13.5t	13.5t	13.5t		Hook block

m	46.2-81.8m ٤٦.٢+٢٠m	18.159m.2m ٥١.٣+٢٠m	40 ٥٦.٤+٢٠m	9.216m×8.53m ٦١.٤+٢٠m	100t ٦٦.٥+٢٠m	100t ٧١.٦+٢٠m	20m V ٧٦.٧+٢٠m	٨١.٨+٢٠m	m
22	3.2								22
24	3.0	3.1	3.0						24
26	2.9	2.9	3.0	3.0					26
28	2.8	2.9	3.0	3.0	3.1	3.1			28
30	2.8	2.8	2.8	2.8	2.9	3.0	3.1		30
32	2.8	2.8	2.8	2.8	2.9	2.9	2.9		32
34	2.7	2.8	2.8	2.8	2.8	2.9	2.9	3.0	34
36	2.6	2.7	2.7	2.7	2.8	2.8	2.9	3.0	36
38	2.6	2.6	2.7	2.7	2.8	2.8	2.8	3.0	38
40	2.6	2.6	2.6	2.6	2.7	2.8	2.8	2.8	40
42	2.5	2.5	2.6	2.6	2.6	2.7	2.7	2.8	42
44	2.5	2.5	2.6	2.6	2.6	2.7	2.6	2.7	44
46	2.5	2.5	2.5	2.5	2.5	2.6	2.6	2.7	46
48	2.4	2.4	2.5	2.5	2.5	2.5	2.5	2.6	48
50	2.4	2.4	2.5	2.5	2.5	2.5	2.5	2.6	50
52	2.4	2.4	2.5	2.5	2.5	2.5	2.5	2.6	52
54	2.3	2.4	2.4	2.4	2.4	2.5	2.5	2.6	54
56	2.3	2.3	2.4	2.4	2.4	2.5	2.5	2.5	56
58	2.3	2.3	2.4	2.4	2.4	2.4	2.4	2.5	58
60	2.3	2.3	2.4	2.3	2.4	2.4	2.4	2.5	60
62	2.2	2.3	2.3	2.3	2.4	2.4	2.4	2.5	62
64	2.2	2.3	2.3	2.3	2.4	2.4	2.4	2.4	64
66	2.2	2.2	2.3	2.3	2.3	2.4	2.4	2.4	66
68	2.2	2.2	2.2	2.3	2.3	2.4	2.4	2.4	68
70		2.1	2.2	2.3	2.3	2.3	2.3	2.4	70
72		2.1	2.2	2.2	2.3	2.3	2.3	2.4	72
74			2.2	2.2	2.2	2.3	2.3	2.4	74
76				2.2	2.2	2.3	2.3	2.4	76
78				2.2	2.1	2.2	2.2	2.3	78
80				2.2	2.1	2.2	2.2	2.2	80
82					2.1	2.1	2.1	2.2	82
84						2.1	2.1	2.2	84
86						1.7	1.8	2.0	86
88							1.4	1.6	88
Code							2222211	2222221	Code
	1111110	1111111	2111111	2211111	2221111	2222111			
Parts of line	1	1	1	1	1	1	1	1	Parts of line
Hook block	13.5t	13.5t	13.5t	13.5t	13.5t	13.5t	13.5t	13.5t	Hook block

