



# BARGE "CBC 385"

## INNAGE TRIM TABLE

|        | 1 FT.      |              | 2 FT.      |              | 3 FT.      |              | 4 FT.      |              | 5 FT.      |              | 6 FT.      |              |
|--------|------------|--------------|------------|--------------|------------|--------------|------------|--------------|------------|--------------|------------|--------------|
|        | <u>BOW</u> | <u>STERN</u> | <u>BOW</u> | <u>STERN</u> | <u>BOW</u> | <u>STERN</u> | <u>BOW</u> | <u>STERN</u> | <u>BOW</u> | <u>STERN</u> | <u>BOW</u> | <u>STERN</u> |
| 1 PORT | 00-0/8     | - 00-0/8     | 00-1/8     | - 00-1/8     | 00-1/8     | - 00-1/8     | 00-1/4     | - 00-1/4     | 00-1/4     | - 00-1/4     | 00-1/4     | - 00-1/4     |
| 1 STBD | 00-0/8     | - 00-0/8     | 00-1/8     | - 00-1/8     | 00-1/8     | - 00-1/8     | 00-1/4     | - 00-1/4     | 00-1/4     | - 00-1/4     | 00-1/4     | - 00-1/4     |
| 2 PORT | 00-0/8     | - 00-0/8     | 00-1/8     | - 00-1/8     | 00-1/8     | - 00-1/8     | 00-1/4     | - 00-1/4     | 00-1/4     | - 00-1/4     | 00-1/4     | - 00-1/4     |
| 2 STBD | 00-0/8     | - 00-0/8     | 00-1/8     | - 00-1/8     | 00-1/8     | - 00-1/8     | 00-1/4     | - 00-1/4     | 00-1/4     | - 00-1/4     | 00-1/4     | - 00-1/4     |
| 3 PORT | - 00-1/2   | 00-1/2       | - 01-1/8   | 01-1/8       | - 01-5/8   | 01-5/8       | - 02-1/4   | 02-1/4       | - 02-3/4   | 02-3/4       | - 03-3/8   | 03-3/8       |
| 3 STBD | - 00-1/2   | 00-1/2       | - 01-1/8   | 01-1/8       | - 01-5/8   | 01-5/8       | - 02-1/4   | 02-1/4       | - 02-3/4   | 02-3/4       | - 03-3/8   | 03-3/8       |

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

FWD. DRAFT = 4'-00"  
 AFT DRAFT = 6'-00"  
 DIFF. = 2'-00" (DOWN BY STERN)

THE CORRECTION FOR 2'-00" TRIM DOWN BY STERN FOR 1 PORT IS - 00-1/8"  
 FOR A MEASURED INNAGE GAUGE OF 4'-00" ON 1 PORT, THE TRIM CORRECTED INNAGE IS 3'-11 7/8"

LENGTH BETWEEN DRAFT MARKS: 253'-09"

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PRECISION MEASUREMENT  
 & ANALYSIS, INC.  
 P.O. Box 2092  
 Pearland, Texas 77588

<http://www.pmacorp.net>



# BARGE "CBC 385"

## 1 PORT INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-08 1/4"

| IN  | 0 FT.  | IN  | 1 FT.  | IN  | 2 FT.  | IN  | 3 FT.  | IN  | 4 FT.  | IN  | 5 FT.  | IN  | 6 FT.   | IN  | 7 FT.   | IN  | 8 FT.   | IN  | 9 FT.   |
|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|---------|-----|---------|-----|---------|-----|---------|
| 0   | 965    | 0   | 15,237 | 0   | 30,470 | 0   | 45,693 | 0   | 60,917 | 0   | 76,150 | 0   | 91,384  | 0   | 106,618 | 0   | 121,847 | 0   | 137,076 |
| 1/4 | 1,150  | 1/4 | 15,554 | 1/4 | 30,788 | 1/4 | 46,010 | 1/4 | 61,234 | 1/4 | 76,468 | 1/4 | 91,702  | 1/4 | 106,935 | 1/4 | 122,165 | 1/4 | 137,393 |
| 1/2 | 1,335  | 1/2 | 15,872 | 1/2 | 31,105 | 1/2 | 46,327 | 1/2 | 61,551 | 1/2 | 76,785 | 1/2 | 92,019  | 1/2 | 107,253 | 1/2 | 122,482 | 1/2 | 137,710 |
| 3/4 | 1,520  | 3/4 | 16,189 | 3/4 | 31,422 | 3/4 | 46,644 | 3/4 | 61,869 | 3/4 | 77,103 | 3/4 | 92,336  | 3/4 | 107,570 | 3/4 | 122,799 | 3/4 | 138,027 |
| 1   | 1,705  | 1   | 16,507 | 1   | 31,740 | 1   | 46,961 | 1   | 62,186 | 1   | 77,420 | 1   | 92,654  | 1   | 107,887 | 1   | 123,116 | 1   | 138,345 |
| 1/4 | 1,943  | 1/4 | 16,824 | 1/4 | 32,057 | 1/4 | 47,278 | 1/4 | 62,504 | 1/4 | 77,737 | 1/4 | 92,971  | 1/4 | 108,205 | 1/4 | 123,434 | 1/4 | 138,662 |
| 1/2 | 2,181  | 1/2 | 17,141 | 1/2 | 32,374 | 1/2 | 47,594 | 1/2 | 62,821 | 1/2 | 78,055 | 1/2 | 93,288  | 1/2 | 108,522 | 1/2 | 123,751 | 1/2 | 138,979 |
| 3/4 | 2,419  | 3/4 | 17,459 | 3/4 | 32,692 | 3/4 | 47,911 | 3/4 | 63,138 | 3/4 | 78,372 | 3/4 | 93,606  | 3/4 | 108,840 | 3/4 | 124,068 | 3/4 | 139,296 |
| 2   | 2,657  | 2   | 17,776 | 2   | 33,009 | 2   | 48,228 | 2   | 63,456 | 2   | 78,689 | 2   | 93,923  | 2   | 109,157 | 2   | 124,385 | 2   | 139,614 |
| 1/4 | 2,948  | 1/4 | 18,093 | 1/4 | 33,326 | 1/4 | 48,545 | 1/4 | 63,773 | 1/4 | 79,007 | 1/4 | 94,241  | 1/4 | 109,474 | 1/4 | 124,703 | 1/4 | 139,931 |
| 1/2 | 3,239  | 1/2 | 18,411 | 1/2 | 33,644 | 1/2 | 48,862 | 1/2 | 64,090 | 1/2 | 79,324 | 1/2 | 94,558  | 1/2 | 109,792 | 1/2 | 125,020 | 1/2 | 140,248 |
| 3/4 | 3,529  | 3/4 | 18,728 | 3/4 | 33,961 | 3/4 | 49,179 | 3/4 | 64,408 | 3/4 | 79,642 | 3/4 | 94,875  | 3/4 | 110,109 | 3/4 | 125,337 | 3/4 | 140,565 |
| 3   | 3,820  | 3   | 19,045 | 3   | 34,279 | 3   | 49,496 | 3   | 64,725 | 3   | 79,959 | 3   | 95,193  | 3   | 110,426 | 3   | 125,655 | 3   | 140,883 |
| 1/4 | 4,136  | 1/4 | 19,363 | 1/4 | 34,596 | 1/4 | 49,812 | 1/4 | 65,043 | 1/4 | 80,276 | 1/4 | 95,510  | 1/4 | 110,744 | 1/4 | 125,972 | 1/4 | 141,200 |
| 1/2 | 4,452  | 1/2 | 19,680 | 1/2 | 34,913 | 1/2 | 50,129 | 1/2 | 65,360 | 1/2 | 80,594 | 1/2 | 95,827  | 1/2 | 111,061 | 1/2 | 126,289 | 1/2 | 141,517 |
| 3/4 | 4,768  | 3/4 | 19,997 | 3/4 | 35,231 | 3/4 | 50,446 | 3/4 | 65,677 | 3/4 | 80,911 | 3/4 | 96,145  | 3/4 | 111,378 | 3/4 | 126,606 | 3/4 | 141,834 |
| 4   | 5,084  | 4   | 20,315 | 4   | 35,548 | 4   | 50,763 | 4   | 65,995 | 4   | 81,228 | 4   | 96,462  | 4   | 111,695 | 4   | 126,924 | 4   | 142,152 |
| 1/4 | 5,401  | 1/4 | 20,632 | 1/4 | 35,865 | 1/4 | 51,080 | 1/4 | 66,312 | 1/4 | 81,546 | 1/4 | 96,779  | 1/4 | 112,013 | 1/4 | 127,241 | 1/4 | 142,469 |
| 1/2 | 5,717  | 1/2 | 20,950 | 1/2 | 36,183 | 1/2 | 51,397 | 1/2 | 66,629 | 1/2 | 81,863 | 1/2 | 97,097  | 1/2 | 112,330 | 1/2 | 127,558 | 1/2 | 142,786 |
| 3/4 | 6,034  | 3/4 | 21,267 | 3/4 | 36,500 | 3/4 | 51,714 | 3/4 | 66,947 | 3/4 | 82,180 | 3/4 | 97,414  | 3/4 | 112,647 | 3/4 | 127,875 | 3/4 | 143,103 |
| 5   | 6,351  | 5   | 21,584 | 5   | 36,817 | 5   | 52,030 | 5   | 67,264 | 5   | 82,498 | 5   | 97,732  | 5   | 112,964 | 5   | 128,193 | 5   | 143,421 |
| 1/4 | 6,669  | 1/4 | 21,902 | 1/4 | 37,135 | 1/4 | 52,348 | 1/4 | 67,581 | 1/4 | 82,815 | 1/4 | 98,049  | 1/4 | 113,282 | 1/4 | 128,510 | 1/4 | 143,738 |
| 1/2 | 6,986  | 1/2 | 22,219 | 1/2 | 37,452 | 1/2 | 52,665 | 1/2 | 67,899 | 1/2 | 83,133 | 1/2 | 98,366  | 1/2 | 113,599 | 1/2 | 128,827 | 1/2 | 144,055 |
| 3/4 | 7,303  | 3/4 | 22,536 | 3/4 | 37,769 | 3/4 | 52,982 | 3/4 | 68,216 | 3/4 | 83,450 | 3/4 | 98,684  | 3/4 | 113,916 | 3/4 | 129,144 | 3/4 | 144,372 |
| 6   | 7,621  | 6   | 22,854 | 6   | 38,087 | 6   | 53,300 | 6   | 68,534 | 6   | 83,767 | 6   | 99,001  | 6   | 114,233 | 6   | 129,462 | 6   | 144,690 |
| 1/4 | 7,938  | 1/4 | 23,171 | 1/4 | 38,404 | 1/4 | 53,617 | 1/4 | 68,851 | 1/4 | 84,085 | 1/4 | 99,318  | 1/4 | 114,551 | 1/4 | 129,779 | 1/4 | 145,007 |
| 1/2 | 8,255  | 1/2 | 23,488 | 1/2 | 38,722 | 1/2 | 53,935 | 1/2 | 69,168 | 1/2 | 84,402 | 1/2 | 99,636  | 1/2 | 114,868 | 1/2 | 130,096 | 1/2 | 145,324 |
| 3/4 | 8,573  | 3/4 | 23,806 | 3/4 | 39,039 | 3/4 | 54,252 | 3/4 | 69,486 | 3/4 | 84,719 | 3/4 | 99,953  | 3/4 | 115,185 | 3/4 | 130,413 | 3/4 | 145,641 |
| 7   | 8,890  | 7   | 24,123 | 7   | 39,356 | 7   | 54,569 | 7   | 69,803 | 7   | 85,037 | 7   | 100,271 | 7   | 115,502 | 7   | 130,731 | 7   | 145,959 |
| 1/4 | 9,207  | 1/4 | 24,440 | 1/4 | 39,673 | 1/4 | 54,887 | 1/4 | 70,120 | 1/4 | 85,354 | 1/4 | 100,588 | 1/4 | 115,820 | 1/4 | 131,048 | 1/4 | 146,276 |
| 1/2 | 9,525  | 1/2 | 24,758 | 1/2 | 39,990 | 1/2 | 55,204 | 1/2 | 70,438 | 1/2 | 85,672 | 1/2 | 100,905 | 1/2 | 116,137 | 1/2 | 131,365 | 1/2 | 146,593 |
| 3/4 | 9,842  | 3/4 | 25,075 | 3/4 | 40,307 | 3/4 | 55,521 | 3/4 | 70,755 | 3/4 | 85,989 | 3/4 | 101,223 | 3/4 | 116,454 | 3/4 | 131,682 | 3/4 | 146,910 |
| 8   | 10,159 | 8   | 25,393 | 8   | 40,624 | 8   | 55,839 | 8   | 71,073 | 8   | 86,306 | 8   | 101,540 | 8   | 116,771 | 8   | 132,000 | 8   | 147,228 |
| 1/4 | 10,477 | 1/4 | 25,710 | 1/4 | 40,940 | 1/4 | 56,156 | 1/4 | 71,390 | 1/4 | 86,624 | 1/4 | 101,857 | 1/4 | 117,089 | 1/4 | 132,317 | 1/4 | 147,545 |
| 1/2 | 10,794 | 1/2 | 26,027 | 1/2 | 41,257 | 1/2 | 56,474 | 1/2 | 71,707 | 1/2 | 86,941 | 1/2 | 102,175 | 1/2 | 117,406 | 1/2 | 132,634 | 1/2 | 147,862 |
| 3/4 | 11,111 | 3/4 | 26,345 | 3/4 | 41,574 | 3/4 | 56,791 | 3/4 | 72,025 | 3/4 | 87,258 | 3/4 | 102,492 | 3/4 | 117,723 | 3/4 | 132,951 | 3/4 | 148,179 |
| 9   | 11,429 | 9   | 26,662 | 9   | 41,891 | 9   | 57,108 | 9   | 72,342 | 9   | 87,576 | 9   | 102,809 | 9   | 118,040 | 9   | 133,269 | 9   | 148,497 |
| 1/4 | 11,746 | 1/4 | 26,979 | 1/4 | 42,208 | 1/4 | 57,426 | 1/4 | 72,659 | 1/4 | 87,893 | 1/4 | 103,127 | 1/4 | 118,358 | 1/4 | 133,586 | 1/4 | 148,814 |
| 1/2 | 12,064 | 1/2 | 27,297 | 1/2 | 42,525 | 1/2 | 57,743 | 1/2 | 72,977 | 1/2 | 88,210 | 1/2 | 103,444 | 1/2 | 118,675 | 1/2 | 133,903 | 1/2 | 149,131 |
| 3/4 | 12,381 | 3/4 | 27,614 | 3/4 | 42,842 | 3/4 | 58,060 | 3/4 | 73,294 | 3/4 | 88,528 | 3/4 | 103,762 | 3/4 | 118,992 | 3/4 | 134,220 | 3/4 | 149,448 |
| 10  | 12,698 | 10  | 27,931 | 10  | 43,158 | 10  | 58,378 | 10  | 73,611 | 10  | 88,845 | 10  | 104,079 | 10  | 119,309 | 10  | 134,538 | 10  | 149,766 |
| 1/4 | 13,016 | 1/4 | 28,249 | 1/4 | 43,475 | 1/4 | 58,695 | 1/4 | 73,929 | 1/4 | 89,163 | 1/4 | 104,396 | 1/4 | 119,627 | 1/4 | 134,855 | 1/4 | 150,083 |
| 1/2 | 13,333 | 1/2 | 28,566 | 1/2 | 43,792 | 1/2 | 59,012 | 1/2 | 74,246 | 1/2 | 89,480 | 1/2 | 104,714 | 1/2 | 119,944 | 1/2 | 135,172 | 1/2 | 150,400 |
| 3/4 | 13,650 | 3/4 | 28,883 | 3/4 | 44,109 | 3/4 | 59,330 | 3/4 | 74,564 | 3/4 | 89,797 | 3/4 | 105,031 | 3/4 | 120,261 | 3/4 | 135,489 | 3/4 | 150,717 |
| 11  | 13,968 | 11  | 29,201 | 11  | 44,426 | 11  | 59,647 | 11  | 74,881 | 11  | 90,115 | 11  | 105,348 | 11  | 120,578 | 11  | 135,807 | 11  | 151,035 |
| 1/4 | 14,285 | 1/4 | 29,518 | 1/4 | 44,743 | 1/4 | 59,965 | 1/4 | 75,198 | 1/4 | 90,432 | 1/4 | 105,666 | 1/4 | 120,896 | 1/4 | 136,124 | 1/4 | 151,352 |
| 1/2 | 14,602 | 1/2 | 29,836 | 1/2 | 45,060 | 1/2 | 60,282 | 1/2 | 75,516 | 1/2 | 90,749 | 1/2 | 105,983 | 1/2 | 121,213 | 1/2 | 136,441 | 1/2 | 151,669 |
| 3/4 | 14,920 | 3/4 | 30,153 | 3/4 | 45,376 | 3/4 | 60,599 | 3/4 | 75,833 | 3/4 | 91,067 | 3/4 | 106,301 | 3/4 | 121,530 | 3/4 | 136,758 | 3/4 | 151,987 |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP LIP OF 2" "HERMETIC" VALVE