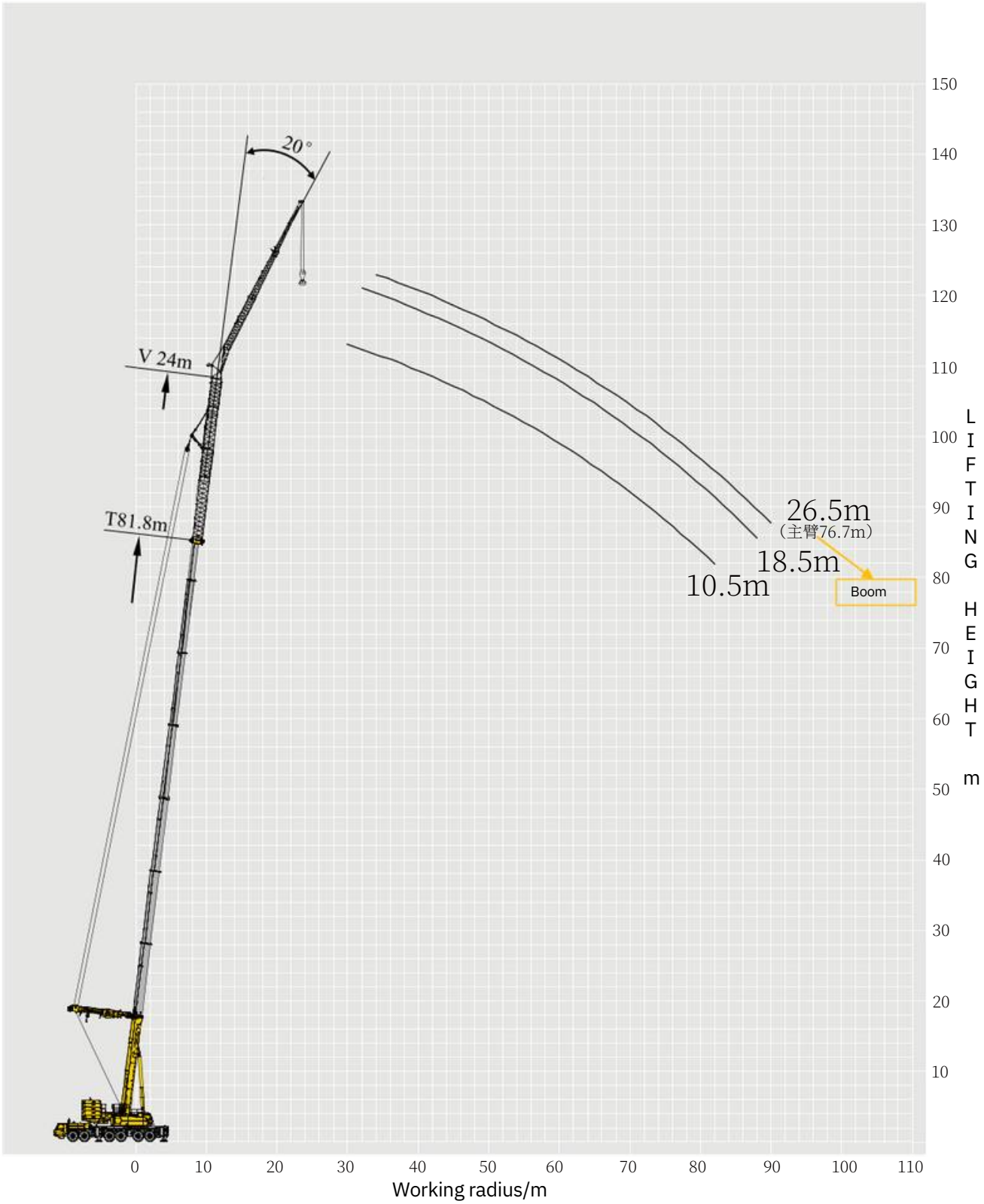
m	46.2-81.8m T ٤٦.٢+٢٠m	10.159m.2m ٥١.٣+٢٠m	40° ٥٦.٤+٢٠m	SL ٦١.٤+٢٠m	9.216m×8.53m ٦٦.٥+٢٠m	100t 360° ٧١.٦+٢٠m	100t ٧٦.٧+٢٠m	20m V ٨١.٨+٢٠m	m
18	11.0	10.8							18
20	10.6	10.6	10.3	10.3					20
22	10.3	10.3	10.3	10.1	10.1				22
24	9.9	10.1	9.9	9.8	9.9	10.0	9.7		24
26	9.7	9.8	9.9	9.6	9.7	9.7	9.5		26
28	9.5	9.4	9.4	9.4	9.5	9.5	9.3		28
30	9.2	9.4	9.4	9.3	9.3	9.3	9.3	8.8	30
32	9.0	9.2	9.2	9.2	9.3	9.2	9.1	8.8	32
34	8.8	8.9	9.0	8.9	9.0	9.1	9.0	8.6	34
36	8.6	8.7	8.7	8.7	8.8	9.0	8.9	8.6	36
38	8.5	8.5	8.7	8.6	8.8	8.9	8.8	8.4	38
40	8.3	8.5	8.5	8.5	8.6	8.6	8.6	8.3	40
42	8.1	8.2	8.3	8.3	8.3	8.5	8.6	8.3	42
44	7.9	8.0	8.2	8.3	8.3	8.4	8.4	8.0	44
46	7.8	8.0	8.0	8.1	8.1	8.3	8.3	7.8	46
48	7.7	7.8	8.0	8.0	8.1	8.2	8.2	7.4	48
50	7.6	7.5	7.8	7.8	7.9	8.0	8.1	7.2	50
52	7.4	7.5	7.7	7.8	7.8	8.0	8.0	6.9	52
54	7.3	7.5	7.5	7.6	7.8	7.8	7.8	6.7	54
56	7.0	7.3	7.5	7.6	7.7	7.8	7.7	6.3	56
58	7.0	7.3	7.3	7.3	7.6	7.8	7.3	6.0	58
60	6.9	6.8	7.0	7.1	7.4	7.3	6.9	5.7	60
62	6.7	6.8	6.9	6.9	7.1	7.0	6.5	5.5	62
64		6.8	6.7	6.3	6.3	6.3	6.2	5.2	64
66		6.6	6.1	5.7	5.6	5.6	5.6	5.0	66
68			5.4	5.1	4.9	5.0	5.2	4.6	68
70				4.5	4.3	4.4	4.5	4.3	70
72				3.9	3.8	3.8	4.0	3.9	72
74					3.2	3.3	3.4	3.7	74
76					2.7	2.8	2.9	3.1	76
78						2.3	2.4	2.7	78
80						1.8	2.0	2.2	80
82							1.5	1.8	82
84								1.4	84
Code	1111110	1111111	2111111	2211111	2221111	2222111	2222211	2222221	Code
Parts of line	1	1	1	1	1	1	1	1	Parts of line
Hook block	13.5t	13.5t	13.5t	13.5t	13.5t	13.5t	13.5t	13.5t	Hook block


V 24m
T81.8m
26.5m
26.5m
18.5m
101.85.m5m
10.5m
150
140
130
120
110
100
90
80
70
60
50
40
30
20
10
LIFTING HEIGHT m
0
10
20
30
40
50
60
70
80
90
100
110
Working radius/m

m	46.2-81.8m T ٤٦.٢+٢٤m	26.159m.2m ٥١.٣+٢٤m	0° SL ٥٦.٤+٢٤m	9.216m×8.53m ٦١.٤+٢٤m	100t 360° ٦٦.٥+٢٤m	100t ٧١.٦+٢٤m	24m V ٧٦.٧+٢٤m	٨١.٨+٢٤m	m
14	9.5								14
16	9.4	9.6							16
18	9.4	9.5	9.2	8.5					18
20	8.9	9.2	9.1	8.5	8.6				20
22	8.2	8.5	8.8	8.4	8.6	7.5	5.6		22
24	7.5	7.8	8.1	8.3	8.5	7.5	5.6		24
26	7	7.3	7.6	7.8	8.1	7.5	5.6	4.5	26
28	6.5	6.8	7	7.3	7.6	7.5	5.6	4.5	28
30	6	6.3	6.5	6.8	7.1	7.1	5.6	4.5	30
32	5.6	5.9	6.2	6.4	6.6	6.7	5.6	4.5	32
34	5.3	5.6	5.8	6	6.3	6.4	5.6	4.5	34
36	5	5.3	5.5	5.7	5.9	6.1	5.6	4.5	36
38	4.7	5	5.2	5.4	5.7	5.7	5.6	4.4	38
40	4.5	4.7	5	5.1	5.3	5.5	5.5	4.4	40
42	4.2	4.5	4.7	4.9	5.1	5.3	5.4	4.4	42
44	4.1	4.2	4.5	4.6	4.8	5	5.1	4.4	44
46	3.8	4.1	4.2	4.4	4.7	4.8	4.9	4.4	46
48	3.7	3.9	4.1	4.3	4.5	4.7	4.7	4.4	48
50	3.5	3.7	4	4.1	4.3	4.4	4.5	4.4	50
52	3.4	3.6	3.7	3.9	4.1	4.3	4.3	4.3	52
54	3.3	3.5	3.6	3.8	4	4.2	4.2	4.2	54
56	3.2	3.3	3.5	3.6	3.8	3.9	4.1	4.1	56
58	3	3.1	3.4	3.5	3.7	3.8	4	4.1	58
60	2.8	3	3.2	3.4	3.6	3.7	3.8	4	60
62	2.8	2.9	3	3.3	3.5	3.6	3.7	3.9	62
64	2.6	2.8	3	3.1	3.3	3.4	3.6	3.7	64
66	2.6	2.7	2.8	3	3.2	3.3	3.5	3.6	66
68	2.4	2.6	2.8	2.9	3	3.2	3.4	3.5	68
70	2.4	2.5	2.6	2.8	3	3.1	3.3	3.4	70
72	2.3	2.5	2.6	2.7	2.9	2.9	3.2	3.2	72
74	2.3	2.4	2.5	2.6	2.7	2.8	3	3.1	74
76	2.1	2.3	2.5	2.5	2.7	2.7	2.8	3	76
78	2.1	2.2	2.4	2.4	2.5	2.5	2.7	2.7	78
80	2	2.2	2.3	2.3	2.4	2.4	2.5	2.6	80
82	2	2.2	2.3	2.2	2.3	2.3	2.3	2.5	82
84	1.9	2	2.1	2.1	2	1.9	1.9	2.3	84
86	1.8	1.9	2	2	1.7	1.5	1.5	2	86
88	1.7	1.8	1.9	1.6				1.6	88
90	1.7	1.8	1.8						90
92		1.8	1.5						92
94		1.7							94
Code		1111111							Code
	1111110	1	2111111	2211111	2221111	2222111	2222211	2222221	
Parts of line	1		1	1	1	1	1	1	Parts of line
Hook block	13.5t	13.5t	13.5t	13.5t	13.5t	13.5t	13.5t	13.5t	Hook block

m	46.2-81.8m T ٤٦.٢+٢٤m	18.159m.2m ٥١.٣+٢٤m	0° ٥٦.٤+٢٤m	SL	9.216m×8.53m ٦١.٤+٢٤m	100t 360° ٦٦.٥+٢٤m	100t ٧١.٦+٢٤m	24m V ٧٦.٧+٢٤m	٨١.٨+٢٤m	m
12	12.3									12
14	12.3	11.5	11.6							14
16	12.2	11.5	11.5	11.1						16
18	11.7	11.4	11.4	11.1	11.1					18
20	10.6	11.2	11.2	11	11	11.5				20
22	9.6	9.9	10.6	10.8	11	11.3				22
24	8.8	9.2	9.8	10.2	10.5	10.9	8.4	5.5		24
26	8.1	8.4	9	9.3	9.8	10	8.4	5.5		26
28	7.6	8	8.3	8.7	9.1	9.3	8.4	5.5		28
30	7	7.3	7.7	8.1	8.6	8.8	8.4	5.5		30
32	6.5	6.8	7.2	7.6	8.1	8.3	8.2	5.5		32
34	6.1	6.5	6.8	7.2	7.6	7.8	7.9	5.5		34
36	5.8	6.1	6.5	6.8	7.1	7.3	7.4	5.5		36
38	5.5	5.8	6.1	6.4	6.8	7	7.1	5.5		38
40	5.1	5.5	5.8	6.1	6.4	6.6	6.7	5.5		40
42	4.9	5.2	5.6	5.8	6.1	6.4	6.4	5.5		42
44	4.7	5	5.3	5.6	5.8	6	6.2	5.5		44
46	4.5	4.7	5.1	5.3	5.6	5.7	5.9	5.5		46
48	4.3	4.6	4.8	5.1	5.3	5.5	5.7	5.5		48
50	4.2	4.3	4.6	4.8	5.1	5.3	5.4	5.5		50
52	3.9	4.2	4.4	4.7	4.9	5.1	5.3	5.4		52
54	3.8	4	4.3	4.5	4.7	4.9	5.1	5.1		54
56	3.7	3.8	4.1	4.3	4.5	4.7	4.9	5		56
58	3.5	3.7	3.9	4.2	4.4	4.6	4.8	4.9		58
60	3.3	3.6	3.8	4.1	4.3	4.4	4.6	4.7		60
62	3.2	3.5	3.6	3.8	4.2	4.2	4.4	4.5		62
64	3.1	3.4	3.5	3.7	4	4.1	4.3	4.4		64
66	3	3.3	3.4	3.6	3.9	4	4.1	4.2		66
68	2.9	3.2	3.3	3.5	3.8	3.8	3.9	4.1		68
70	2.8	3	3.2	3.4	3.7	3.7	3.7	3.9		70
72	2.8	2.9	3	3.2	3.5	3.5	3.6	3.7		72
74	2.7	2.8	3	3.1	3.3	3.3	3.4	3.5		74
76	2.5	2.7	2.9	3	3.1	3	3	3.1		76
78	2.5	2.6	2.8	2.7	2.7	2.6	2.6	2.7		78
80	2.4	2.5	2.6	2.5	2.3	2.2	2.2	2.3		80
82	2.3	2.4	2.5	2.1	1.9	1.8	1.8	1.9		82
84		2.4	2.2	1.8	1.5	1.4	1.4	1.5		84
86		2.4	1.9	1.4						86
88		2.3	1.5							88
Code		1111111	2111111							Code
	1111110	1	1	2211111	2221111	2222111	2222211	2222221		
Parts of line	1			1	1	1	1	1		Parts of line
Hook block	13.5t	13.5t	13.5t	13.5t	13.5t	13.5t	13.5t	13.5t		Hook block