GAUGE POINT: (HERMETIC) LOCATED 10'-09" OFF CENTERLINE AND 42'-03" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



# BARGE "CBC 385"

## 1 PORT INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-08 1/4"

| IN  | 10 FT.  | IN  | 11 FT.  | IN  | 12 FT.  | IN  | 13 FT.  | IN  | 14 FT.  | IN  | 15 FT. | IN  | 16 FT. | IN  | 17 FT. | IN  | 18 FT. | IN  | 19 FT. |
|-----|---------|-----|---------|-----|---------|-----|---------|-----|---------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|
| 0   | 152,304 | 0   | 167,532 | 0   | 182,760 | 0   | 197,988 | 0   | 213,152 | 0   |        | 0   |        | 0   |        | 0   |        | 0   |        |
| 1/4 | 152,621 | 1/4 | 167,849 | 1/4 | 183,077 | 1/4 | 198,305 | 1/4 | 213,465 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 152,938 | 1/2 | 168,166 | 1/2 | 183,395 | 1/2 | 198,623 | 1/2 | 213,778 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 153,256 | 3/4 | 168,484 | 3/4 | 183,712 | 3/4 | 198,940 | 3/4 | 214,091 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 1   | 153,573 | 1   | 168,801 | 1   | 184,029 | 1   | 199,257 | 1   | 214,404 | 1   |        | 1   |        | 1   |        | 1   |        | 1   |        |
| 1/4 | 153,890 | 1/4 | 169,118 | 1/4 | 184,346 | 1/4 | 199,573 | 1/4 | 214,717 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 154,207 | 1/2 | 169,435 | 1/2 | 184,664 | 1/2 | 199,889 | 1/2 | 215,030 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 154,525 | 3/4 | 169,753 | 3/4 | 184,981 | 3/4 | 200,205 | 3/4 | 215,344 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 2   | 154,842 | 2   | 170,070 | 2   | 185,298 | 2   | 200,521 | 2   | 215,657 | 2   |        | 2   |        | 2   |        | 2   |        | 2   |        |
| 1/4 | 155,159 | 1/4 | 170,387 | 1/4 | 185,615 | 1/4 | 200,837 | 1/4 | 215,970 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 155,476 | 1/2 | 170,704 | 1/2 | 185,933 | 1/2 | 201,153 | 1/2 | 216,283 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 155,794 | 3/4 | 171,022 | 3/4 | 186,250 | 3/4 | 201,469 | 3/4 | 216,596 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 3   | 156,111 | 3   | 171,339 | 3   | 186,567 | 3   | 201,785 | 3   | 216,909 | 3   |        | 3   |        | 3   |        | 3   |        | 3   |        |
| 1/4 | 156,428 | 1/4 | 171,656 | 1/4 | 186,884 | 1/4 | 202,101 | 1/4 | 217,222 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 156,745 | 1/2 | 171,973 | 1/2 | 187,202 | 1/2 | 202,418 | 1/2 | 217,534 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 157,063 | 3/4 | 172,291 | 3/4 | 187,519 | 3/4 | 202,734 | 3/4 | 217,847 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 4   | 157,380 | 4   | 172,608 | 4   | 187,836 | 4   | 203,050 | 4   | 218,160 | 4   |        | 4   |        | 4   |        | 4   |        | 4   |        |
| 1/4 | 157,697 | 1/4 | 172,925 | 1/4 | 188,153 | 1/4 | 203,366 | 1/4 | 218,471 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 158,014 | 1/2 | 173,242 | 1/2 | 188,471 | 1/2 | 203,682 | 1/2 | 218,783 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 158,332 | 3/4 | 173,560 | 3/4 | 188,788 | 3/4 | 203,998 | 3/4 | 219,095 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 5   | 158,649 | 5   | 173,877 | 5   | 189,105 | 5   | 204,314 | 5   | 219,406 | 5   |        | 5   |        | 5   |        | 5   |        | 5   |        |
| 1/4 | 158,966 | 1/4 | 174,194 | 1/4 | 189,422 | 1/4 | 204,630 | 1/4 | 219,693 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 159,283 | 1/2 | 174,511 | 1/2 | 189,740 | 1/2 | 204,946 | 1/2 | 219,979 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 159,601 | 3/4 | 174,829 | 3/4 | 190,057 | 3/4 | 205,262 | 3/4 | 220,266 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 6   | 159,918 | 6   | 175,146 | 6   | 190,374 | 6   | 205,578 | 6   | 220,552 | 6   |        | 6   |        | 6   |        | 6   |        | 6   |        |
| 1/4 | 160,235 | 1/4 | 175,463 | 1/4 | 190,691 | 1/4 | 205,894 | 1/4 | 220,786 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 160,552 | 1/2 | 175,780 | 1/2 | 191,009 | 1/2 | 206,210 | 1/2 | 221,020 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 160,870 | 3/4 | 176,098 | 3/4 | 191,326 | 3/4 | 206,526 | 3/4 | 221,254 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 7   | 161,187 | 7   | 176,415 | 7   | 191,643 | 7   | 206,842 | 7   | 221,487 | 7   |        | 7   |        | 7   |        | 7   |        | 7   |        |
| 1/4 | 161,504 | 1/4 | 176,732 | 1/4 | 191,960 | 1/4 | 207,158 | 1/4 | 221,670 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 161,821 | 1/2 | 177,049 | 1/2 | 192,278 | 1/2 | 207,474 | 1/2 | 221,852 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 162,139 | 3/4 | 177,367 | 3/4 | 192,595 | 3/4 | 207,790 | 3/4 | 222,034 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 8   | 162,456 | 8   | 177,684 | 8   | 192,912 | 8   | 208,106 | 8   | 222,216 | 8   |        | 8   |        | 8   |        | 8   |        | 8   |        |
| 1/4 | 162,773 | 1/4 | 178,001 | 1/4 | 193,229 | 1/4 | 208,422 | 1/4 |         | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 163,090 | 1/2 | 178,319 | 1/2 | 193,547 | 1/2 | 208,738 | 1/2 |         | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 163,408 | 3/4 | 178,636 | 3/4 | 193,864 | 3/4 | 209,054 | 3/4 |         | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 9   | 163,725 | 9   | 178,953 | 9   | 194,181 | 9   | 209,370 | 9   |         | 9   |        | 9   |        | 9   |        | 9   |        | 9   |        |
| 1/4 | 164,042 | 1/4 | 179,270 | 1/4 | 194,498 | 1/4 | 209,686 | 1/4 |         | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 164,359 | 1/2 | 179,588 | 1/2 | 194,816 | 1/2 | 210,002 | 1/2 |         | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 164,677 | 3/4 | 179,905 | 3/4 | 195,133 | 3/4 | 210,319 | 3/4 |         | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 10  | 164,994 | 10  | 180,222 | 10  | 195,450 | 10  | 210,635 | 10  |         | 10  |        | 10  |        | 10  |        | 10  |        | 10  |        |
| 1/4 | 165,311 | 1/4 | 180,539 | 1/4 | 195,767 | 1/4 | 210,951 | 1/4 |         | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 165,628 | 1/2 | 180,857 | 1/2 | 196,085 | 1/2 | 211,267 | 1/2 |         | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 165,946 | 3/4 | 181,174 | 3/4 | 196,402 | 3/4 | 211,583 | 3/4 |         | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 11  | 166,263 | 11  | 181,491 | 11  | 196,719 | 11  | 211,899 | 11  |         | 11  |        | 11  |        | 11  |        | 11  |        | 11  |        |
| 1/4 | 166,580 | 1/4 | 181,808 | 1/4 | 197,036 | 1/4 | 212,212 | 1/4 |         | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 166,897 | 1/2 | 182,126 | 1/2 | 197,354 | 1/2 | 212,525 | 1/2 |         | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 167,215 | 3/4 | 182,443 | 3/4 | 197,671 | 3/4 | 212,839 | 3/4 |         | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/25/2013 CL  
CALCULATED: 06/25/2013 CL  
PRINTED: 06/26/2013 SW

CANCELS AND SUPERCEDES  
ALL PRIOR TO 06/2013

PRECISION MEASUREMENT  
& ANALYSIS, INC.  
P.O. Box 2092  
Pearland, Texas 77588  
<http://www.pmacorp.net>



# BARGE "CBC 385"

1 STBD

## INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-08 1/2"

| IN  | 0 FT.  | IN  | 1 FT.  | IN  | 2 FT.  | IN  | 3 FT.  | IN  | 4 FT.  | IN  | 5 FT.  | IN  | 6 FT.   | IN  | 7 FT.   | IN  | 8 FT.   | IN  | 9 FT.   |
|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|---------|-----|---------|-----|---------|-----|---------|
| 0   | 965    | 0   | 15,237 | 0   | 30,470 | 0   | 45,653 | 0   | 60,837 | 0   | 76,071 | 0   | 91,304  | 0   | 106,538 | 0   | 121,768 | 0   | 136,996 |
| 1/4 | 1,150  | 1/4 | 15,554 | 1/4 | 30,788 | 1/4 | 45,969 | 1/4 | 61,154 | 1/4 | 76,388 | 1/4 | 91,622  | 1/4 | 106,856 | 1/4 | 122,085 | 1/4 | 137,313 |
| 1/2 | 1,335  | 1/2 | 15,872 | 1/2 | 31,105 | 1/2 | 46,284 | 1/2 | 61,472 | 1/2 | 76,705 | 1/2 | 91,939  | 1/2 | 107,173 | 1/2 | 122,402 | 1/2 | 137,630 |
| 3/4 | 1,520  | 3/4 | 16,189 | 3/4 | 31,422 | 3/4 | 46,599 | 3/4 | 61,789 | 3/4 | 77,023 | 3/4 | 92,257  | 3/4 | 107,490 | 3/4 | 122,719 | 3/4 | 137,948 |
| 1   | 1,705  | 1   | 16,507 | 1   | 31,740 | 1   | 46,914 | 1   | 62,106 | 1   | 77,340 | 1   | 92,574  | 1   | 107,808 | 1   | 123,037 | 1   | 138,265 |
| 1/4 | 1,943  | 1/4 | 16,824 | 1/4 | 32,057 | 1/4 | 47,229 | 1/4 | 62,424 | 1/4 | 77,658 | 1/4 | 92,891  | 1/4 | 108,125 | 1/4 | 123,354 | 1/4 | 138,582 |
| 1/2 | 2,181  | 1/2 | 17,141 | 1/2 | 32,374 | 1/2 | 47,545 | 1/2 | 62,741 | 1/2 | 77,975 | 1/2 | 93,209  | 1/2 | 108,442 | 1/2 | 123,671 | 1/2 | 138,899 |
| 3/4 | 2,419  | 3/4 | 17,459 | 3/4 | 32,692 | 3/4 | 47,860 | 3/4 | 63,059 | 3/4 | 78,292 | 3/4 | 93,526  | 3/4 | 108,760 | 3/4 | 123,988 | 3/4 | 139,217 |
| 2   | 2,657  | 2   | 17,776 | 2   | 33,009 | 2   | 48,175 | 2   | 63,376 | 2   | 78,610 | 2   | 93,843  | 2   | 109,077 | 2   | 124,306 | 2   | 139,534 |
| 1/4 | 2,948  | 1/4 | 18,093 | 1/4 | 33,326 | 1/4 | 48,490 | 1/4 | 63,693 | 1/4 | 78,927 | 1/4 | 94,161  | 1/4 | 109,395 | 1/4 | 124,623 | 1/4 | 139,851 |
| 1/2 | 3,239  | 1/2 | 18,411 | 1/2 | 33,644 | 1/2 | 48,805 | 1/2 | 64,011 | 1/2 | 79,244 | 1/2 | 94,478  | 1/2 | 109,712 | 1/2 | 124,940 | 1/2 | 140,168 |
| 3/4 | 3,529  | 3/4 | 18,728 | 3/4 | 33,961 | 3/4 | 49,121 | 3/4 | 64,328 | 3/4 | 79,562 | 3/4 | 94,796  | 3/4 | 110,029 | 3/4 | 125,258 | 3/4 | 140,486 |
| 3   | 3,820  | 3   | 19,045 | 3   | 34,279 | 3   | 49,436 | 3   | 64,645 | 3   | 79,879 | 3   | 95,113  | 3   | 110,347 | 3   | 125,575 | 3   | 140,803 |
| 1/4 | 4,136  | 1/4 | 19,363 | 1/4 | 34,596 | 1/4 | 49,751 | 1/4 | 64,963 | 1/4 | 80,197 | 1/4 | 95,430  | 1/4 | 110,664 | 1/4 | 125,892 | 1/4 | 141,120 |
| 1/2 | 4,452  | 1/2 | 19,680 | 1/2 | 34,913 | 1/2 | 50,066 | 1/2 | 65,280 | 1/2 | 80,514 | 1/2 | 95,748  | 1/2 | 110,981 | 1/2 | 126,209 | 1/2 | 141,437 |
| 3/4 | 4,768  | 3/4 | 19,997 | 3/4 | 35,231 | 3/4 | 50,381 | 3/4 | 65,598 | 3/4 | 80,831 | 3/4 | 96,065  | 3/4 | 111,298 | 3/4 | 126,527 | 3/4 | 141,755 |
| 4   | 5,084  | 4   | 20,315 | 4   | 35,548 | 4   | 50,696 | 4   | 65,915 | 4   | 81,149 | 4   | 96,382  | 4   | 111,616 | 4   | 126,844 | 4   | 142,072 |
| 1/4 | 5,401  | 1/4 | 20,632 | 1/4 | 35,865 | 1/4 | 51,012 | 1/4 | 66,232 | 1/4 | 81,466 | 1/4 | 96,700  | 1/4 | 111,933 | 1/4 | 127,161 | 1/4 | 142,389 |
| 1/2 | 5,717  | 1/2 | 20,950 | 1/2 | 36,183 | 1/2 | 51,327 | 1/2 | 66,550 | 1/2 | 81,783 | 1/2 | 97,017  | 1/2 | 112,250 | 1/2 | 127,478 | 1/2 | 142,706 |
| 3/4 | 6,034  | 3/4 | 21,267 | 3/4 | 36,500 | 3/4 | 51,642 | 3/4 | 66,867 | 3/4 | 82,101 | 3/4 | 97,334  | 3/4 | 112,567 | 3/4 | 127,796 | 3/4 | 143,024 |
| 5   | 6,351  | 5   | 21,584 | 5   | 36,817 | 5   | 51,957 | 5   | 67,184 | 5   | 82,418 | 5   | 97,652  | 5   | 112,885 | 5   | 128,113 | 5   | 143,341 |
| 1/4 | 6,669  | 1/4 | 21,902 | 1/4 | 37,135 | 1/4 | 52,273 | 1/4 | 67,502 | 1/4 | 82,735 | 1/4 | 97,969  | 1/4 | 113,202 | 1/4 | 128,430 | 1/4 | 143,658 |
| 1/2 | 6,986  | 1/2 | 22,219 | 1/2 | 37,452 | 1/2 | 52,589 | 1/2 | 67,819 | 1/2 | 83,053 | 1/2 | 98,287  | 1/2 | 113,519 | 1/2 | 128,747 | 1/2 | 143,975 |
| 3/4 | 7,303  | 3/4 | 22,536 | 3/4 | 37,769 | 3/4 | 52,904 | 3/4 | 68,136 | 3/4 | 83,370 | 3/4 | 98,604  | 3/4 | 113,836 | 3/4 | 129,065 | 3/4 | 144,293 |
| 6   | 7,621  | 6   | 22,854 | 6   | 38,087 | 6   | 53,220 | 6   | 68,454 | 6   | 83,688 | 6   | 98,921  | 6   | 114,154 | 6   | 129,382 | 6   | 144,610 |
| 1/4 | 7,938  | 1/4 | 23,171 | 1/4 | 38,402 | 1/4 | 53,537 | 1/4 | 68,771 | 1/4 | 84,005 | 1/4 | 99,239  | 1/4 | 114,471 | 1/4 | 129,699 | 1/4 | 144,927 |
| 1/2 | 8,255  | 1/2 | 23,488 | 1/2 | 38,718 | 1/2 | 53,855 | 1/2 | 69,089 | 1/2 | 84,322 | 1/2 | 99,556  | 1/2 | 114,788 | 1/2 | 130,016 | 1/2 | 145,244 |
| 3/4 | 8,573  | 3/4 | 23,806 | 3/4 | 39,034 | 3/4 | 54,172 | 3/4 | 69,406 | 3/4 | 84,640 | 3/4 | 99,873  | 3/4 | 115,105 | 3/4 | 130,334 | 3/4 | 145,562 |
| 7   | 8,890  | 7   | 24,123 | 7   | 39,350 | 7   | 54,490 | 7   | 69,723 | 7   | 84,957 | 7   | 100,191 | 7   | 115,423 | 7   | 130,651 | 7   | 145,879 |
| 1/4 | 9,207  | 1/4 | 24,440 | 1/4 | 39,665 | 1/4 | 54,807 | 1/4 | 70,041 | 1/4 | 85,274 | 1/4 | 100,508 | 1/4 | 115,740 | 1/4 | 130,968 | 1/4 | 146,196 |
| 1/2 | 9,525  | 1/2 | 24,758 | 1/2 | 39,980 | 1/2 | 55,124 | 1/2 | 70,358 | 1/2 | 85,592 | 1/2 | 100,826 | 1/2 | 116,057 | 1/2 | 131,285 | 1/2 | 146,513 |
| 3/4 | 9,842  | 3/4 | 25,075 | 3/4 | 40,295 | 3/4 | 55,442 | 3/4 | 70,675 | 3/4 | 85,909 | 3/4 | 101,143 | 3/4 | 116,374 | 3/4 | 131,603 | 3/4 | 146,831 |
| 8   | 10,159 | 8   | 25,393 | 8   | 40,610 | 8   | 55,759 | 8   | 70,993 | 8   | 86,227 | 8   | 101,460 | 8   | 116,692 | 8   | 131,920 | 8   | 147,148 |
| 1/4 | 10,477 | 1/4 | 25,710 | 1/4 | 40,926 | 1/4 | 56,076 | 1/4 | 71,310 | 1/4 | 86,544 | 1/4 | 101,778 | 1/4 | 117,009 | 1/4 | 132,237 | 1/4 | 147,465 |
| 1/2 | 10,794 | 1/2 | 26,027 | 1/2 | 41,241 | 1/2 | 56,394 | 1/2 | 71,628 | 1/2 | 86,861 | 1/2 | 102,095 | 1/2 | 117,326 | 1/2 | 132,554 | 1/2 | 147,782 |
| 3/4 | 11,111 | 3/4 | 26,345 | 3/4 | 41,556 | 3/4 | 56,711 | 3/4 | 71,945 | 3/4 | 87,179 | 3/4 | 102,412 | 3/4 | 117,643 | 3/4 | 132,872 | 3/4 | 148,100 |
| 9   | 11,429 | 9   | 26,662 | 9   | 41,871 | 9   | 57,029 | 9   | 72,262 | 9   | 87,496 | 9   | 102,730 | 9   | 117,961 | 9   | 133,189 | 9   | 148,417 |
| 1/4 | 11,746 | 1/4 | 26,979 | 1/4 | 42,186 | 1/4 | 57,346 | 1/4 | 72,580 | 1/4 | 87,813 | 1/4 | 103,047 | 1/4 | 118,278 | 1/4 | 133,506 | 1/4 | 148,734 |
| 1/2 | 12,064 | 1/2 | 27,297 | 1/2 | 42,501 | 1/2 | 57,663 | 1/2 | 72,897 | 1/2 | 88,131 | 1/2 | 103,364 | 1/2 | 118,595 | 1/2 | 133,823 | 1/2 | 149,051 |
| 3/4 | 12,381 | 3/4 | 27,614 | 3/4 | 42,817 | 3/4 | 57,981 | 3/4 | 73,214 | 3/4 | 88,448 | 3/4 | 103,682 | 3/4 | 118,912 | 3/4 | 134,141 | 3/4 | 149,369 |
| 10  | 12,698 | 10  | 27,931 | 10  | 43,132 | 10  | 58,298 | 10  | 73,532 | 10  | 88,765 | 10  | 103,999 | 10  | 119,230 | 10  | 134,458 | 10  | 149,686 |
| 1/4 | 13,016 | 1/4 | 28,249 | 1/4 | 43,447 | 1/4 | 58,615 | 1/4 | 73,849 | 1/4 | 89,083 | 1/4 | 104,317 | 1/4 | 119,547 | 1/4 | 134,775 | 1/4 | 150,003 |
| 1/2 | 13,333 | 1/2 | 28,566 | 1/2 | 43,762 | 1/2 | 58,933 | 1/2 | 74,166 | 1/2 | 89,400 | 1/2 | 104,634 | 1/2 | 119,864 | 1/2 | 135,092 | 1/2 | 150,320 |
| 3/4 | 13,650 | 3/4 | 28,883 | 3/4 | 44,077 | 3/4 | 59,250 | 3/4 | 74,484 | 3/4 | 89,718 | 3/4 | 104,951 | 3/4 | 120,181 | 3/4 | 135,410 | 3/4 | 150,638 |
| 11  | 13,968 | 11  | 29,201 | 11  | 44,393 | 11  | 59,567 | 11  | 74,801 | 11  | 90,035 | 11  | 105,269 | 11  | 120,499 | 11  | 135,727 | 11  | 150,955 |
| 1/4 | 14,285 | 1/4 | 29,518 | 1/4 | 44,708 | 1/4 | 59,885 | 1/4 | 75,119 | 1/4 | 90,352 | 1/4 | 105,586 | 1/4 | 120,816 | 1/4 | 136,044 | 1/4 | 151,272 |
| 1/2 | 14,602 | 1/2 | 29,836 | 1/2 | 45,023 | 1/2 | 60,202 | 1/2 | 75,436 | 1/2 | 90,670 | 1/2 | 105,903 | 1/2 | 121,133 | 1/2 | 136,361 | 1/2 | 151,589 |
| 3/4 | 14,920 | 3/4 | 30,153 | 3/4 | 45,338 | 3/4 | 60,520 | 3/4 | 75,753 | 3/4 | 90,987 | 3/4 | 106,221 | 3/4 | 121,450 | 3/4 | 136,679 | 3/4 | 151,907 |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP LIP OF 2" "HERMETIC" VALVE

GAUGE POINT: (HERMETIC) LOCATED 10'-09" OFF CENTERLINE AND 42'-03" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



# BARGE "CBC 385"

**1 STBD**  
**INNAGE TABLE**

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-08 1/2"

| IN  | 10 FT.  | IN  | 11 FT.  | IN  | 12 FT.  | IN  | 13 FT.  | IN  | 14 FT.  | IN  | 15 FT. | IN  | 16 FT. | IN  | 17 FT. | IN  | 18 FT. | IN  | 19 FT. |
|-----|---------|-----|---------|-----|---------|-----|---------|-----|---------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|
| 0   | 152,224 | 0   | 167,452 | 0   | 182,680 | 0   | 197,908 | 0   | 213,072 | 0   |        | 0   |        | 0   |        | 0   |        | 0   |        |
| 1/4 | 152,541 | 1/4 | 167,769 | 1/4 | 182,998 | 1/4 | 198,226 | 1/4 | 213,385 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 152,859 | 1/2 | 168,087 | 1/2 | 183,315 | 1/2 | 198,543 | 1/2 | 213,698 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 153,176 | 3/4 | 168,404 | 3/4 | 183,632 | 3/4 | 198,860 | 3/4 | 214,011 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 1   | 153,493 | 1   | 168,721 | 1   | 183,949 | 1   | 199,177 | 1   | 214,324 | 1   |        | 1   |        | 1   |        | 1   |        | 1   |        |
| 1/4 | 153,810 | 1/4 | 169,038 | 1/4 | 184,267 | 1/4 | 199,493 | 1/4 | 214,637 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 154,128 | 1/2 | 169,356 | 1/2 | 184,584 | 1/2 | 199,809 | 1/2 | 214,951 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 154,445 | 3/4 | 169,673 | 3/4 | 184,901 | 3/4 | 200,125 | 3/4 | 215,264 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 2   | 154,762 | 2   | 169,990 | 2   | 185,218 | 2   | 200,442 | 2   | 215,577 | 2   |        | 2   |        | 2   |        | 2   |        | 2   |        |
| 1/4 | 155,079 | 1/4 | 170,307 | 1/4 | 185,536 | 1/4 | 200,758 | 1/4 | 215,890 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 155,397 | 1/2 | 170,625 | 1/2 | 185,853 | 1/2 | 201,074 | 1/2 | 216,203 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 155,714 | 3/4 | 170,942 | 3/4 | 186,170 | 3/4 | 201,390 | 3/4 | 216,516 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 3   | 156,031 | 3   | 171,259 | 3   | 186,487 | 3   | 201,706 | 3   | 216,829 | 3   |        | 3   |        | 3   |        | 3   |        | 3   |        |
| 1/4 | 156,348 | 1/4 | 171,576 | 1/4 | 186,805 | 1/4 | 202,022 | 1/4 | 217,142 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 156,666 | 1/2 | 171,894 | 1/2 | 187,122 | 1/2 | 202,338 | 1/2 | 217,454 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 156,983 | 3/4 | 172,211 | 3/4 | 187,439 | 3/4 | 202,654 | 3/4 | 217,767 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 4   | 157,300 | 4   | 172,528 | 4   | 187,756 | 4   | 202,970 | 4   | 218,080 | 4   |        | 4   |        | 4   |        | 4   |        | 4   |        |
| 1/4 | 157,617 | 1/4 | 172,845 | 1/4 | 188,074 | 1/4 | 203,286 | 1/4 | 218,391 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 157,935 | 1/2 | 173,163 | 1/2 | 188,391 | 1/2 | 203,602 | 1/2 | 218,703 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 158,252 | 3/4 | 173,480 | 3/4 | 188,708 | 3/4 | 203,918 | 3/4 | 219,015 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 5   | 158,569 | 5   | 173,797 | 5   | 189,025 | 5   | 204,234 | 5   | 219,326 | 5   |        | 5   |        | 5   |        | 5   |        | 5   |        |
| 1/4 | 158,886 | 1/4 | 174,114 | 1/4 | 189,343 | 1/4 | 204,550 | 1/4 | 219,613 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 159,204 | 1/2 | 174,432 | 1/2 | 189,660 | 1/2 | 204,866 | 1/2 | 219,899 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 159,521 | 3/4 | 174,749 | 3/4 | 189,977 | 3/4 | 205,182 | 3/4 | 220,186 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 6   | 159,838 | 6   | 175,066 | 6   | 190,294 | 6   | 205,498 | 6   | 220,473 | 6   |        | 6   |        | 6   |        | 6   |        | 6   |        |
| 1/4 | 160,155 | 1/4 | 175,383 | 1/4 | 190,612 | 1/4 | 205,814 | 1/4 | 220,706 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 160,473 | 1/2 | 175,701 | 1/2 | 190,929 | 1/2 | 206,130 | 1/2 | 220,940 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 160,790 | 3/4 | 176,018 | 3/4 | 191,246 | 3/4 | 206,446 | 3/4 | 221,174 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 7   | 161,107 | 7   | 176,335 | 7   | 191,563 | 7   | 206,762 | 7   | 221,408 | 7   |        | 7   |        | 7   |        | 7   |        | 7   |        |
| 1/4 | 161,424 | 1/4 | 176,652 | 1/4 | 191,881 | 1/4 | 207,078 | 1/4 | 221,590 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 161,742 | 1/2 | 176,970 | 1/2 | 192,198 | 1/2 | 207,394 | 1/2 | 221,772 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 162,059 | 3/4 | 177,287 | 3/4 | 192,515 | 3/4 | 207,710 | 3/4 | 221,954 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 8   | 162,376 | 8   | 177,604 | 8   | 192,832 | 8   | 208,026 | 8   | 222,136 | 8   |        | 8   |        | 8   |        | 8   |        | 8   |        |
| 1/4 | 162,693 | 1/4 | 177,921 | 1/4 | 193,150 | 1/4 | 208,342 | 1/4 |         | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 163,011 | 1/2 | 178,239 | 1/2 | 193,467 | 1/2 | 208,658 | 1/2 |         | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 163,328 | 3/4 | 178,556 | 3/4 | 193,784 | 3/4 | 208,974 | 3/4 |         | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 9   | 163,645 | 9   | 178,873 | 9   | 194,101 | 9   | 209,290 | 9   |         | 9   |        | 9   |        | 9   |        | 9   |        | 9   |        |
| 1/4 | 163,962 | 1/4 | 179,190 | 1/4 | 194,419 | 1/4 | 209,606 | 1/4 |         | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 164,280 | 1/2 | 179,508 | 1/2 | 194,736 | 1/2 | 209,923 | 1/2 |         | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 164,597 | 3/4 | 179,825 | 3/4 | 195,053 | 3/4 | 210,239 | 3/4 |         | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 10  | 164,914 | 10  | 180,142 | 10  | 195,370 | 10  | 210,555 | 10  |         | 10  |        | 10  |        | 10  |        | 10  |        | 10  |        |
| 1/4 | 165,231 | 1/4 | 180,459 | 1/4 | 195,688 | 1/4 | 210,871 | 1/4 |         | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 165,549 | 1/2 | 180,777 | 1/2 | 196,005 | 1/2 | 211,187 | 1/2 |         | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 165,866 | 3/4 | 181,094 | 3/4 | 196,322 | 3/4 | 211,503 | 3/4 |         | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 11  | 166,183 | 11  | 181,411 | 11  | 196,639 | 11  | 211,819 | 11  |         | 11  |        | 11  |        | 11  |        | 11  |        | 11  |        |
| 1/4 | 166,500 | 1/4 | 181,729 | 1/4 | 196,957 | 1/4 | 212,132 | 1/4 |         | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 166,818 | 1/2 | 182,046 | 1/2 | 197,274 | 1/2 | 212,446 | 1/2 |         | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 167,135 | 3/4 | 182,363 | 3/4 | 197,591 | 3/4 | 212,759 | 3/4 |         | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/25/2013 CL  
CALCULATED: 06/25/2013 CL  
PRINTED: 06/26/2013 SW

CANCELS AND SUPERCEDES  
ALL PRIOR TO 06/2013

PRECISION MEASUREMENT  
& ANALYSIS, INC.  
P.O. Box 2092  
Pearland, Texas 77588  
<http://www.pmacorp.net>