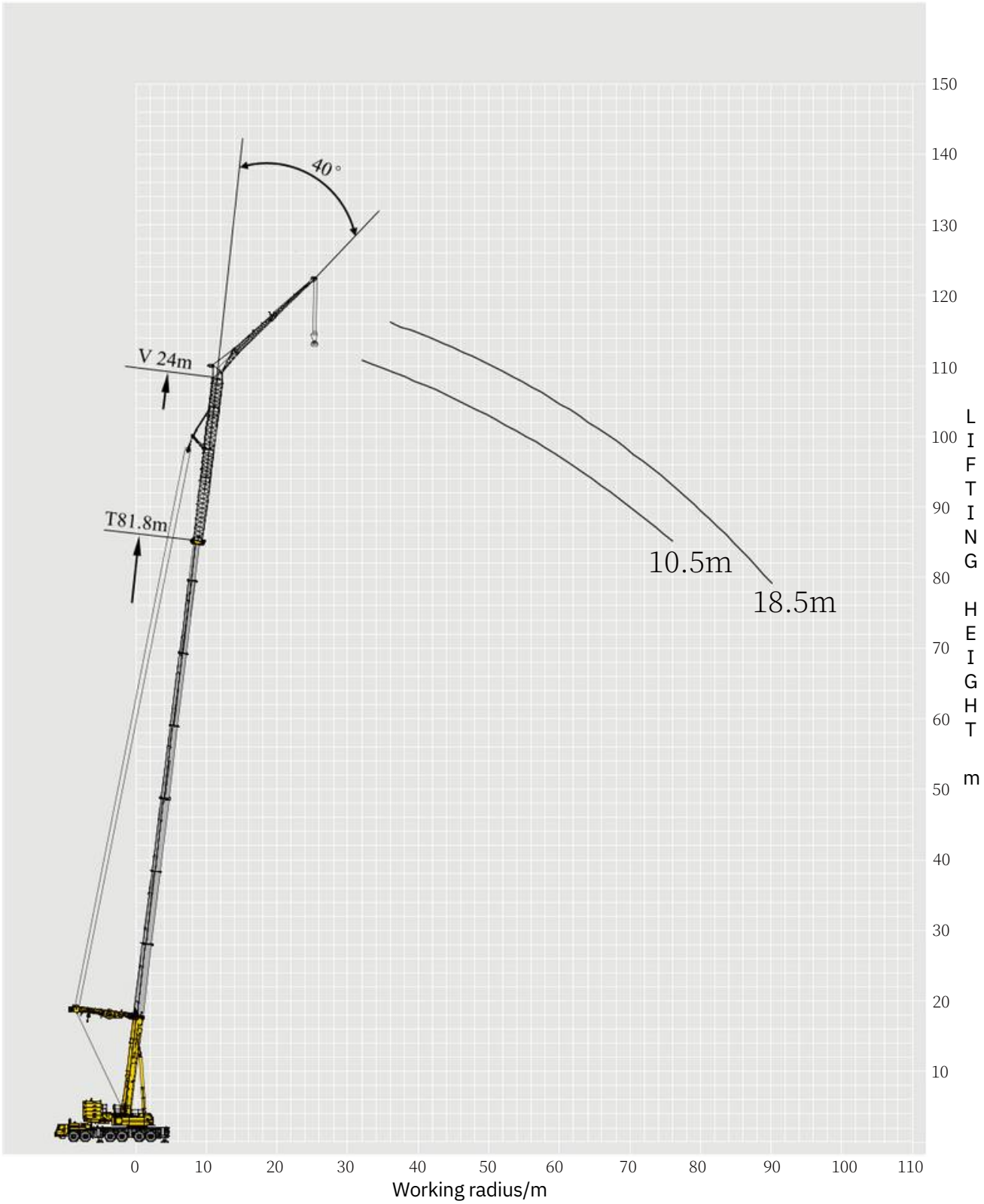
m	46.2-81.8m T ٤٦.٢+٢٤m	10.159m.2m ٥١.٣+٢٤m	0° ٥٦.٤+٢٤m	SL	9.216m×8.53m ٦١.٤+٢٤m	100t 360° ٦٦.٥+٢٤m	100t ٧١.٦+٢٤m	24m V ٧٦.٧+٢٤m	٨١.٨+٢٤m	m
10	26.3									10
12	26.3	24.4								12
14	23.8	23.6	23.1							14
16	23	22.8	22.3	21.7						16
18	22.4	22.2	21.4	20.9	20.8					18
20	21.5	21.3	20.4	20	20	19.4				20
22	20.2	20	19.9	19.8	19.4	18.8				22
24	18.8	19	19	18.9	18.8	18.2	18.2			24
26	17.8	18	18.1	18.2	18.5	18.1	17.3			26
28	16.9	17.1	17.2	17.4	17.6	17.3	16.1	9.5		28
30	15.9	16.2	16.3	16.6	16.8	16.8	15.4	9.5		30
32	15	15.2	15.8	15.7	16.3	15.9	14.7	9.5		32
34	14.5	14.6	14.9	15.1	15.4	15.5	14	9.5		34
36	13.6	14	14.4	14.6	14.9	14.8	13.4	9.5		36
38	13	13.4	13.5	14	14.2	14.3	12.6	9.3		38
40	12.6	12.8	13	13.5	13.8	13.6	11.6	8.9		40
42	12.3	12.4	12.6	13	13.3	13.2	11	8.5		42
44	11.9	12.1	12.3	12.6	12.8	12.7	10.5	8.2		44
46	11.4	11.6	12.2	12.3	12.4	12.3	10	8.2		46
48	10.9	11.1	11.7	11.9	12.3	11.9	9.5	7.4		48
50	10.4	10.8	11.3	11.4	11.4	11.4	9	7.1		50
52	10.2	10.4	10.8	10.5	10.5	10.6	8.5	6.8		52
54	9.7	9.9	10.3	9.5	9.5	9.6	8	6.5		54
56	9.2		9.5					6.2		56
58	8.7	9.6	8.6	8.8	8.	8.	7.5	5.8		58
60	8.1	9.1	7.6	8	6	6	7.2	5.5		60
62	7.2	8.3	6.9	7.2	7.	7.	6.8	5.3		62
64	6.7	7.7	6.3	6.3	7	7	6.5	5		64
66	6	7	5.6	5.8	6.	6.	5.6	4.7		66
68	5.4	6.3	5	5.2	9	9	5	4.4		68
70	4.9	5.8	4.5	4.6	6.	6.	4.4	4		70
72	4.4	5.2	4	4	2	2	3.8	3.5		72
74	3.8	4.7	3.5	3.5	5.	5.	3.3	3		74
76	1.8	4.2	3	3	6	5	2.8	2.5		76
78		3.7	2.6	2.6	4.	4.	2.4	2.1		78
80		3.3	2.2	2.1	9	9	1.9	1.7		80
82		2.9	1.8	1.7	4.	4.	1.5	1.3		82
84			1.4	1.3	4	3				84
Code			2111111		3.	3.				Code
	1111110	1111111	2	2211111	2221111	2222111	2222211	2222221		
Parts of line	2	2		2	3	2	2	1		Parts of line
Hook block	40t	40t	40t	40t	40t	40t	40t	13.5t		Hook block