# BARGE "CBC 385"

## 2 PORT INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-08"

| IN  | 0 FT.  | IN  | 1 FT.  | IN  | 2 FT.  | IN  | 3 FT.  | IN  | 4 FT.  | IN  | 5 FT.  | IN  | 6 FT.   | IN  | 7 FT.   | IN  | 8 FT.   | IN  | 9 FT.   |
|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|---------|-----|---------|-----|---------|-----|---------|
| 0   | 961    | 0   | 15,186 | 0   | 30,368 | 0   | 45,539 | 0   | 60,711 | 0   | 75,894 | 0   | 91,076  | 0   | 106,259 | 0   | 121,437 | 0   | 136,614 |
| 1/4 | 1,146  | 1/4 | 15,502 | 1/4 | 30,684 | 1/4 | 45,855 | 1/4 | 61,028 | 1/4 | 76,210 | 1/4 | 91,392  | 1/4 | 106,575 | 1/4 | 121,753 | 1/4 | 136,930 |
| 1/2 | 1,330  | 1/2 | 15,818 | 1/2 | 31,000 | 1/2 | 46,171 | 1/2 | 61,344 | 1/2 | 76,526 | 1/2 | 91,709  | 1/2 | 106,891 | 1/2 | 122,069 | 1/2 | 137,246 |
| 3/4 | 1,515  | 3/4 | 16,135 | 3/4 | 31,316 | 3/4 | 46,487 | 3/4 | 61,660 | 3/4 | 76,843 | 3/4 | 92,025  | 3/4 | 107,207 | 3/4 | 122,385 | 3/4 | 137,562 |
| 1   | 1,699  | 1   | 16,451 | 1   | 31,633 | 1   | 46,802 | 1   | 61,977 | 1   | 77,159 | 1   | 92,341  | 1   | 107,524 | 1   | 122,701 | 1   | 137,878 |
| 1/4 | 1,936  | 1/4 | 16,767 | 1/4 | 31,949 | 1/4 | 47,118 | 1/4 | 62,293 | 1/4 | 77,475 | 1/4 | 92,658  | 1/4 | 107,840 | 1/4 | 123,018 | 1/4 | 138,194 |
| 1/2 | 2,174  | 1/2 | 17,083 | 1/2 | 32,265 | 1/2 | 47,434 | 1/2 | 62,609 | 1/2 | 77,792 | 1/2 | 92,974  | 1/2 | 108,156 | 1/2 | 123,334 | 1/2 | 138,511 |
| 3/4 | 2,411  | 3/4 | 17,400 | 3/4 | 32,582 | 3/4 | 47,750 | 3/4 | 62,925 | 3/4 | 78,108 | 3/4 | 93,290  | 3/4 | 108,473 | 3/4 | 123,650 | 3/4 | 138,827 |
| 2   | 2,648  | 2   | 17,716 | 2   | 32,898 | 2   | 48,066 | 2   | 63,242 | 2   | 78,424 | 2   | 93,607  | 2   | 108,789 | 2   | 123,966 | 2   | 139,143 |
| 1/4 | 2,938  | 1/4 | 18,032 | 1/4 | 33,214 | 1/4 | 48,381 | 1/4 | 63,558 | 1/4 | 78,740 | 1/4 | 93,923  | 1/4 | 109,105 | 1/4 | 124,282 | 1/4 | 139,459 |
| 1/2 | 3,228  | 1/2 | 18,349 | 1/2 | 33,530 | 1/2 | 48,697 | 1/2 | 63,874 | 1/2 | 79,057 | 1/2 | 94,239  | 1/2 | 109,422 | 1/2 | 124,599 | 1/2 | 139,775 |
| 3/4 | 3,518  | 3/4 | 18,665 | 3/4 | 33,847 | 3/4 | 49,013 | 3/4 | 64,191 | 3/4 | 79,373 | 3/4 | 94,555  | 3/4 | 109,738 | 3/4 | 124,915 | 3/4 | 140,092 |
| 3   | 3,807  | 3   | 18,981 | 3   | 34,163 | 3   | 49,329 | 3   | 64,507 | 3   | 79,689 | 3   | 94,872  | 3   | 110,054 | 3   | 125,231 | 3   | 140,408 |
| 1/4 | 4,122  | 1/4 | 19,297 | 1/4 | 34,479 | 1/4 | 49,644 | 1/4 | 64,823 | 1/4 | 80,006 | 1/4 | 95,188  | 1/4 | 110,370 | 1/4 | 125,547 | 1/4 | 140,724 |
| 1/2 | 4,437  | 1/2 | 19,614 | 1/2 | 34,796 | 1/2 | 49,960 | 1/2 | 65,140 | 1/2 | 80,322 | 1/2 | 95,504  | 1/2 | 110,687 | 1/2 | 125,863 | 1/2 | 141,040 |
| 3/4 | 4,752  | 3/4 | 19,930 | 3/4 | 35,112 | 3/4 | 50,276 | 3/4 | 65,456 | 3/4 | 80,638 | 3/4 | 95,821  | 3/4 | 111,003 | 3/4 | 126,180 | 3/4 | 141,356 |
| 4   | 5,067  | 4   | 20,246 | 4   | 35,428 | 4   | 50,592 | 4   | 65,772 | 4   | 80,955 | 4   | 96,137  | 4   | 111,319 | 4   | 126,496 | 4   | 141,673 |
| 1/4 | 5,382  | 1/4 | 20,563 | 1/4 | 35,744 | 1/4 | 50,908 | 1/4 | 66,088 | 1/4 | 81,271 | 1/4 | 96,453  | 1/4 | 111,635 | 1/4 | 126,812 | 1/4 | 141,989 |
| 1/2 | 5,698  | 1/2 | 20,879 | 1/2 | 36,061 | 1/2 | 51,223 | 1/2 | 66,405 | 1/2 | 81,587 | 1/2 | 96,770  | 1/2 | 111,951 | 1/2 | 127,128 | 1/2 | 142,305 |
| 3/4 | 6,014  | 3/4 | 21,195 | 3/4 | 36,377 | 3/4 | 51,539 | 3/4 | 66,721 | 3/4 | 81,903 | 3/4 | 97,086  | 3/4 | 112,267 | 3/4 | 127,444 | 3/4 | 142,621 |
| 5   | 6,330  | 5   | 21,511 | 5   | 36,693 | 5   | 51,855 | 5   | 67,037 | 5   | 82,220 | 5   | 97,402  | 5   | 112,584 | 5   | 127,760 | 5   | 142,937 |
| 1/4 | 6,646  | 1/4 | 21,828 | 1/4 | 37,010 | 1/4 | 52,171 | 1/4 | 67,354 | 1/4 | 82,536 | 1/4 | 97,718  | 1/4 | 112,900 | 1/4 | 128,077 | 1/4 | 143,253 |
| 1/2 | 6,962  | 1/2 | 22,144 | 1/2 | 37,326 | 1/2 | 52,488 | 1/2 | 67,670 | 1/2 | 82,852 | 1/2 | 98,035  | 1/2 | 113,216 | 1/2 | 128,393 | 1/2 | 143,570 |
| 3/4 | 7,279  | 3/4 | 22,460 | 3/4 | 37,642 | 3/4 | 52,804 | 3/4 | 67,986 | 3/4 | 83,169 | 3/4 | 98,351  | 3/4 | 113,532 | 3/4 | 128,709 | 3/4 | 143,886 |
| 6   | 7,595  | 6   | 22,777 | 6   | 37,958 | 6   | 53,120 | 6   | 68,303 | 6   | 83,485 | 6   | 98,667  | 6   | 113,848 | 6   | 129,025 | 6   | 144,202 |
| 1/4 | 7,911  | 1/4 | 23,093 | 1/4 | 38,275 | 1/4 | 53,436 | 1/4 | 68,619 | 1/4 | 83,801 | 1/4 | 98,984  | 1/4 | 114,165 | 1/4 | 129,341 | 1/4 | 144,518 |
| 1/2 | 8,227  | 1/2 | 23,409 | 1/2 | 38,591 | 1/2 | 53,753 | 1/2 | 68,935 | 1/2 | 84,118 | 1/2 | 99,300  | 1/2 | 114,481 | 1/2 | 129,658 | 1/2 | 144,834 |
| 3/4 | 8,544  | 3/4 | 23,726 | 3/4 | 38,907 | 3/4 | 54,069 | 3/4 | 69,251 | 3/4 | 84,434 | 3/4 | 99,616  | 3/4 | 114,797 | 3/4 | 129,974 | 3/4 | 145,151 |
| 7   | 8,860  | 7   | 24,042 | 7   | 39,224 | 7   | 54,385 | 7   | 69,568 | 7   | 84,750 | 7   | 99,933  | 7   | 115,113 | 7   | 130,290 | 7   | 145,467 |
| 1/4 | 9,176  | 1/4 | 24,358 | 1/4 | 39,539 | 1/4 | 54,702 | 1/4 | 69,884 | 1/4 | 85,066 | 1/4 | 100,249 | 1/4 | 115,429 | 1/4 | 130,606 | 1/4 | 145,783 |
| 1/2 | 9,493  | 1/2 | 24,674 | 1/2 | 39,855 | 1/2 | 55,018 | 1/2 | 70,200 | 1/2 | 85,383 | 1/2 | 100,565 | 1/2 | 115,745 | 1/2 | 130,922 | 1/2 | 146,099 |
| 3/4 | 9,809  | 3/4 | 24,991 | 3/4 | 40,171 | 3/4 | 55,334 | 3/4 | 70,517 | 3/4 | 85,699 | 3/4 | 100,881 | 3/4 | 116,062 | 3/4 | 131,238 | 3/4 | 146,415 |
| 8   | 10,125 | 8   | 25,307 | 8   | 40,487 | 8   | 55,651 | 8   | 70,833 | 8   | 86,015 | 8   | 101,198 | 8   | 116,378 | 8   | 131,555 | 8   | 146,731 |
| 1/4 | 10,441 | 1/4 | 25,623 | 1/4 | 40,803 | 1/4 | 55,967 | 1/4 | 71,149 | 1/4 | 86,332 | 1/4 | 101,514 | 1/4 | 116,694 | 1/4 | 131,871 | 1/4 | 147,048 |
| 1/2 | 10,758 | 1/2 | 25,940 | 1/2 | 41,118 | 1/2 | 56,283 | 1/2 | 71,466 | 1/2 | 86,648 | 1/2 | 101,830 | 1/2 | 117,010 | 1/2 | 132,187 | 1/2 | 147,364 |
| 3/4 | 11,074 | 3/4 | 26,256 | 3/4 | 41,434 | 3/4 | 56,599 | 3/4 | 71,782 | 3/4 | 86,964 | 3/4 | 102,147 | 3/4 | 117,326 | 3/4 | 132,503 | 3/4 | 147,680 |
| 9   | 11,390 | 9   | 26,572 | 9   | 41,750 | 9   | 56,916 | 9   | 72,098 | 9   | 87,281 | 9   | 102,463 | 9   | 117,643 | 9   | 132,819 | 9   | 147,996 |
| 1/4 | 11,707 | 1/4 | 26,888 | 1/4 | 42,066 | 1/4 | 57,232 | 1/4 | 72,414 | 1/4 | 87,597 | 1/4 | 102,779 | 1/4 | 117,959 | 1/4 | 133,136 | 1/4 | 148,312 |
| 1/2 | 12,023 | 1/2 | 27,205 | 1/2 | 42,381 | 1/2 | 57,548 | 1/2 | 72,731 | 1/2 | 87,913 | 1/2 | 103,096 | 1/2 | 118,275 | 1/2 | 133,452 | 1/2 | 148,629 |
| 3/4 | 12,339 | 3/4 | 27,521 | 3/4 | 42,697 | 3/4 | 57,865 | 3/4 | 73,047 | 3/4 | 88,229 | 3/4 | 103,412 | 3/4 | 118,591 | 3/4 | 133,768 | 3/4 | 148,945 |
| 10  | 12,655 | 10  | 27,837 | 10  | 43,013 | 10  | 58,181 | 10  | 73,363 | 10  | 88,546 | 10  | 103,728 | 10  | 118,907 | 10  | 134,084 | 10  | 149,261 |
| 1/4 | 12,972 | 1/4 | 28,154 | 1/4 | 43,329 | 1/4 | 58,497 | 1/4 | 73,680 | 1/4 | 88,862 | 1/4 | 104,044 | 1/4 | 119,223 | 1/4 | 134,400 | 1/4 | 149,577 |
| 1/2 | 13,288 | 1/2 | 28,470 | 1/2 | 43,645 | 1/2 | 58,814 | 1/2 | 73,996 | 1/2 | 89,178 | 1/2 | 104,361 | 1/2 | 119,540 | 1/2 | 134,716 | 1/2 | 149,893 |
| 3/4 | 13,604 | 3/4 | 28,786 | 3/4 | 43,960 | 3/4 | 59,130 | 3/4 | 74,312 | 3/4 | 89,495 | 3/4 | 104,677 | 3/4 | 119,856 | 3/4 | 135,033 | 3/4 | 150,209 |
| 11  | 13,921 | 11  | 29,102 | 11  | 44,276 | 11  | 59,446 | 11  | 74,629 | 11  | 89,811 | 11  | 104,993 | 11  | 120,172 | 11  | 135,349 | 11  | 150,526 |
| 1/4 | 14,237 | 1/4 | 29,419 | 1/4 | 44,592 | 1/4 | 59,762 | 1/4 | 74,945 | 1/4 | 90,127 | 1/4 | 105,310 | 1/4 | 120,488 | 1/4 | 135,665 | 1/4 | 150,842 |
| 1/2 | 14,553 | 1/2 | 29,735 | 1/2 | 44,908 | 1/2 | 60,079 | 1/2 | 75,261 | 1/2 | 90,444 | 1/2 | 105,626 | 1/2 | 120,804 | 1/2 | 135,981 | 1/2 | 151,158 |
| 3/4 | 14,869 | 3/4 | 30,051 | 3/4 | 45,223 | 3/4 | 60,395 | 3/4 | 75,577 | 3/4 | 90,760 | 3/4 | 105,942 | 3/4 | 121,121 | 3/4 | 136,297 | 3/4 | 151,474 |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP LIP OF 2" "HERMETIC" VALVE

GAUGE POINT: (HERMETIC) LOCATED 10'-09" OFF CENTERLINE AND 42'-03" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



# BARGE "CBC 385"

## 2 PORT INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-08"

| IN  | 10 FT.  | IN  | 11 FT.  | IN  | 12 FT.  | IN  | 13 FT.  | IN  | 14 FT.  | IN  | 15 FT. | IN  | 16 FT. | IN  | 17 FT. | IN  | 18 FT. | IN  | 19 FT. |
|-----|---------|-----|---------|-----|---------|-----|---------|-----|---------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|
| 0   | 151,790 | 0   | 166,967 | 0   | 182,144 | 0   | 197,321 | 0   | 212,433 | 0   |        | 0   |        | 0   |        | 0   |        | 0   |        |
| 1/4 | 152,107 | 1/4 | 167,283 | 1/4 | 182,460 | 1/4 | 197,637 | 1/4 | 212,745 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 152,423 | 1/2 | 167,600 | 1/2 | 182,776 | 1/2 | 197,953 | 1/2 | 213,057 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 152,739 | 3/4 | 167,916 | 3/4 | 183,093 | 3/4 | 198,269 | 3/4 | 213,369 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 1   | 153,055 | 1   | 168,232 | 1   | 183,409 | 1   | 198,586 | 1   | 213,681 | 1   |        | 1   |        | 1   |        | 1   |        | 1   |        |
| 1/4 | 153,371 | 1/4 | 168,548 | 1/4 | 183,725 | 1/4 | 198,900 | 1/4 | 213,993 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 153,687 | 1/2 | 168,864 | 1/2 | 184,041 | 1/2 | 199,215 | 1/2 | 214,305 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 154,004 | 3/4 | 169,180 | 3/4 | 184,357 | 3/4 | 199,530 | 3/4 | 214,617 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 2   | 154,320 | 2   | 169,497 | 2   | 184,673 | 2   | 199,845 | 2   | 214,929 | 2   |        | 2   |        | 2   |        | 2   |        | 2   |        |
| 1/4 | 154,636 | 1/4 | 169,813 | 1/4 | 184,990 | 1/4 | 200,160 | 1/4 | 215,241 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 154,952 | 1/2 | 170,129 | 1/2 | 185,306 | 1/2 | 200,475 | 1/2 | 215,553 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 155,268 | 3/4 | 170,445 | 3/4 | 185,622 | 3/4 | 200,790 | 3/4 | 215,865 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 3   | 155,585 | 3   | 170,761 | 3   | 185,938 | 3   | 201,105 | 3   | 216,177 | 3   |        | 3   |        | 3   |        | 3   |        | 3   |        |
| 1/4 | 155,901 | 1/4 | 171,078 | 1/4 | 186,254 | 1/4 | 201,420 | 1/4 | 216,489 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 156,217 | 1/2 | 171,394 | 1/2 | 186,571 | 1/2 | 201,735 | 1/2 | 216,801 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 156,533 | 3/4 | 171,710 | 3/4 | 186,887 | 3/4 | 202,050 | 3/4 | 217,112 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 4   | 156,849 | 4   | 172,026 | 4   | 187,203 | 4   | 202,365 | 4   | 217,424 | 4   |        | 4   |        | 4   |        | 4   |        | 4   |        |
| 1/4 | 157,165 | 1/4 | 172,342 | 1/4 | 187,519 | 1/4 | 202,680 | 1/4 | 217,734 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 157,482 | 1/2 | 172,658 | 1/2 | 187,835 | 1/2 | 202,995 | 1/2 | 218,045 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 157,798 | 3/4 | 172,975 | 3/4 | 188,151 | 3/4 | 203,310 | 3/4 | 218,356 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 5   | 158,114 | 5   | 173,291 | 5   | 188,468 | 5   | 203,625 | 5   | 218,666 | 5   |        | 5   |        | 5   |        | 5   |        | 5   |        |
| 1/4 | 158,430 | 1/4 | 173,607 | 1/4 | 188,784 | 1/4 | 203,940 | 1/4 | 218,952 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 158,746 | 1/2 | 173,923 | 1/2 | 189,100 | 1/2 | 204,255 | 1/2 | 219,237 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 159,063 | 3/4 | 174,239 | 3/4 | 189,416 | 3/4 | 204,570 | 3/4 | 219,523 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 6   | 159,379 | 6   | 174,556 | 6   | 189,732 | 6   | 204,885 | 6   | 219,809 | 6   |        | 6   |        | 6   |        | 6   |        | 6   |        |
| 1/4 | 159,695 | 1/4 | 174,872 | 1/4 | 190,049 | 1/4 | 205,200 | 1/4 | 220,041 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 160,011 | 1/2 | 175,188 | 1/2 | 190,365 | 1/2 | 205,515 | 1/2 | 220,274 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 160,327 | 3/4 | 175,504 | 3/4 | 190,681 | 3/4 | 205,830 | 3/4 | 220,507 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 7   | 160,644 | 7   | 175,820 | 7   | 190,997 | 7   | 206,145 | 7   | 220,740 | 7   |        | 7   |        | 7   |        | 7   |        | 7   |        |
| 1/4 | 160,960 | 1/4 | 176,136 | 1/4 | 191,313 | 1/4 | 206,460 | 1/4 | 220,922 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 161,276 | 1/2 | 176,453 | 1/2 | 191,629 | 1/2 | 206,774 | 1/2 | 221,103 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 161,592 | 3/4 | 176,769 | 3/4 | 191,946 | 3/4 | 207,089 | 3/4 | 221,285 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 8   | 161,908 | 8   | 177,085 | 8   | 192,262 | 8   | 207,404 | 8   | 221,466 | 8   |        | 8   |        | 8   |        | 8   |        | 8   |        |
| 1/4 | 162,224 | 1/4 | 177,401 | 1/4 | 192,578 | 1/4 | 207,719 | 1/4 |         | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 162,541 | 1/2 | 177,717 | 1/2 | 192,894 | 1/2 | 208,034 | 1/2 |         | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 162,857 | 3/4 | 178,034 | 3/4 | 193,210 | 3/4 | 208,349 | 3/4 |         | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 9   | 163,173 | 9   | 178,350 | 9   | 193,527 | 9   | 208,664 | 9   |         | 9   |        | 9   |        | 9   |        | 9   |        | 9   |        |
| 1/4 | 163,489 | 1/4 | 178,666 | 1/4 | 193,843 | 1/4 | 208,979 | 1/4 |         | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 163,805 | 1/2 | 178,982 | 1/2 | 194,159 | 1/2 | 209,294 | 1/2 |         | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 164,122 | 3/4 | 179,298 | 3/4 | 194,475 | 3/4 | 209,609 | 3/4 |         | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 10  | 164,438 | 10  | 179,615 | 10  | 194,791 | 10  | 209,924 | 10  |         | 10  |        | 10  |        | 10  |        | 10  |        | 10  |        |
| 1/4 | 164,754 | 1/4 | 179,931 | 1/4 | 195,107 | 1/4 | 210,240 | 1/4 |         | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 165,070 | 1/2 | 180,247 | 1/2 | 195,424 | 1/2 | 210,555 | 1/2 |         | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 165,386 | 3/4 | 180,563 | 3/4 | 195,740 | 3/4 | 210,870 | 3/4 |         | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 11  | 165,702 | 11  | 180,879 | 11  | 196,056 | 11  | 211,185 | 11  |         | 11  |        | 11  |        | 11  |        | 11  |        | 11  |        |
| 1/4 | 166,019 | 1/4 | 181,195 | 1/4 | 196,372 | 1/4 | 211,497 | 1/4 |         | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 166,335 | 1/2 | 181,512 | 1/2 | 196,688 | 1/2 | 211,809 | 1/2 |         | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 166,651 | 3/4 | 181,828 | 3/4 | 197,005 | 3/4 | 212,121 | 3/4 |         | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/25/2013 CL  
CALCULATED: 06/25/2013 CL  
PRINTED: 06/26/2013 SW

CANCELS AND SUPERCEDES  
ALL PRIOR TO 06/2013

PRECISION MEASUREMENT  
& ANALYSIS, INC.  
P.O. Box 2092  
Pearland, Texas 77588  
<http://www.pmacorp.net>





# BARGE "CBC 385"

2 STBD

## INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-08 1/4"

| IN  | 0 FT.  | IN  | 1 FT.  | IN  | 2 FT.  | IN  | 3 FT.  | IN  | 4 FT.  | IN  | 5 FT.  | IN  | 6 FT.   | IN  | 7 FT.   | IN  | 8 FT.   | IN  | 9 FT.   |
|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|---------|-----|---------|-----|---------|-----|---------|
| 0   | 961    | 0   | 15,186 | 0   | 30,368 | 0   | 45,206 | 0   | 60,045 | 0   | 75,227 | 0   | 90,410  | 0   | 105,593 | 0   | 120,771 | 0   | 135,948 |
| 1/4 | 1,146  | 1/4 | 15,502 | 1/4 | 30,684 | 1/4 | 45,508 | 1/4 | 60,361 | 1/4 | 75,544 | 1/4 | 90,726  | 1/4 | 105,909 | 1/4 | 121,087 | 1/4 | 136,264 |
| 1/2 | 1,330  | 1/2 | 15,819 | 1/2 | 31,001 | 1/2 | 45,810 | 1/2 | 60,677 | 1/2 | 75,860 | 1/2 | 91,043  | 1/2 | 106,225 | 1/2 | 121,403 | 1/2 | 136,580 |
| 3/4 | 1,515  | 3/4 | 16,135 | 3/4 | 31,317 | 3/4 | 46,112 | 3/4 | 60,994 | 3/4 | 76,176 | 3/4 | 91,359  | 3/4 | 106,542 | 3/4 | 121,720 | 3/4 | 136,897 |
| 1   | 1,699  | 1   | 16,451 | 1   | 31,633 | 1   | 46,414 | 1   | 61,310 | 1   | 76,493 | 1   | 91,675  | 1   | 106,858 | 1   | 122,036 | 1   | 137,213 |
| 1/4 | 1,936  | 1/4 | 16,767 | 1/4 | 31,949 | 1/4 | 46,716 | 1/4 | 61,626 | 1/4 | 76,809 | 1/4 | 91,992  | 1/4 | 107,174 | 1/4 | 122,352 | 1/4 | 137,529 |
| 1/2 | 2,174  | 1/2 | 17,084 | 1/2 | 32,266 | 1/2 | 47,018 | 1/2 | 61,943 | 1/2 | 77,125 | 1/2 | 92,308  | 1/2 | 107,491 | 1/2 | 122,668 | 1/2 | 137,845 |
| 3/4 | 2,411  | 3/4 | 17,400 | 3/4 | 32,582 | 3/4 | 47,319 | 3/4 | 62,259 | 3/4 | 77,442 | 3/4 | 92,624  | 3/4 | 107,807 | 3/4 | 122,984 | 3/4 | 138,161 |
| 2   | 2,648  | 2   | 17,716 | 2   | 32,898 | 2   | 47,621 | 2   | 62,575 | 2   | 77,758 | 2   | 92,941  | 2   | 108,123 | 2   | 123,301 | 2   | 138,478 |
| 1/4 | 2,938  | 1/4 | 18,033 | 1/4 | 33,215 | 1/4 | 47,923 | 1/4 | 62,892 | 1/4 | 78,074 | 1/4 | 93,257  | 1/4 | 108,439 | 1/4 | 123,617 | 1/4 | 138,794 |
| 1/2 | 3,228  | 1/2 | 18,349 | 1/2 | 33,531 | 1/2 | 48,225 | 1/2 | 63,208 | 1/2 | 78,391 | 1/2 | 93,573  | 1/2 | 108,756 | 1/2 | 123,933 | 1/2 | 139,110 |
| 3/4 | 3,518  | 3/4 | 18,665 | 3/4 | 33,847 | 3/4 | 48,527 | 3/4 | 63,524 | 3/4 | 78,707 | 3/4 | 93,889  | 3/4 | 109,072 | 3/4 | 124,249 | 3/4 | 139,426 |
| 3   | 3,807  | 3   | 18,981 | 3   | 34,163 | 3   | 48,829 | 3   | 63,841 | 3   | 79,023 | 3   | 94,206  | 3   | 109,388 | 3   | 124,565 | 3   | 139,742 |
| 1/4 | 4,122  | 1/4 | 19,298 | 1/4 | 34,480 | 1/4 | 49,131 | 1/4 | 64,157 | 1/4 | 79,339 | 1/4 | 94,522  | 1/4 | 109,705 | 1/4 | 124,882 | 1/4 | 140,059 |
| 1/2 | 4,437  | 1/2 | 19,614 | 1/2 | 34,796 | 1/2 | 49,433 | 1/2 | 64,473 | 1/2 | 79,656 | 1/2 | 94,838  | 1/2 | 110,021 | 1/2 | 125,198 | 1/2 | 140,375 |
| 3/4 | 4,752  | 3/4 | 19,930 | 3/4 | 35,112 | 3/4 | 49,735 | 3/4 | 64,789 | 3/4 | 79,972 | 3/4 | 95,155  | 3/4 | 110,337 | 3/4 | 125,514 | 3/4 | 140,691 |
| 4   | 5,067  | 4   | 20,247 | 4   | 35,429 | 4   | 50,036 | 4   | 65,106 | 4   | 80,288 | 4   | 95,471  | 4   | 110,653 | 4   | 125,830 | 4   | 141,007 |
| 1/4 | 5,382  | 1/4 | 20,563 | 1/4 | 35,745 | 1/4 | 50,338 | 1/4 | 65,422 | 1/4 | 80,605 | 1/4 | 95,787  | 1/4 | 110,969 | 1/4 | 126,146 | 1/4 | 141,323 |
| 1/2 | 5,698  | 1/2 | 20,879 | 1/2 | 36,061 | 1/2 | 50,640 | 1/2 | 65,738 | 1/2 | 80,921 | 1/2 | 96,104  | 1/2 | 111,285 | 1/2 | 126,462 | 1/2 | 141,640 |
| 3/4 | 6,014  | 3/4 | 21,196 | 3/4 | 36,378 | 3/4 | 50,942 | 3/4 | 66,055 | 3/4 | 81,237 | 3/4 | 96,420  | 3/4 | 111,602 | 3/4 | 126,779 | 3/4 | 141,956 |
| 5   | 6,330  | 5   | 21,512 | 5   | 36,694 | 5   | 51,244 | 5   | 66,371 | 5   | 81,554 | 5   | 96,736  | 5   | 111,918 | 5   | 127,095 | 5   | 142,272 |
| 1/4 | 6,646  | 1/4 | 21,828 | 1/4 | 37,010 | 1/4 | 51,546 | 1/4 | 66,687 | 1/4 | 81,870 | 1/4 | 97,052  | 1/4 | 112,234 | 1/4 | 127,411 | 1/4 | 142,588 |
| 1/2 | 6,962  | 1/2 | 22,144 | 1/2 | 37,326 | 1/2 | 51,849 | 1/2 | 67,004 | 1/2 | 82,186 | 1/2 | 97,369  | 1/2 | 112,550 | 1/2 | 127,727 | 1/2 | 142,904 |
| 3/4 | 7,279  | 3/4 | 22,461 | 3/4 | 37,643 | 3/4 | 52,151 | 3/4 | 67,320 | 3/4 | 82,502 | 3/4 | 97,685  | 3/4 | 112,866 | 3/4 | 128,043 | 3/4 | 143,220 |
| 6   | 7,595  | 6   | 22,777 | 6   | 37,959 | 6   | 52,454 | 6   | 67,636 | 6   | 82,819 | 6   | 98,001  | 6   | 113,183 | 6   | 128,360 | 6   | 143,537 |
| 1/4 | 7,911  | 1/4 | 23,093 | 1/4 | 38,261 | 1/4 | 52,770 | 1/4 | 67,952 | 1/4 | 83,135 | 1/4 | 98,318  | 1/4 | 113,499 | 1/4 | 128,676 | 1/4 | 143,853 |
| 1/2 | 8,228  | 1/2 | 23,410 | 1/2 | 38,564 | 1/2 | 53,086 | 1/2 | 68,269 | 1/2 | 83,451 | 1/2 | 98,634  | 1/2 | 113,815 | 1/2 | 128,992 | 1/2 | 144,169 |
| 3/4 | 8,544  | 3/4 | 23,726 | 3/4 | 38,866 | 3/4 | 53,402 | 3/4 | 68,585 | 3/4 | 83,768 | 3/4 | 98,950  | 3/4 | 114,131 | 3/4 | 129,308 | 3/4 | 144,485 |
| 7   | 8,860  | 7   | 24,042 | 7   | 39,169 | 7   | 53,719 | 7   | 68,901 | 7   | 84,084 | 7   | 99,267  | 7   | 114,447 | 7   | 129,624 | 7   | 144,801 |
| 1/4 | 9,176  | 1/4 | 24,358 | 1/4 | 39,470 | 1/4 | 54,035 | 1/4 | 69,218 | 1/4 | 84,400 | 1/4 | 99,583  | 1/4 | 114,764 | 1/4 | 129,941 | 1/4 | 145,118 |
| 1/2 | 9,493  | 1/2 | 24,675 | 1/2 | 39,772 | 1/2 | 54,351 | 1/2 | 69,534 | 1/2 | 84,717 | 1/2 | 99,899  | 1/2 | 115,080 | 1/2 | 130,257 | 1/2 | 145,434 |
| 3/4 | 9,809  | 3/4 | 24,991 | 3/4 | 40,074 | 3/4 | 54,668 | 3/4 | 69,850 | 3/4 | 85,033 | 3/4 | 100,216 | 3/4 | 115,396 | 3/4 | 130,573 | 3/4 | 145,750 |
| 8   | 10,125 | 8   | 25,307 | 8   | 40,376 | 8   | 54,984 | 8   | 70,167 | 8   | 85,349 | 8   | 100,532 | 8   | 115,712 | 8   | 130,889 | 8   | 146,066 |
| 1/4 | 10,442 | 1/4 | 25,624 | 1/4 | 40,678 | 1/4 | 55,300 | 1/4 | 70,483 | 1/4 | 85,666 | 1/4 | 100,848 | 1/4 | 116,028 | 1/4 | 131,205 | 1/4 | 146,382 |
| 1/2 | 10,758 | 1/2 | 25,940 | 1/2 | 40,980 | 1/2 | 55,617 | 1/2 | 70,799 | 1/2 | 85,982 | 1/2 | 101,164 | 1/2 | 116,344 | 1/2 | 131,521 | 1/2 | 146,699 |
| 3/4 | 11,074 | 3/4 | 26,256 | 3/4 | 41,282 | 3/4 | 55,933 | 3/4 | 71,116 | 3/4 | 86,298 | 3/4 | 101,481 | 3/4 | 116,661 | 3/4 | 131,838 | 3/4 | 147,015 |
| 9   | 11,390 | 9   | 26,572 | 9   | 41,584 | 9   | 56,249 | 9   | 71,432 | 9   | 86,614 | 9   | 101,797 | 9   | 116,977 | 9   | 132,154 | 9   | 147,331 |
| 1/4 | 11,707 | 1/4 | 26,889 | 1/4 | 41,885 | 1/4 | 56,566 | 1/4 | 71,748 | 1/4 | 86,931 | 1/4 | 102,113 | 1/4 | 117,293 | 1/4 | 132,470 | 1/4 | 147,647 |
| 1/2 | 12,023 | 1/2 | 27,205 | 1/2 | 42,187 | 1/2 | 56,882 | 1/2 | 72,064 | 1/2 | 87,247 | 1/2 | 102,430 | 1/2 | 117,609 | 1/2 | 132,786 | 1/2 | 147,963 |
| 3/4 | 12,339 | 3/4 | 27,521 | 3/4 | 42,489 | 3/4 | 57,198 | 3/4 | 72,381 | 3/4 | 87,563 | 3/4 | 102,746 | 3/4 | 117,925 | 3/4 | 133,102 | 3/4 | 148,279 |
| 10  | 12,656 | 10  | 27,838 | 10  | 42,791 | 10  | 57,514 | 10  | 72,697 | 10  | 87,880 | 10  | 103,062 | 10  | 118,242 | 10  | 133,419 | 10  | 148,596 |
| 1/4 | 12,972 | 1/4 | 28,154 | 1/4 | 43,093 | 1/4 | 57,831 | 1/4 | 73,013 | 1/4 | 88,196 | 1/4 | 103,379 | 1/4 | 118,558 | 1/4 | 133,735 | 1/4 | 148,912 |
| 1/2 | 13,288 | 1/2 | 28,470 | 1/2 | 43,395 | 1/2 | 58,147 | 1/2 | 73,330 | 1/2 | 88,512 | 1/2 | 103,695 | 1/2 | 118,874 | 1/2 | 134,051 | 1/2 | 149,228 |
| 3/4 | 13,604 | 3/4 | 28,787 | 3/4 | 43,697 | 3/4 | 58,463 | 3/4 | 73,646 | 3/4 | 88,829 | 3/4 | 104,011 | 3/4 | 119,190 | 3/4 | 134,367 | 3/4 | 149,544 |
| 11  | 13,921 | 11  | 29,103 | 11  | 43,999 | 11  | 58,780 | 11  | 73,962 | 11  | 89,145 | 11  | 104,327 | 11  | 119,506 | 11  | 134,683 | 11  | 149,860 |
| 1/4 | 14,237 | 1/4 | 29,419 | 1/4 | 44,301 | 1/4 | 59,096 | 1/4 | 74,279 | 1/4 | 89,461 | 1/4 | 104,644 | 1/4 | 119,823 | 1/4 | 135,000 | 1/4 | 150,177 |
| 1/2 | 14,553 | 1/2 | 29,735 | 1/2 | 44,602 | 1/2 | 59,412 | 1/2 | 74,595 | 1/2 | 89,777 | 1/2 | 104,960 | 1/2 | 120,139 | 1/2 | 135,316 | 1/2 | 150,493 |
| 3/4 | 14,870 | 3/4 | 30,052 | 3/4 | 44,904 | 3/4 | 59,729 | 3/4 | 74,911 | 3/4 | 90,094 | 3/4 | 105,276 | 3/4 | 120,455 | 3/4 | 135,632 | 3/4 | 150,809 |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP LIP OF 2" "HERMETIC" VALVE