20°
V 24m
T81.8m
26.5m
（主臂76.7m）
18.5m
10.5m
Boom
150
140
130
120
110
100
90
80
70
60
50
40
30
20
10
LIFTING HEIGHT m
0
10
20
30
40
50
60
70
80
90
100
110
Working radius/m

m	46.2-76.7m T ٤٦.٢+٢٤m	26.159m.2m ٥١.٣+٢٤m	20 SL ٥٦.٤+٢٤m	9.216m×8.53m ٦١.٤+٢٤m	100t 360° ٦٦.٥+٢٤m	100t ٧١.٦+٢٤m	24m V ٧٦.٧+٢٤m	m
22	3.8							22
24	3.7	3.7						24
26	3.6	3.6	3.5					26
28	3.5	3.5	3.5	3.5	3.5			28
30	3.3	3.4	3.4	3.5	3.5			30
32	3.2	3.3	3.4	3.4	3.5	3.4		32
34	3	3.1	3.3	3.3	3.4	3.4	3.5	34
36	3	3	3.1	3.2	3.3	3.3	3.4	36
38	2.8	2.9	3	3.1	3.1	3.2	3.4	38
40	2.8	2.8	2.9	3	3	3.1	3.2	40
42	2.6	2.7	2.8	2.9	3	3	3	42
44	2.6	2.6	2.8	2.8	2.8	2.9	3	44
46	2.5	2.6	2.6	2.7	2.8	2.9	2.8	46
48	2.5	2.5	2.6	2.6	2.6	2.7	2.8	48
50	2.3	2.5	2.5	2.5	2.6	2.7	2.8	50
52	2.3	2.4	2.5	2.5	2.6	2.7	2.7	52
54	2.3	2.3	2.4	2.5	2.5	2.5	2.6	54
56	2.2	2.3	2.3	2.4	2.5	2.5	2.5	56
58	2.2	2.2	2.3	2.3	2.5	2.4	2.5	58
60	2.1	2.2	2.2	2.3	2.3	2.4	2.5	60
62	2.1	2.1	2.2	2.3	2.3	2.3	2.4	62
64	2	2.1	2.1	2.2	2.3	2.3	2.4	64
66	2	2.1	2.1	2.1	2.2	2.2	2.3	66
68	1.9	2	2	2.1	2.2	2.2	2.3	68
70	1.9	1.9	2	2.1	2.2	2.2	2.3	70
72	1.9	1.9	2	2.1	2.1	2.2	2.2	72
74	1.8	1.9	2	2	2.1	2.2	2.2	74
76	1.8	1.9	2	2	2	2	2.2	76
78	1.8	1.8	1.9	2	2	2	2.1	78
80	1.8	1.8	1.8	2	2	2	2.1	80
82	1.7	1.8	1.8	1.9	1.9	2	2	82
84	1.7	1.8	1.8	1.8	1.9	1.8	1.9	84
86	1.6	1.7	1.7	1.8	1.8	1.8	1.9	86
88	1.6	1.7	1.7	1.7	1.7	1.7	1.8	88
90	1.6	1.6	1.6	1.7	1.7	1.6	1.7	90
92		1.6	1.6	1.6				92
94		1.6	1.6					94
96								96
Code								Code
	1111110	1111111	2111111	2211111	2221111	2222111	2222211	
Parts of line	1	1	1	1	1	1	1	Parts of line
Hook block	13.5t	13.5t	13.5t	13.5t	13.5t	13.5t	13.5t	Hook block