GAUGE POINT: (HERMETIC) LOCATED 10'-09" OFF CENTERLINE AND 42'-03" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>





# BARGE "CBC 385"

**2 STBD**  
**INNAGE TABLE**

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-08 1/4"

| IN  | 10 FT.  | IN  | 11 FT.  | IN  | 12 FT.  | IN  | 13 FT.  | IN  | 14 FT.  | IN  | 15 FT. | IN  | 16 FT. | IN  | 17 FT. | IN  | 18 FT. | IN  | 19 FT. |
|-----|---------|-----|---------|-----|---------|-----|---------|-----|---------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|
| 0   | 151,125 | 0   | 166,302 | 0   | 181,479 | 0   | 196,656 | 0   | 211,769 | 0   |        | 0   |        | 0   |        | 0   |        | 0   |        |
| 1/4 | 151,441 | 1/4 | 166,618 | 1/4 | 181,795 | 1/4 | 196,972 | 1/4 | 212,081 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 151,758 | 1/2 | 166,935 | 1/2 | 182,112 | 1/2 | 197,289 | 1/2 | 212,393 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 152,074 | 3/4 | 167,251 | 3/4 | 182,428 | 3/4 | 197,605 | 3/4 | 212,705 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 1   | 152,390 | 1   | 167,567 | 1   | 182,744 | 1   | 197,921 | 1   | 213,017 | 1   |        | 1   |        | 1   |        | 1   |        | 1   |        |
| 1/4 | 152,706 | 1/4 | 167,883 | 1/4 | 183,060 | 1/4 | 198,236 | 1/4 | 213,329 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 153,022 | 1/2 | 168,199 | 1/2 | 183,376 | 1/2 | 198,551 | 1/2 | 213,641 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 153,338 | 3/4 | 168,515 | 3/4 | 183,692 | 3/4 | 198,866 | 3/4 | 213,953 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 2   | 153,655 | 2   | 168,832 | 2   | 184,009 | 2   | 199,181 | 2   | 214,265 | 2   |        | 2   |        | 2   |        | 2   |        | 2   |        |
| 1/4 | 153,971 | 1/4 | 169,148 | 1/4 | 184,325 | 1/4 | 199,496 | 1/4 | 214,577 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 154,287 | 1/2 | 169,464 | 1/2 | 184,641 | 1/2 | 199,811 | 1/2 | 214,889 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 154,603 | 3/4 | 169,780 | 3/4 | 184,957 | 3/4 | 200,126 | 3/4 | 215,201 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 3   | 154,919 | 3   | 170,096 | 3   | 185,273 | 3   | 200,441 | 3   | 215,513 | 3   |        | 3   |        | 3   |        | 3   |        | 3   |        |
| 1/4 | 155,236 | 1/4 | 170,413 | 1/4 | 185,590 | 1/4 | 200,756 | 1/4 | 215,825 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 155,552 | 1/2 | 170,729 | 1/2 | 185,906 | 1/2 | 201,071 | 1/2 | 216,136 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 155,868 | 3/4 | 171,045 | 3/4 | 186,222 | 3/4 | 201,386 | 3/4 | 216,448 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 4   | 156,184 | 4   | 171,361 | 4   | 186,538 | 4   | 201,701 | 4   | 216,760 | 4   |        | 4   |        | 4   |        | 4   |        | 4   |        |
| 1/4 | 156,500 | 1/4 | 171,677 | 1/4 | 186,854 | 1/4 | 202,016 | 1/4 | 217,070 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 156,817 | 1/2 | 171,994 | 1/2 | 187,171 | 1/2 | 202,330 | 1/2 | 217,381 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 157,133 | 3/4 | 172,310 | 3/4 | 187,487 | 3/4 | 202,645 | 3/4 | 217,691 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 5   | 157,449 | 5   | 172,626 | 5   | 187,803 | 5   | 202,960 | 5   | 218,002 | 5   |        | 5   |        | 5   |        | 5   |        | 5   |        |
| 1/4 | 157,765 | 1/4 | 172,942 | 1/4 | 188,119 | 1/4 | 203,275 | 1/4 | 218,288 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 158,081 | 1/2 | 173,258 | 1/2 | 188,435 | 1/2 | 203,590 | 1/2 | 218,573 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 158,397 | 3/4 | 173,574 | 3/4 | 188,751 | 3/4 | 203,905 | 3/4 | 218,859 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 6   | 158,714 | 6   | 173,891 | 6   | 189,068 | 6   | 204,220 | 6   | 219,144 | 6   |        | 6   |        | 6   |        | 6   |        | 6   |        |
| 1/4 | 159,030 | 1/4 | 174,207 | 1/4 | 189,384 | 1/4 | 204,535 | 1/4 | 219,377 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 159,346 | 1/2 | 174,523 | 1/2 | 189,700 | 1/2 | 204,850 | 1/2 | 219,610 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 159,662 | 3/4 | 174,839 | 3/4 | 190,016 | 3/4 | 205,165 | 3/4 | 219,843 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 7   | 159,978 | 7   | 175,155 | 7   | 190,332 | 7   | 205,480 | 7   | 220,076 | 7   |        | 7   |        | 7   |        | 7   |        | 7   |        |
| 1/4 | 160,295 | 1/4 | 175,472 | 1/4 | 190,649 | 1/4 | 205,795 | 1/4 | 220,258 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 160,611 | 1/2 | 175,788 | 1/2 | 190,965 | 1/2 | 206,110 | 1/2 | 220,439 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 160,927 | 3/4 | 176,104 | 3/4 | 191,281 | 3/4 | 206,425 | 3/4 | 220,621 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 8   | 161,243 | 8   | 176,420 | 8   | 191,597 | 8   | 206,740 | 8   | 220,802 | 8   |        | 8   |        | 8   |        | 8   |        | 8   |        |
| 1/4 | 161,559 | 1/4 | 176,736 | 1/4 | 191,913 | 1/4 | 207,055 | 1/4 |         | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 161,876 | 1/2 | 177,053 | 1/2 | 192,230 | 1/2 | 207,370 | 1/2 |         | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 162,192 | 3/4 | 177,369 | 3/4 | 192,546 | 3/4 | 207,685 | 3/4 |         | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 9   | 162,508 | 9   | 177,685 | 9   | 192,862 | 9   | 208,000 | 9   |         | 9   |        | 9   |        | 9   |        | 9   |        | 9   |        |
| 1/4 | 162,824 | 1/4 | 178,001 | 1/4 | 193,178 | 1/4 | 208,315 | 1/4 |         | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 163,140 | 1/2 | 178,317 | 1/2 | 193,494 | 1/2 | 208,630 | 1/2 |         | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 163,456 | 3/4 | 178,633 | 3/4 | 193,811 | 3/4 | 208,945 | 3/4 |         | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 10  | 163,773 | 10  | 178,950 | 10  | 194,127 | 10  | 209,260 | 10  |         | 10  |        | 10  |        | 10  |        | 10  |        | 10  |        |
| 1/4 | 164,089 | 1/4 | 179,266 | 1/4 | 194,443 | 1/4 | 209,575 | 1/4 |         | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 164,405 | 1/2 | 179,582 | 1/2 | 194,759 | 1/2 | 209,890 | 1/2 |         | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 164,721 | 3/4 | 179,898 | 3/4 | 195,075 | 3/4 | 210,205 | 3/4 |         | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 11  | 165,037 | 11  | 180,214 | 11  | 195,391 | 11  | 210,520 | 11  |         | 11  |        | 11  |        | 11  |        | 11  |        | 11  |        |
| 1/4 | 165,354 | 1/4 | 180,531 | 1/4 | 195,708 | 1/4 | 210,832 | 1/4 |         | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 165,670 | 1/2 | 180,847 | 1/2 | 196,024 | 1/2 | 211,145 | 1/2 |         | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 165,986 | 3/4 | 181,163 | 3/4 | 196,340 | 3/4 | 211,457 | 3/4 |         | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/25/2013 CL  
CALCULATED: 06/25/2013 CL  
PRINTED: 06/26/2013 SW

CANCELS AND SUPERCEDES  
ALL PRIOR TO 06/2013

PRECISION MEASUREMENT  
& ANALYSIS, INC.  
P.O. Box 2092  
Pearland, Texas 77588  
<http://www.pmacorp.net>



# BARGE "CBC 385"

## 3 PORT INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-08 1/4"

| IN  | 0 FT.  | IN  | 1 FT.  | IN  | 2 FT.  | IN  | 3 FT.  | IN  | 4 FT.  | IN  | 5 FT.  | IN  | 6 FT.   | IN  | 7 FT.   | IN  | 8 FT.   | IN  | 9 FT.   |
|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|---------|-----|---------|-----|---------|-----|---------|
| 0   | 957    | 0   | 15,121 | 0   | 30,237 | 0   | 45,345 | 0   | 60,456 | 0   | 75,573 | 0   | 90,689  | 0   | 105,803 | 0   | 120,908 | 0   | 135,976 |
| 1/4 | 1,141  | 1/4 | 15,436 | 1/4 | 30,552 | 1/4 | 45,660 | 1/4 | 60,771 | 1/4 | 75,888 | 1/4 | 91,004  | 1/4 | 106,118 | 1/4 | 121,222 | 1/4 | 136,289 |
| 1/2 | 1,325  | 1/2 | 15,751 | 1/2 | 30,867 | 1/2 | 45,974 | 1/2 | 61,086 | 1/2 | 76,203 | 1/2 | 91,319  | 1/2 | 106,432 | 1/2 | 121,537 | 1/2 | 136,602 |
| 3/4 | 1,508  | 3/4 | 16,066 | 3/4 | 31,182 | 3/4 | 46,289 | 3/4 | 61,401 | 3/4 | 76,518 | 3/4 | 91,634  | 3/4 | 106,747 | 3/4 | 121,851 | 3/4 | 136,914 |
| 1   | 1,692  | 1   | 16,380 | 1   | 31,497 | 1   | 46,603 | 1   | 61,715 | 1   | 76,833 | 1   | 91,949  | 1   | 107,062 | 1   | 122,165 | 1   | 137,227 |
| 1/4 | 1,928  | 1/4 | 16,695 | 1/4 | 31,812 | 1/4 | 46,918 | 1/4 | 62,030 | 1/4 | 77,148 | 1/4 | 92,263  | 1/4 | 107,377 | 1/4 | 122,479 | 1/4 | 137,540 |
| 1/2 | 2,164  | 1/2 | 17,010 | 1/2 | 32,127 | 1/2 | 47,233 | 1/2 | 62,345 | 1/2 | 77,463 | 1/2 | 92,578  | 1/2 | 107,692 | 1/2 | 122,794 | 1/2 | 137,853 |
| 3/4 | 2,401  | 3/4 | 17,325 | 3/4 | 32,442 | 3/4 | 47,547 | 3/4 | 62,660 | 3/4 | 77,778 | 3/4 | 92,893  | 3/4 | 108,007 | 3/4 | 123,108 | 3/4 | 138,166 |
| 2   | 2,637  | 2   | 17,640 | 2   | 32,757 | 2   | 47,862 | 2   | 62,975 | 2   | 78,093 | 2   | 93,208  | 2   | 108,322 | 2   | 123,422 | 2   | 138,479 |
| 1/4 | 2,925  | 1/4 | 17,955 | 1/4 | 33,072 | 1/4 | 48,176 | 1/4 | 63,290 | 1/4 | 78,407 | 1/4 | 93,523  | 1/4 | 108,636 | 1/4 | 123,737 | 1/4 | 138,791 |
| 1/2 | 3,214  | 1/2 | 18,270 | 1/2 | 33,387 | 1/2 | 48,491 | 1/2 | 63,605 | 1/2 | 78,722 | 1/2 | 93,838  | 1/2 | 108,951 | 1/2 | 124,051 | 1/2 | 139,104 |
| 3/4 | 3,503  | 3/4 | 18,585 | 3/4 | 33,702 | 3/4 | 48,805 | 3/4 | 63,920 | 3/4 | 79,037 | 3/4 | 94,153  | 3/4 | 109,266 | 3/4 | 124,365 | 3/4 | 139,417 |
| 3   | 3,791  | 3   | 18,900 | 3   | 34,017 | 3   | 49,120 | 3   | 64,235 | 3   | 79,352 | 3   | 94,467  | 3   | 109,581 | 3   | 124,679 | 3   | 139,730 |
| 1/4 | 4,105  | 1/4 | 19,215 | 1/4 | 34,332 | 1/4 | 49,434 | 1/4 | 64,550 | 1/4 | 79,667 | 1/4 | 94,782  | 1/4 | 109,896 | 1/4 | 124,994 | 1/4 | 140,043 |
| 1/2 | 4,418  | 1/2 | 19,530 | 1/2 | 34,646 | 1/2 | 49,749 | 1/2 | 64,865 | 1/2 | 79,982 | 1/2 | 95,097  | 1/2 | 110,211 | 1/2 | 125,308 | 1/2 | 140,357 |
| 3/4 | 4,731  | 3/4 | 19,845 | 3/4 | 34,961 | 3/4 | 50,063 | 3/4 | 65,180 | 3/4 | 80,297 | 3/4 | 95,412  | 3/4 | 110,526 | 3/4 | 125,622 | 3/4 | 140,670 |
| 4   | 5,045  | 4   | 20,160 | 4   | 35,276 | 4   | 50,378 | 4   | 65,495 | 4   | 80,612 | 4   | 95,727  | 4   | 110,840 | 4   | 125,936 | 4   | 140,984 |
| 1/4 | 5,359  | 1/4 | 20,475 | 1/4 | 35,591 | 1/4 | 50,693 | 1/4 | 65,810 | 1/4 | 80,927 | 1/4 | 96,042  | 1/4 | 111,155 | 1/4 | 126,251 | 1/4 | 141,297 |
| 1/2 | 5,674  | 1/2 | 20,790 | 1/2 | 35,906 | 1/2 | 51,008 | 1/2 | 66,125 | 1/2 | 81,242 | 1/2 | 96,357  | 1/2 | 111,470 | 1/2 | 126,565 | 1/2 | 141,611 |
| 3/4 | 5,988  | 3/4 | 21,104 | 3/4 | 36,221 | 3/4 | 51,322 | 3/4 | 66,440 | 3/4 | 81,557 | 3/4 | 96,672  | 3/4 | 111,785 | 3/4 | 126,879 | 3/4 | 141,924 |
| 5   | 6,303  | 5   | 21,419 | 5   | 36,536 | 5   | 51,637 | 5   | 66,755 | 5   | 81,872 | 5   | 96,986  | 5   | 112,100 | 5   | 127,194 | 5   | 142,238 |
| 1/4 | 6,618  | 1/4 | 21,734 | 1/4 | 36,851 | 1/4 | 51,952 | 1/4 | 67,070 | 1/4 | 82,187 | 1/4 | 97,301  | 1/4 | 112,414 | 1/4 | 127,508 | 1/4 | 142,551 |
| 1/2 | 6,933  | 1/2 | 22,049 | 1/2 | 37,166 | 1/2 | 52,267 | 1/2 | 67,384 | 1/2 | 82,502 | 1/2 | 97,616  | 1/2 | 112,729 | 1/2 | 127,822 | 1/2 | 142,865 |
| 3/4 | 7,248  | 3/4 | 22,364 | 3/4 | 37,481 | 3/4 | 52,582 | 3/4 | 67,699 | 3/4 | 82,817 | 3/4 | 97,931  | 3/4 | 113,044 | 3/4 | 128,136 | 3/4 | 143,178 |
| 6   | 7,562  | 6   | 22,679 | 6   | 37,796 | 6   | 52,897 | 6   | 68,014 | 6   | 83,132 | 6   | 98,246  | 6   | 113,359 | 6   | 128,451 | 6   | 143,492 |
| 1/4 | 7,877  | 1/4 | 22,994 | 1/4 | 38,110 | 1/4 | 53,212 | 1/4 | 68,329 | 1/4 | 83,447 | 1/4 | 98,561  | 1/4 | 113,674 | 1/4 | 128,765 | 1/4 | 143,805 |
| 1/2 | 8,192  | 1/2 | 23,309 | 1/2 | 38,425 | 1/2 | 53,527 | 1/2 | 68,644 | 1/2 | 83,762 | 1/2 | 98,876  | 1/2 | 113,988 | 1/2 | 129,079 | 1/2 | 144,119 |
| 3/4 | 8,507  | 3/4 | 23,624 | 3/4 | 38,740 | 3/4 | 53,842 | 3/4 | 68,959 | 3/4 | 84,076 | 3/4 | 99,190  | 3/4 | 114,303 | 3/4 | 129,393 | 3/4 | 144,432 |
| 7   | 8,822  | 7   | 23,939 | 7   | 39,054 | 7   | 54,157 | 7   | 69,274 | 7   | 84,391 | 7   | 99,505  | 7   | 114,618 | 7   | 129,708 | 7   | 144,746 |
| 1/4 | 9,137  | 1/4 | 24,254 | 1/4 | 39,369 | 1/4 | 54,472 | 1/4 | 69,589 | 1/4 | 84,706 | 1/4 | 99,820  | 1/4 | 114,933 | 1/4 | 130,022 | 1/4 | 145,059 |
| 1/2 | 9,452  | 1/2 | 24,569 | 1/2 | 39,683 | 1/2 | 54,787 | 1/2 | 69,904 | 1/2 | 85,021 | 1/2 | 100,135 | 1/2 | 115,248 | 1/2 | 130,336 | 1/2 | 145,373 |
| 3/4 | 9,767  | 3/4 | 24,884 | 3/4 | 39,998 | 3/4 | 55,102 | 3/4 | 70,219 | 3/4 | 85,336 | 3/4 | 100,450 | 3/4 | 115,562 | 3/4 | 130,651 | 3/4 | 145,686 |
| 8   | 10,082 | 8   | 25,199 | 8   | 40,313 | 8   | 55,417 | 8   | 70,534 | 8   | 85,651 | 8   | 100,765 | 8   | 115,877 | 8   | 130,965 | 8   | 146,000 |
| 1/4 | 10,397 | 1/4 | 25,513 | 1/4 | 40,627 | 1/4 | 55,732 | 1/4 | 70,849 | 1/4 | 85,966 | 1/4 | 101,080 | 1/4 | 116,192 | 1/4 | 131,279 | 1/4 | 146,313 |
| 1/2 | 10,712 | 1/2 | 25,828 | 1/2 | 40,942 | 1/2 | 56,047 | 1/2 | 71,164 | 1/2 | 86,281 | 1/2 | 101,395 | 1/2 | 116,507 | 1/2 | 131,593 | 1/2 | 146,627 |
| 3/4 | 11,027 | 3/4 | 26,143 | 3/4 | 41,256 | 3/4 | 56,361 | 3/4 | 71,479 | 3/4 | 86,596 | 3/4 | 101,709 | 3/4 | 116,822 | 3/4 | 131,908 | 3/4 | 146,940 |
| 9   | 11,342 | 9   | 26,458 | 9   | 41,571 | 9   | 56,676 | 9   | 71,794 | 9   | 86,911 | 9   | 102,024 | 9   | 117,137 | 9   | 132,222 | 9   | 147,254 |
| 1/4 | 11,657 | 1/4 | 26,773 | 1/4 | 41,885 | 1/4 | 56,991 | 1/4 | 72,109 | 1/4 | 87,226 | 1/4 | 102,339 | 1/4 | 117,451 | 1/4 | 132,535 | 1/4 | 147,423 |
| 1/2 | 11,971 | 1/2 | 27,088 | 1/2 | 42,200 | 1/2 | 57,306 | 1/2 | 72,424 | 1/2 | 87,540 | 1/2 | 102,654 | 1/2 | 117,765 | 1/2 | 132,848 | 1/2 | 147,592 |
| 3/4 | 12,286 | 3/4 | 27,403 | 3/4 | 42,514 | 3/4 | 57,621 | 3/4 | 72,739 | 3/4 | 87,855 | 3/4 | 102,969 | 3/4 | 118,080 | 3/4 | 133,160 | 3/4 | 147,762 |
| 10  | 12,601 | 10  | 27,718 | 10  | 42,829 | 10  | 57,936 | 10  | 73,053 | 10  | 88,170 | 10  | 103,284 | 10  | 118,394 | 10  | 133,473 | 10  | 147,931 |
| 1/4 | 12,916 | 1/4 | 28,033 | 1/4 | 43,143 | 1/4 | 58,251 | 1/4 | 73,368 | 1/4 | 88,485 | 1/4 | 103,599 | 1/4 | 118,708 | 1/4 | 133,786 | 1/4 | 148,100 |
| 1/2 | 13,231 | 1/2 | 28,348 | 1/2 | 43,458 | 1/2 | 58,566 | 1/2 | 73,683 | 1/2 | 88,800 | 1/2 | 103,913 | 1/2 | 119,022 | 1/2 | 134,099 | 1/2 | 148,270 |
| 3/4 | 13,546 | 3/4 | 28,663 | 3/4 | 43,773 | 3/4 | 58,881 | 3/4 | 73,998 | 3/4 | 89,115 | 3/4 | 104,228 | 3/4 | 119,337 | 3/4 | 134,412 | 3/4 | 148,439 |
| 11  | 13,861 | 11  | 28,978 | 11  | 44,087 | 11  | 59,196 | 11  | 74,313 | 11  | 89,430 | 11  | 104,543 | 11  | 119,651 | 11  | 134,725 | 11  | 148,609 |
| 1/4 | 14,176 | 1/4 | 29,293 | 1/4 | 44,402 | 1/4 | 59,511 | 1/4 | 74,628 | 1/4 | 89,744 | 1/4 | 104,858 | 1/4 | 119,965 | 1/4 | 135,037 | 1/4 | 148,778 |
| 1/2 | 14,491 | 1/2 | 29,608 | 1/2 | 44,716 | 1/2 | 59,826 | 1/2 | 74,943 | 1/2 | 90,059 | 1/2 | 105,173 | 1/2 | 120,280 | 1/2 | 135,350 | 1/2 | 148,947 |
| 3/4 | 14,806 | 3/4 | 29,922 | 3/4 | 45,031 | 3/4 | 60,141 | 3/4 | 75,258 | 3/4 | 90,374 | 3/4 | 105,488 | 3/4 | 120,594 | 3/4 | 135,663 | 3/4 | 149,117 |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP LIP OF 2" "HERMETIC" VALVE

GAUGE POINT: (HERMETIC) LOCATED 10'-09" OFF CENTERLINE AND 55'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



# BARGE "CBC 385"

## 3 PORT INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-08 1/4"

| IN  | 10 FT.  | IN  | 11 FT.  | IN  | 12 FT.  | IN  | 13 FT.  | IN  | 14 FT.  | IN  | 15 FT. | IN  | 16 FT. | IN  | 17 FT. | IN  | 18 FT. | IN  | 19 FT. |
|-----|---------|-----|---------|-----|---------|-----|---------|-----|---------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|
| 0   | 149,286 | 0   | 157,415 | 0   | 165,545 | 0   | 173,674 | 0   | 181,770 | 0   |        | 0   |        | 0   |        | 0   |        | 0   |        |
| 1/4 | 149,455 | 1/4 | 157,585 | 1/4 | 165,714 | 1/4 | 173,843 | 1/4 | 181,937 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 149,625 | 1/2 | 157,754 | 1/2 | 165,883 | 1/2 | 174,013 | 1/2 | 182,104 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 149,794 | 3/4 | 157,923 | 3/4 | 166,053 | 3/4 | 174,182 | 3/4 | 182,271 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 1   | 149,963 | 1   | 158,093 | 1   | 166,222 | 1   | 174,351 | 1   | 182,438 | 1   |        | 1   |        | 1   |        | 1   |        | 1   |        |
| 1/4 | 150,133 | 1/4 | 158,262 | 1/4 | 166,391 | 1/4 | 174,520 | 1/4 | 182,606 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 150,302 | 1/2 | 158,431 | 1/2 | 166,561 | 1/2 | 174,689 | 1/2 | 182,773 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 150,472 | 3/4 | 158,601 | 3/4 | 166,730 | 3/4 | 174,858 | 3/4 | 182,940 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 2   | 150,641 | 2   | 158,770 | 2   | 166,900 | 2   | 175,026 | 2   | 183,107 | 2   |        | 2   |        | 2   |        | 2   |        | 2   |        |
| 1/4 | 150,810 | 1/4 | 158,940 | 1/4 | 167,069 | 1/4 | 175,195 | 1/4 | 183,274 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 150,980 | 1/2 | 159,109 | 1/2 | 167,238 | 1/2 | 175,364 | 1/2 | 183,441 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 151,149 | 3/4 | 159,278 | 3/4 | 167,408 | 3/4 | 175,533 | 3/4 | 183,608 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 3   | 151,318 | 3   | 159,448 | 3   | 167,577 | 3   | 175,701 | 3   | 183,775 | 3   |        | 3   |        | 3   |        | 3   |        | 3   |        |
| 1/4 | 151,488 | 1/4 | 159,617 | 1/4 | 167,746 | 1/4 | 175,870 | 1/4 | 183,942 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 151,657 | 1/2 | 159,786 | 1/2 | 167,916 | 1/2 | 176,039 | 1/2 | 184,109 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 151,826 | 3/4 | 159,956 | 3/4 | 168,085 | 3/4 | 176,208 | 3/4 | 184,275 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 4   | 151,996 | 4   | 160,125 | 4   | 168,254 | 4   | 176,376 | 4   | 184,442 | 4   |        | 4   |        | 4   |        | 4   |        | 4   |        |
| 1/4 | 152,165 | 1/4 | 160,294 | 1/4 | 168,424 | 1/4 | 176,545 | 1/4 | 184,608 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 152,334 | 1/2 | 160,464 | 1/2 | 168,593 | 1/2 | 176,714 | 1/2 | 184,773 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 152,504 | 3/4 | 160,633 | 3/4 | 168,762 | 3/4 | 176,883 | 3/4 | 184,939 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 5   | 152,673 | 5   | 160,803 | 5   | 168,932 | 5   | 177,051 | 5   | 185,105 | 5   |        | 5   |        | 5   |        | 5   |        | 5   |        |
| 1/4 | 152,843 | 1/4 | 160,972 | 1/4 | 169,101 | 1/4 | 177,220 | 1/4 | 185,245 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 153,012 | 1/2 | 161,141 | 1/2 | 169,271 | 1/2 | 177,389 | 1/2 | 185,386 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 153,181 | 3/4 | 161,311 | 3/4 | 169,440 | 3/4 | 177,558 | 3/4 | 185,527 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 6   | 153,351 | 6   | 161,480 | 6   | 169,609 | 6   | 177,726 | 6   | 185,668 | 6   |        | 6   |        | 6   |        | 6   |        | 6   |        |
| 1/4 | 153,520 | 1/4 | 161,649 | 1/4 | 169,779 | 1/4 | 177,895 | 1/4 | 185,756 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 153,689 | 1/2 | 161,819 | 1/2 | 169,948 | 1/2 | 178,064 | 1/2 | 185,845 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 153,859 | 3/4 | 161,988 | 3/4 | 170,117 | 3/4 | 178,233 | 3/4 | 185,933 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 7   | 154,028 | 7   | 162,157 | 7   | 170,287 | 7   | 178,401 | 7   | 186,022 | 7   |        | 7   |        | 7   |        | 7   |        | 7   |        |
| 1/4 | 154,197 | 1/4 | 162,327 | 1/4 | 170,456 | 1/4 | 178,570 | 1/4 | 186,058 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 154,367 | 1/2 | 162,496 | 1/2 | 170,625 | 1/2 | 178,739 | 1/2 | 186,095 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 154,536 | 3/4 | 162,665 | 3/4 | 170,795 | 3/4 | 178,908 | 3/4 | 186,131 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 8   | 154,706 | 8   | 162,835 | 8   | 170,964 | 8   | 179,076 | 8   | 186,168 | 8   |        | 8   |        | 8   |        | 8   |        | 8   |        |
| 1/4 | 154,875 | 1/4 | 163,004 | 1/4 | 171,134 | 1/4 | 179,245 | 1/4 |         | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 155,044 | 1/2 | 163,174 | 1/2 | 171,303 | 1/2 | 179,414 | 1/2 |         | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 155,214 | 3/4 | 163,343 | 3/4 | 171,472 | 3/4 | 179,583 | 3/4 |         | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 9   | 155,383 | 9   | 163,512 | 9   | 171,642 | 9   | 179,751 | 9   |         | 9   |        | 9   |        | 9   |        | 9   |        | 9   |        |
| 1/4 | 155,552 | 1/4 | 163,682 | 1/4 | 171,811 | 1/4 | 179,920 | 1/4 |         | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 155,722 | 1/2 | 163,851 | 1/2 | 171,980 | 1/2 | 180,089 | 1/2 |         | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 155,891 | 3/4 | 164,020 | 3/4 | 172,150 | 3/4 | 180,258 | 3/4 |         | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 10  | 156,060 | 10  | 164,190 | 10  | 172,319 | 10  | 180,426 | 10  |         | 10  |        | 10  |        | 10  |        | 10  |        | 10  |        |
| 1/4 | 156,230 | 1/4 | 164,359 | 1/4 | 172,488 | 1/4 | 180,595 | 1/4 |         | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 156,399 | 1/2 | 164,528 | 1/2 | 172,658 | 1/2 | 180,764 | 1/2 |         | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 156,569 | 3/4 | 164,698 | 3/4 | 172,827 | 3/4 | 180,933 | 3/4 |         | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 11  | 156,738 | 11  | 164,867 | 11  | 172,996 | 11  | 181,101 | 11  |         | 11  |        | 11  |        | 11  |        | 11  |        | 11  |        |
| 1/4 | 156,907 | 1/4 | 165,037 | 1/4 | 173,166 | 1/4 | 181,268 | 1/4 |         | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 157,077 | 1/2 | 165,206 | 1/2 | 173,335 | 1/2 | 181,436 | 1/2 |         | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 157,246 | 3/4 | 165,375 | 3/4 | 173,505 | 3/4 | 181,603 | 3/4 |         | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/25/2013 CL  
CALCULATED: 06/25/2013 CL  
PRINTED: 06/26/2013 SW

CANCELS AND SUPERCEDES  
ALL PRIOR TO 06/2013

PRECISION MEASUREMENT  
& ANALYSIS, INC.  
P.O. Box 2092  
Pearland, Texas 77588  
<http://www.pmacorp.net>