m	46.2-81.8m T ٤٦.٢+٢٤m	18.159m.2m ٥١.٣+٢٤m	20 SL ٥٦.٤+٢٤m	9.216m×8.53m ٦١.٤+٢٤m	100t 360° ٦٦.٥+٢٤m	100t ٧١.٦+٢٤m	24m V ٧٦.٧+٢٤m	٨١.٨+٢٤m	m
18	5.1	4.9							18
20	4.8	4.7	4.6						20
22	4.7	4.6	4.5	4.6					22
24	4.4	4.5	4.4	4.5	4.6				24
26	4.2	4.3	4.3	4.4	4.5	4.4			26
28	4.1	4.2	4.2	4.3	4.4	4.3	4.4		28
30	4	4.1	4.1	4.2	4.2	4.2	4.3		30
32	3.8	3.9	4	4.1	4.1	4.1	4.3	4.2	32
34	3.7	3.7	3.9	4	4	4	4.2	4.1	34
36	3.6	3.6	3.8	3.8	3.9	3.9	4.1	4.1	36
38	3.5	3.5	3.7	3.7	3.8	3.8	4	4	38
40	3.4	3.4	3.5	3.6	3.6	3.7	3.9	3.9	40
42	3.3	3.4	3.4	3.5	3.6	3.6	3.7	3.8	42
44	3.2	3.3	3.3	3.4	3.5	3.5	3.6	3.7	44
46	3.1	3.2	3.2	3.4	3.4	3.5	3.5	3.6	46
48	2.9	3	3.2	3.3	3.3	3.4	3.4	3.5	48
50	2.9	3	3.1	3.2	3.3	3.3	3.4	3.5	50
52	2.9	3	3	3.1	3.2	3.3	3.3	3.4	52
54	2.7	2.8	2.9	3.1	3.1	3.2	3.2	3.3	54
56	2.7	2.8	2.9	2.9	3.1	3.1	3.2	3.3	56
58	2.7	2.7	2.8	2.9	2.9	3.1	3.1	3.2	58
60	2.6	2.7	2.8	2.8	2.9	3	3.1	3.2	60
62	2.6	2.6	2.7	2.8	2.9	3	3	3.1	62
64	2.5	2.6	2.7	2.7	2.8	2.8	3	3.1	64
66	2.5	2.6	2.6	2.7	2.8	2.8	2.9	3	66
68	2.5	2.5	2.6	2.6	2.7	2.8	2.8	3	68
70	2.4	2.5	2.5	2.6	2.7	2.7	2.8	2.9	70
72	2.4	2.4	2.5	2.6	2.7	2.7	2.7	2.9	72
74	2.3	2.4	2.5	2.5	2.5	2.6	2.7	2.8	74
76	2.3	2.4	2.5	2.5	2.5	2.6	2.6	2.7	76
78	2.2	2.3	2.4	2.3	2.4	2.5	2.5	2.6	78
80	2.2	2.3	2.3	2.2	2.3	2.4	2.4	2.5	80
82	2.2	2.2	2.2	2.1	2.2	2.3	2.3	2.4	82
84		2.2	2.2	1.8	2	2	2	2.2	84
86			2	1.4	1.6	1.6	1.7	1.8	86
88			1.8	2211111				1.4	88
Code			2111111	1				2222221	Code
	1111110	1111111	1		2221111	2222111	2222211	1	
Parts of line	1	1			1	1	1		Parts of line
Hook block	13.5t	13.5t	13.5t	13.5t	13.5t	13.5t	13.5t	13.5t	Hook block

m	46.2-81.8m T ٤٦.٢+٢٤m	10.159m.2m ٥١.٣+٢٤m	20 ٥٦.٤+٢٤m	SL 9.216m×8.53m ٦١.٤+٢٤m	100t 360° ٦٦.٥+٢٤m	100t ٧١.٦+٢٤m	24m V ٧٦.٧+٢٤m	٨١.٨+٢٤m	m
14	18								14
16	17.1	17.3							16
18	16.2	16.4	16						18
20	15.8	15.5	15.4	15.2					20
22	15.4	15	14.8	14.7	14.5				22
24	14.9	14.6	14.3	14.6	14.1	14.1			24
26	14	14.1	14.2	14.1	13.7	13.6	13		26
28	13.5	13.6	13.7	13.6	13.6	13.2	12.6		28
30	13	13.1	13.2	13.2	13.2	12.8	12.2	9.8	30
32	12.6	12.7	12.8	12.7	12.7	12.7	11.9	9.4	32
34	12.3	12.3	12.4	12.5	12.4	12.4	11.6	9.2	34
36	11.8	11.9	12.1	12.1	12.2	12.3	11.5	8.9	36
38	11.4	11.5	11.6	11.8	12	12	11.1	8.4	38
40	11.1	11.2	11.4	11.4	11.5	11.7	10.7	8.1	40
42	10.7	10.8	10.9	11.1	11.3	11.3	10.3	7.8	42
44	10.2	10.5	10.6	10.7	10.8	11	9.9	7.4	44
46	9.9	10.1	10.2	10.4	10.6	10.7	9.6	7.1	46
48	9.7	9.8	10	10.2	10.3	10.4	9.3	6.9	48
50	9.2	9.6	9.7	9.8	10.2	10.1	9	6.6	50
52	9	9.3	9.3	9.4	9.7	9.9	8.7	6.4	52
54	8.7	8.8	9	9.2	9.5	9.6	8.3	6.2	54
56	8.5	8.7	8.8	9	9.1	9.4	8	5.9	56
58	8.2	8.3	8.5	8.6	8.6	8.6	7.6	5.7	58
60	8		8.3					5.6	60
62	7.7	8.2	7.6	7.9	7.	7.	7.	5.3	62
64	7	8	6.7	7.2	6	6	2	5	64
66	6.4	7.6	6.1	6.4	6.	6.	6.	4.8	66
68	5.7	6.7	5.4	5.7	8	8	8	4.5	68
70	5.1	6.1	4.9	5	6.	6.	6.	4.3	70
72	4.6	5.5	4.3	4.5	1	1	3	4.1	72
74	4	5	3.8	3.9	5.	5.	5.	3.4	74
76		4.4	3.3	3.4	4	4	5	3	76
78		3.9	2.8	2.9	4.	4.	4.	2.5	78
80		3.4	2.4	2.4	8	8	9	2.1	80
82		2.7	1.9	2	4.	4.	4.	1.7	82
84			1.5	1.6	3	2	3		84
Code			2111111		3.	3.	3.		Code
	1111110	1111111	2	2211111	7	7	8	2222221	
Parts of line	2	2		2	2221111	2222111	2222211	1	Parts of line
Hook block	40t	40t	40t	40t	3.	3.	3.	13.5t	Hook block
					2	2	1		
					40t	40t	13.5t		
					2	2	2		
					7	7	8		
					2.	2.	2.		
					3	2	3		
					1.	1.	1.		
					8	8	9		
					1	1	1.		
					4	4	5		


40°
V 24m
T81.8m
10.5m
18.5m
150
140
130
120
110
100
90
80
70
60
50
40
30
20
10
LIFTING HEIGHT m
0
10
20
30
40
50
60
70
80
90
100
110
Working radius/m

m	46.2-81.8m T ٤٦.٢+٢٤m	18.159m.2m ٥١.٣+٢٤m	40 ٥٦.٤+٢٤m	SL 9.216m×8.53m ٦١.٤+٢٤m	100t 360° ٦٦.٥+٢٤m	100t ٧١.٦+٢٤m	24m V ٧٦.٧+٢٤m	٨١.٨+٢٤m	m
24	3.1	3							24
26	2.9	3							26
28	2.9	2.9	3						28
30	2.8	2.8	3	3.	3.1				30
32	2.8	2.8	2.8	1	2.9	3			32
34	2.8	2.8	2.8	2.	2.9	2.9			34
36	2.7	2.8	2.8	9	2.9	2.9	3		36
38	2.6	2.7	2.6	2.	2.8	2.8	2.9	3.1	38
40	2.6	2.6	2.6	9	2.8	2.8	2.8	3.1	40
42	2.6	2.6	2.6	2.	2.7	2.8	2.8	3.1	42
44	2.5	2.6	2.6	8	2.6	2.7	2.7	2.9	44
46	2.5	2.5	2.6	2.	2.6	2.7	2.7	2.9	46
48	2.5	2.5	2.5	8	2.5	2.7	2.7	2.9	48
50	2.4	2.5	2.5	2.	2.5	2.6	2.7	2.7	50
52	2.4	2.5	2.5	8	2.5	2.6	2.7	2.7	52
54	2.4	2.4	2.5	2.	2.5	2.5	2.5	2.7	54
56	2.4	2.4	2.4	7	2.5	2.5	2.5	2.6	56
58	2.4	2.4	2.4	2.	2.5	2.5	2.5	2.6	58
60	2.3	2.4	2.4	6	2.5	2.5	2.5	2.6	60
62	2.3	2.3	2.3	2.	2.4	2.5	2.5	2.6	62
64	2.3	2.3	2.3	6	2.4	2.4	2.5	2.5	64
66	2.2	2.3	2.3	2.	2.4	2.4	2.4	2.5	66
68	2.2	2.2	2.3	5	2.4	2.4	2.4	2.5	68
70	2.2	2.2	2.3	2.	2.3	2.4	2.4	2.5	70
72		2.2	2.2	5	2.3	2.3	2.4	2.5	72
74		2.2	2.2	2.	2.3	2.3	2.3	2.5	74
76			2.2	5	2.2	2.2	2.3	2.4	76
78			2.2	2.	2.2	2.2	2.3	2.4	78
80			2.2	5	2.1	2.2	2.2	2.4	80
82				2.	2.1	2.1	2.2	2.3	82
84				5	2	2.1	2.1	2.3	84
86				2.	1.9	1.9	2	2.3	86
88				4	1.4	1.5	1.6	2.1	88
90				2.				1.7	90
Code				4				1.4	Code
	1111110	1111111	2111111	2211111	2221111	2222111	2222211	2222221	
Parts of line	1	1	1	1	1	1	1	1	Parts of line
Hook block	13.5t	13.5t	13.5t	13.5t	13.5t	13.5t	13.5t	13.5t	Hook block

m	46.2-81.8m T ٤٦.٢+٢٤m	10.159m.2m ٥١.٣+٢٤m	40 ٥٦.٤+٢٤m	SL 9.216m×8.53m ٦١.٤+٢٤m	100t 360° ٦٦.٥+٢٤m	100t ٧١.٦+٢٤m	24m V ٧٦.٧+٢٤m	٨١.٨+٢٤m	m
18	11.4								18
20	11.4	11.4	11.4						20
22	11.4	11.2	11.3	10.9					22
24	11.3	11	11.1	10.9	11.4				24
26	11.3	11	11	10.9	11.2	11.2			26
28	10.9	10.9	10.9	10.8	11	11.1			28
30	10.9	10.9	10.9	10.6	11	10.9	10.4		30
32	10.9	10.7	10.7	10.6	10.7	10.8	10.4	8.6	32
34	10.6	10.6	10.6	10.5	10.6	10.8	10.2	8.4	34
36	10.4	10.4	10.5	10.5	10.6	10.6	10	8.2	36
38	10.1	10.2	10.3	10.2	10.5	10.4	10	7.9	38
40	9.9	10	10	10.1	10.2	10.2	9.9	7.6	40
42	9.7	9.7	9.8	9.8	10	9.9	9.6	7.3	42
44	9.4	9.3	9.5	9.6	9.8	9.7	9.3	7	44
46	9	9.2	9.3	9.3	9.5	9.5	9	6.7	46
48	8.9	9	9.1	9.1	9.3	9.2	8.7	6.5	48
50	8.7	8.7	8.8	9	9.1	9	8.4	6.2	50
52	8.5	8.5	8.6	8.7	8.8	8.9	8.1	6	52
54	8.2	8.3	8.3	8.5	8.7	8.8	7.9	5.8	54
56	8	8	8.2	8.3	8.6	8.5	7.6	5.6	56
58	7.5	7.9	8.1	8.2	8.3	8.2	7.3	5.4	58
60	7.5	7.7	7.9	7.9	8.1	7.9	7.1	5.2	60
62	7.2	7.5	7.5	7.4	7.2	7.2	6.7	5.1	62
64	7.1	7.2	7	6.6	6.4	6.3	6.3	4.9	64
66		7.1	6.3	5.9	5.8	5.8	5.9	4.7	66
68		6.3	5.6	5.3	5.1	5.1	5.2	4.6	68
70			5	4.7	4.5	4.5	4.6	4.4	70
72			4.4	4.1	4	4	4.1	4.1	72
74				3.6	3.4	3.4	3.5	3.7	74
76				3	2.9	2.9	3	3.3	76
78					2.4	2.4	2.5	2.7	78
80					1.9	2	2.1	2.3	80
82						1.5	1.7	1.9	82
84								1.4	84
Code								2222221	Code
	1111110	1111111	2111111	2211111	2221111	2222111	2222211	1	
Parts of line	1	1	1	1	1	1	1		Parts of line
Hook block	13.5t	13.5t	13.5t	13.5t	13.5t	13.5t	13.5t	13.5t	Hook block

Type	Item		Unit	Parameter	
Dimensions	Dimensions (L×W×H)		mm	17540×3000×4000	
	Axle spacing		mm	1650+3530+1650+2440+1650	
	Track (front/rear)		mm	2540	
	Front overhang/rear overhang		mm	2689/2675	
	Front extension/rear extension		mm	1256/0	
Weight	Maximum permissible weight		kg	72000	
	Axle load Axle load	Axle 1	kg	12000	
		Axle 2	kg	12000	
		Axle 3 Axle 4	kg	12000	
		Axle 5	kg	12000	
		Axle 6	kg	12000	
			kg	12000	
Power	Engine model		——	(Chassis) WP13.550E62	(Superstructure) WP7G300E473
	Rated power/rotation speed		kW (r/min)	405/1900	221/2200
	Max. net power/rotation speed		kW (r/min)	400/1900	221/2200
	Maximum output torque/ rotation speed		N.m (r/min)	2500/ (950-1400)	1200/ (1400-1600)
Travel	Max. travel speed		km/h	80	
	Min. stable travel speed		km/h	2	
	Min. turning diameter		m	23.3	
	Minimum ground clearance		mm	370	
	Approach angle		°	18	
	Departure angle		°	12	
	Braking distance (initial speed at 30 km/h)		m	≤10	
	Max. grade ability		%	50	
	Fuel consumption per 100 km		L	95	
Noise	Exterior noise level when accelerating		dB(A)	≤84	
	Noise level at seated position		dB(A)	≤90	

Type	Item			Unit	Parameter
Main performance	Maximum rated lifting capacity			t	500
	Minimum rated working radius			m	2.4
	Turning radius at turntable tail			mm	3920
	Maximum load moment	Base boom		kN.m	12000
		Fully-extended boom		kN.m	4640
	Outrigger span	Longitudinal		m	9.216
		Lateral		m	8.53/7.064/5.56
	Lifting height	Boom		m	16.9
		Fully-extended boom		m	92
		Fully-extended boom + jib		m	131
	Boom length	Boom		m	15.6
		Fully-extended boom		m	93.1
		Fully-extended boom + jib		m	132.3
Working speed	Time for raising boom			s	≤100
	Time for fully extending the boom			s	≤1340
	Max. slewing speed			r/min	1.3
	Time for extending / retracting the outriggers	Outrigger beam	Retract	s	≤40
			Extend	s	≤60
		Outrigger jack	Up	s	≤80
			Down	s	≤110
	Hoisting speed (single line, at outermost layer, no load)	Main winch system:		m/min	≥125
Noise	Exterior noise level			dB(A)	≤124
	Noise level at seated position			dB(A)	≤90

Regular decals

	Superstructure		Chassis
	Lifting capacity		Axle
	Boom length (m)		Travel speed
	Working radius		Grade ability
	Boom angle		Tires
	Lifting height of boom		Outriggers
	Fixed jib length		Hook block
	Jib offset angle		Counterweight
	Jib lifting height		Winch
	Independent jib head or wind power jib		360°operation of the boom
	Luffing jib		Super lift
V	Extension		

Notes:

1. This manual is for reference only, and all information is for illustration only. It should not be relied on to operate the crane. For correct crane operating instructions, please refer to the operation manual and rated lifting load manual.
2. The load capacity values in the tables are stated in t, which are the maximum total load capacity of the crane on a stable and even surface under the current boom length and radius, including the weight of hooks and riggings. The weight of the above devices must be subtracted during lifting operations.
3. The working radius is the horizontal gravity center distance of the load from the rotational axis of the crane superstructure measured at the ground.
4. Observe the boom angle limit. Never operate the crane with the boom angle beyond the recommended limit even if load is not being carried.
5. A lifting operation is permissible only when the wind force is below grade 5 (instantaneous wind speed of 14.1 m/s, wind pressure of 125N/㎡).

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