# BARGE "CBC 385"

3 STBD

## INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-08 1/2"

| IN  | 0 FT.  | IN  | 1 FT.  | IN  | 2 FT.  | IN  | 3 FT.  | IN  | 4 FT.  | IN  | 5 FT.  | IN  | 6 FT.   | IN  | 7 FT.   | IN  | 8 FT.   | IN  | 9 FT.   |
|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|---------|-----|---------|-----|---------|-----|---------|
| 0   | 957    | 0   | 15,099 | 0   | 30,192 | 0   | 44,793 | 0   | 59,615 | 0   | 74,683 | 0   | 89,771  | 0   | 104,856 | 0   | 119,933 | 0   | 134,966 |
| 1/4 | 1,141  | 1/4 | 15,413 | 1/4 | 30,506 | 1/4 | 45,093 | 1/4 | 59,927 | 1/4 | 74,997 | 1/4 | 90,085  | 1/4 | 105,171 | 1/4 | 120,247 | 1/4 | 135,278 |
| 1/2 | 1,325  | 1/2 | 15,728 | 1/2 | 30,821 | 1/2 | 45,393 | 1/2 | 60,238 | 1/2 | 75,312 | 1/2 | 90,400  | 1/2 | 105,485 | 1/2 | 120,561 | 1/2 | 135,590 |
| 3/4 | 1,508  | 3/4 | 16,042 | 3/4 | 31,135 | 3/4 | 45,693 | 3/4 | 60,550 | 3/4 | 75,626 | 3/4 | 90,714  | 3/4 | 105,799 | 3/4 | 120,875 | 3/4 | 135,902 |
| 1   | 1,692  | 1   | 16,356 | 1   | 31,450 | 1   | 45,994 | 1   | 60,862 | 1   | 75,941 | 1   | 91,028  | 1   | 106,113 | 1   | 121,188 | 1   | 136,215 |
| 1/4 | 1,928  | 1/4 | 16,671 | 1/4 | 31,764 | 1/4 | 46,294 | 1/4 | 61,174 | 1/4 | 76,255 | 1/4 | 91,342  | 1/4 | 106,428 | 1/4 | 121,502 | 1/4 | 136,527 |
| 1/2 | 2,164  | 1/2 | 16,985 | 1/2 | 32,079 | 1/2 | 46,594 | 1/2 | 61,485 | 1/2 | 76,569 | 1/2 | 91,657  | 1/2 | 106,742 | 1/2 | 121,815 | 1/2 | 136,839 |
| 3/4 | 2,399  | 3/4 | 17,300 | 3/4 | 32,393 | 3/4 | 46,894 | 3/4 | 61,797 | 3/4 | 76,884 | 3/4 | 91,971  | 3/4 | 107,056 | 3/4 | 122,128 | 3/4 | 137,151 |
| 2   | 2,635  | 2   | 17,614 | 2   | 32,707 | 2   | 47,195 | 2   | 62,109 | 2   | 77,198 | 2   | 92,285  | 2   | 107,371 | 2   | 122,442 | 2   | 137,463 |
| 1/4 | 2,923  | 1/4 | 17,929 | 1/4 | 33,022 | 1/4 | 47,495 | 1/4 | 62,423 | 1/4 | 77,512 | 1/4 | 92,599  | 1/4 | 107,685 | 1/4 | 122,755 | 1/4 | 137,776 |
| 1/2 | 3,210  | 1/2 | 18,243 | 1/2 | 33,336 | 1/2 | 47,795 | 1/2 | 62,738 | 1/2 | 77,827 | 1/2 | 92,914  | 1/2 | 107,999 | 1/2 | 123,068 | 1/2 | 138,088 |
| 3/4 | 3,498  | 3/4 | 18,558 | 3/4 | 33,651 | 3/4 | 48,096 | 3/4 | 63,052 | 3/4 | 78,141 | 3/4 | 93,228  | 3/4 | 108,313 | 3/4 | 123,382 | 3/4 | 138,400 |
| 3   | 3,786  | 3   | 18,872 | 3   | 33,965 | 3   | 48,396 | 3   | 63,366 | 3   | 78,455 | 3   | 93,542  | 3   | 108,628 | 3   | 123,695 | 3   | 138,712 |
| 1/4 | 4,099  | 1/4 | 19,186 | 1/4 | 34,268 | 1/4 | 48,708 | 1/4 | 63,681 | 1/4 | 78,770 | 1/4 | 93,857  | 1/4 | 108,942 | 1/4 | 124,009 | 1/4 | 139,025 |
| 1/2 | 4,412  | 1/2 | 19,501 | 1/2 | 34,570 | 1/2 | 49,020 | 1/2 | 63,995 | 1/2 | 79,084 | 1/2 | 94,171  | 1/2 | 109,256 | 1/2 | 124,322 | 1/2 | 139,338 |
| 3/4 | 4,725  | 3/4 | 19,815 | 3/4 | 34,873 | 3/4 | 49,332 | 3/4 | 64,309 | 3/4 | 79,398 | 3/4 | 94,485  | 3/4 | 109,570 | 3/4 | 124,635 | 3/4 | 139,651 |
| 4   | 5,038  | 4   | 20,130 | 4   | 35,175 | 4   | 49,645 | 4   | 64,624 | 4   | 79,713 | 4   | 94,799  | 4   | 109,885 | 4   | 124,949 | 4   | 139,964 |
| 1/4 | 5,352  | 1/4 | 20,444 | 1/4 | 35,477 | 1/4 | 49,955 | 1/4 | 64,938 | 1/4 | 80,027 | 1/4 | 95,114  | 1/4 | 110,199 | 1/4 | 125,262 | 1/4 | 140,277 |
| 1/2 | 5,666  | 1/2 | 20,759 | 1/2 | 35,778 | 1/2 | 50,266 | 1/2 | 65,252 | 1/2 | 80,342 | 1/2 | 95,428  | 1/2 | 110,513 | 1/2 | 125,575 | 1/2 | 140,590 |
| 3/4 | 5,980  | 3/4 | 21,073 | 3/4 | 36,079 | 3/4 | 50,577 | 3/4 | 65,567 | 3/4 | 80,656 | 3/4 | 95,742  | 3/4 | 110,827 | 3/4 | 125,889 | 3/4 | 140,903 |
| 5   | 6,295  | 5   | 21,388 | 5   | 36,381 | 5   | 50,888 | 5   | 65,881 | 5   | 80,970 | 5   | 96,057  | 5   | 111,141 | 5   | 126,202 | 5   | 141,216 |
| 1/4 | 6,609  | 1/4 | 21,702 | 1/4 | 36,682 | 1/4 | 51,199 | 1/4 | 66,196 | 1/4 | 81,285 | 1/4 | 96,371  | 1/4 | 111,456 | 1/4 | 126,515 | 1/4 | 141,529 |
| 1/2 | 6,923  | 1/2 | 22,016 | 1/2 | 36,983 | 1/2 | 51,510 | 1/2 | 66,510 | 1/2 | 81,599 | 1/2 | 96,685  | 1/2 | 111,770 | 1/2 | 126,829 | 1/2 | 141,841 |
| 3/4 | 7,238  | 3/4 | 22,331 | 3/4 | 37,285 | 3/4 | 51,822 | 3/4 | 66,824 | 3/4 | 81,913 | 3/4 | 96,999  | 3/4 | 112,084 | 3/4 | 127,142 | 3/4 | 142,154 |
| 6   | 7,552  | 6   | 22,645 | 6   | 37,586 | 6   | 52,133 | 6   | 67,139 | 6   | 82,228 | 6   | 97,314  | 6   | 112,398 | 6   | 127,456 | 6   | 142,467 |
| 1/4 | 7,867  | 1/4 | 22,960 | 1/4 | 37,886 | 1/4 | 52,444 | 1/4 | 67,453 | 1/4 | 82,542 | 1/4 | 97,628  | 1/4 | 112,713 | 1/4 | 127,769 | 1/4 | 142,780 |
| 1/2 | 8,181  | 1/2 | 23,274 | 1/2 | 38,187 | 1/2 | 52,756 | 1/2 | 67,767 | 1/2 | 82,856 | 1/2 | 97,942  | 1/2 | 113,027 | 1/2 | 128,082 | 1/2 | 143,093 |
| 3/4 | 8,495  | 3/4 | 23,589 | 3/4 | 38,487 | 3/4 | 53,068 | 3/4 | 68,082 | 3/4 | 83,171 | 3/4 | 98,256  | 3/4 | 113,341 | 3/4 | 128,396 | 3/4 | 143,406 |
| 7   | 8,810  | 7   | 23,903 | 7   | 38,787 | 7   | 53,380 | 7   | 68,396 | 7   | 83,485 | 7   | 98,571  | 7   | 113,655 | 7   | 128,709 | 7   | 143,719 |
| 1/4 | 9,124  | 1/4 | 24,217 | 1/4 | 39,088 | 1/4 | 53,691 | 1/4 | 68,710 | 1/4 | 83,799 | 1/4 | 98,885  | 1/4 | 113,969 | 1/4 | 129,023 | 1/4 | 144,032 |
| 1/2 | 9,439  | 1/2 | 24,532 | 1/2 | 39,388 | 1/2 | 54,003 | 1/2 | 69,025 | 1/2 | 84,114 | 1/2 | 99,199  | 1/2 | 114,284 | 1/2 | 129,336 | 1/2 | 144,345 |
| 3/4 | 9,753  | 3/4 | 24,846 | 3/4 | 39,688 | 3/4 | 54,315 | 3/4 | 69,339 | 3/4 | 84,428 | 3/4 | 99,514  | 3/4 | 114,598 | 3/4 | 129,650 | 3/4 | 144,658 |
| 8   | 10,068 | 8   | 25,161 | 8   | 39,988 | 8   | 54,627 | 8   | 69,653 | 8   | 84,742 | 8   | 99,828  | 8   | 114,912 | 8   | 129,964 | 8   | 144,971 |
| 1/4 | 10,382 | 1/4 | 25,475 | 1/4 | 40,289 | 1/4 | 54,938 | 1/4 | 69,968 | 1/4 | 85,057 | 1/4 | 100,142 | 1/4 | 115,226 | 1/4 | 130,277 | 1/4 | 145,283 |
| 1/2 | 10,697 | 1/2 | 25,790 | 1/2 | 40,589 | 1/2 | 55,250 | 1/2 | 70,282 | 1/2 | 85,371 | 1/2 | 100,456 | 1/2 | 115,541 | 1/2 | 130,591 | 1/2 | 145,596 |
| 3/4 | 11,011 | 3/4 | 26,104 | 3/4 | 40,889 | 3/4 | 55,562 | 3/4 | 70,597 | 3/4 | 85,685 | 3/4 | 100,771 | 3/4 | 115,855 | 3/4 | 130,905 | 3/4 | 145,909 |
| 9   | 11,325 | 9   | 26,419 | 9   | 41,190 | 9   | 55,874 | 9   | 70,911 | 9   | 86,000 | 9   | 101,085 | 9   | 116,169 | 9   | 131,219 | 9   | 146,222 |
| 1/4 | 11,640 | 1/4 | 26,733 | 1/4 | 41,490 | 1/4 | 56,185 | 1/4 | 71,225 | 1/4 | 86,314 | 1/4 | 101,399 | 1/4 | 116,483 | 1/4 | 131,531 | 1/4 | 146,391 |
| 1/2 | 11,954 | 1/2 | 27,047 | 1/2 | 41,790 | 1/2 | 56,497 | 1/2 | 71,540 | 1/2 | 86,628 | 1/2 | 101,714 | 1/2 | 116,797 | 1/2 | 131,843 | 1/2 | 146,560 |
| 3/4 | 12,269 | 3/4 | 27,362 | 3/4 | 42,090 | 3/4 | 56,809 | 3/4 | 71,854 | 3/4 | 86,942 | 3/4 | 102,028 | 3/4 | 117,110 | 3/4 | 132,155 | 3/4 | 146,728 |
| 10  | 12,583 | 10  | 27,676 | 10  | 42,391 | 10  | 57,121 | 10  | 72,168 | 10  | 87,257 | 10  | 102,342 | 10  | 117,424 | 10  | 132,468 | 10  | 146,897 |
| 1/4 | 12,898 | 1/4 | 27,991 | 1/4 | 42,691 | 1/4 | 57,433 | 1/4 | 72,483 | 1/4 | 87,571 | 1/4 | 102,656 | 1/4 | 117,738 | 1/4 | 132,780 | 1/4 | 147,066 |
| 1/2 | 13,212 | 1/2 | 28,305 | 1/2 | 42,991 | 1/2 | 57,744 | 1/2 | 72,797 | 1/2 | 87,885 | 1/2 | 102,971 | 1/2 | 118,051 | 1/2 | 133,092 | 1/2 | 147,235 |
| 3/4 | 13,526 | 3/4 | 28,620 | 3/4 | 43,291 | 3/4 | 58,056 | 3/4 | 73,111 | 3/4 | 88,200 | 3/4 | 103,285 | 3/4 | 118,365 | 3/4 | 133,404 | 3/4 | 147,404 |
| 11  | 13,841 | 11  | 28,934 | 11  | 43,592 | 11  | 58,368 | 11  | 73,426 | 11  | 88,514 | 11  | 103,599 | 11  | 118,679 | 11  | 133,717 | 11  | 147,572 |
| 1/4 | 14,155 | 1/4 | 29,249 | 1/4 | 43,892 | 1/4 | 58,680 | 1/4 | 73,740 | 1/4 | 88,828 | 1/4 | 103,914 | 1/4 | 118,992 | 1/4 | 134,029 | 1/4 | 147,741 |
| 1/2 | 14,470 | 1/2 | 29,563 | 1/2 | 44,192 | 1/2 | 58,991 | 1/2 | 74,054 | 1/2 | 89,142 | 1/2 | 104,228 | 1/2 | 119,306 | 1/2 | 134,341 | 1/2 | 147,910 |
| 3/4 | 14,784 | 3/4 | 29,877 | 3/4 | 44,492 | 3/4 | 59,303 | 3/4 | 74,369 | 3/4 | 89,457 | 3/4 | 104,542 | 3/4 | 119,620 | 3/4 | 134,653 | 3/4 | 148,079 |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP LIP OF 2" "HERMETIC" VALVE

GAUGE POINT: (HERMETIC) LOCATED 10'-09" OFF CENTERLINE AND 55'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



# BARGE "CBC 385"

**3 STBD**  
**INNAGE TABLE**

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-08 1/2"

| IN  | 10 FT.  | IN  | 11 FT.  | IN  | 12 FT.  | IN  | 13 FT.  | IN  | 14 FT.  | IN  | 15 FT. | IN  | 16 FT. | IN  | 17 FT. | IN  | 18 FT. | IN  | 19 FT. |
|-----|---------|-----|---------|-----|---------|-----|---------|-----|---------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|
| 0   | 148,247 | 0   | 156,348 | 0   | 164,450 | 0   | 172,551 | 0   | 180,618 | 0   |        | 0   |        | 0   |        | 0   |        | 0   |        |
| 1/4 | 148,416 | 1/4 | 156,517 | 1/4 | 164,618 | 1/4 | 172,719 | 1/4 | 180,785 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 148,585 | 1/2 | 156,686 | 1/2 | 164,787 | 1/2 | 172,888 | 1/2 | 180,951 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 148,754 | 3/4 | 156,855 | 3/4 | 164,956 | 3/4 | 173,057 | 3/4 | 181,118 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 1   | 148,922 | 1   | 157,024 | 1   | 165,125 | 1   | 173,226 | 1   | 181,284 | 1   |        | 1   |        | 1   |        | 1   |        | 1   |        |
| 1/4 | 149,091 | 1/4 | 157,192 | 1/4 | 165,293 | 1/4 | 173,394 | 1/4 | 181,451 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 149,260 | 1/2 | 157,361 | 1/2 | 165,462 | 1/2 | 173,562 | 1/2 | 181,618 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 149,429 | 3/4 | 157,530 | 3/4 | 165,631 | 3/4 | 173,730 | 3/4 | 181,784 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 2   | 149,598 | 2   | 157,699 | 2   | 165,800 | 2   | 173,898 | 2   | 181,951 | 2   |        | 2   |        | 2   |        | 2   |        | 2   |        |
| 1/4 | 149,766 | 1/4 | 157,867 | 1/4 | 165,968 | 1/4 | 174,066 | 1/4 | 182,117 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 149,935 | 1/2 | 158,036 | 1/2 | 166,137 | 1/2 | 174,235 | 1/2 | 182,284 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 150,104 | 3/4 | 158,205 | 3/4 | 166,306 | 3/4 | 174,403 | 3/4 | 182,450 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 3   | 150,273 | 3   | 158,374 | 3   | 166,475 | 3   | 174,571 | 3   | 182,617 | 3   |        | 3   |        | 3   |        | 3   |        | 3   |        |
| 1/4 | 150,441 | 1/4 | 158,542 | 1/4 | 166,644 | 1/4 | 174,739 | 1/4 | 182,783 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 150,610 | 1/2 | 158,711 | 1/2 | 166,812 | 1/2 | 174,907 | 1/2 | 182,949 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 150,779 | 3/4 | 158,880 | 3/4 | 166,981 | 3/4 | 175,075 | 3/4 | 183,115 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 4   | 150,948 | 4   | 159,049 | 4   | 167,150 | 4   | 175,244 | 4   | 183,281 | 4   |        | 4   |        | 4   |        | 4   |        | 4   |        |
| 1/4 | 151,117 | 1/4 | 159,218 | 1/4 | 167,319 | 1/4 | 175,412 | 1/4 | 183,446 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 151,285 | 1/2 | 159,386 | 1/2 | 167,487 | 1/2 | 175,580 | 1/2 | 183,611 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 151,454 | 3/4 | 159,555 | 3/4 | 167,656 | 3/4 | 175,748 | 3/4 | 183,776 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 5   | 151,623 | 5   | 159,724 | 5   | 167,825 | 5   | 175,916 | 5   | 183,941 | 5   |        | 5   |        | 5   |        | 5   |        | 5   |        |
| 1/4 | 151,792 | 1/4 | 159,893 | 1/4 | 167,994 | 1/4 | 176,084 | 1/4 | 184,082 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 151,960 | 1/2 | 160,061 | 1/2 | 168,162 | 1/2 | 176,253 | 1/2 | 184,222 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 152,129 | 3/4 | 160,230 | 3/4 | 168,331 | 3/4 | 176,421 | 3/4 | 184,362 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 6   | 152,298 | 6   | 160,399 | 6   | 168,500 | 6   | 176,589 | 6   | 184,502 | 6   |        | 6   |        | 6   |        | 6   |        | 6   |        |
| 1/4 | 152,467 | 1/4 | 160,568 | 1/4 | 168,669 | 1/4 | 176,757 | 1/4 | 184,590 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 152,635 | 1/2 | 160,737 | 1/2 | 168,838 | 1/2 | 176,925 | 1/2 | 184,678 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 152,804 | 3/4 | 160,905 | 3/4 | 169,006 | 3/4 | 177,093 | 3/4 | 184,766 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 7   | 152,973 | 7   | 161,074 | 7   | 169,175 | 7   | 177,262 | 7   | 184,854 | 7   |        | 7   |        | 7   |        | 7   |        | 7   |        |
| 1/4 | 153,142 | 1/4 | 161,243 | 1/4 | 169,344 | 1/4 | 177,430 | 1/4 | 184,890 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 153,311 | 1/2 | 161,412 | 1/2 | 169,513 | 1/2 | 177,598 | 1/2 | 184,926 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 153,479 | 3/4 | 161,580 | 3/4 | 169,681 | 3/4 | 177,766 | 3/4 | 184,961 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 8   | 153,648 | 8   | 161,749 | 8   | 169,850 | 8   | 177,934 | 8   | 184,997 | 8   |        | 8   |        | 8   |        | 8   |        | 8   |        |
| 1/4 | 153,817 | 1/4 | 161,918 | 1/4 | 170,019 | 1/4 | 178,102 | 1/4 |         | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 153,986 | 1/2 | 162,087 | 1/2 | 170,188 | 1/2 | 178,270 | 1/2 |         | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 154,154 | 3/4 | 162,255 | 3/4 | 170,357 | 3/4 | 178,439 | 3/4 |         | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 9   | 154,323 | 9   | 162,424 | 9   | 170,525 | 9   | 178,607 | 9   |         | 9   |        | 9   |        | 9   |        | 9   |        | 9   |        |
| 1/4 | 154,492 | 1/4 | 162,593 | 1/4 | 170,694 | 1/4 | 178,775 | 1/4 |         | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 154,661 | 1/2 | 162,762 | 1/2 | 170,863 | 1/2 | 178,943 | 1/2 |         | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 154,829 | 3/4 | 162,931 | 3/4 | 171,032 | 3/4 | 179,111 | 3/4 |         | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 10  | 154,998 | 10  | 163,099 | 10  | 171,200 | 10  | 179,279 | 10  |         | 10  |        | 10  |        | 10  |        | 10  |        | 10  |        |
| 1/4 | 155,167 | 1/4 | 163,268 | 1/4 | 171,369 | 1/4 | 179,448 | 1/4 |         | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 155,336 | 1/2 | 163,437 | 1/2 | 171,538 | 1/2 | 179,616 | 1/2 |         | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 155,505 | 3/4 | 163,606 | 3/4 | 171,707 | 3/4 | 179,784 | 3/4 |         | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 11  | 155,673 | 11  | 163,774 | 11  | 171,875 | 11  | 179,952 | 11  |         | 11  |        | 11  |        | 11  |        | 11  |        | 11  |        |
| 1/4 | 155,842 | 1/4 | 163,943 | 1/4 | 172,044 | 1/4 | 180,119 | 1/4 |         | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 156,011 | 1/2 | 164,112 | 1/2 | 172,213 | 1/2 | 180,285 | 1/2 |         | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 156,180 | 3/4 | 164,281 | 3/4 | 172,382 | 3/4 | 180,452 | 3/4 |         | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/25/2013 CL  
CALCULATED: 06/25/2013 CL  
PRINTED: 06/26/2013 SW

CANCELS AND SUPERCEDES  
ALL PRIOR TO 06/2013

PRECISION MEASUREMENT  
& ANALYSIS, INC.  
P.O. Box 2092  
Pearland, Texas 77588  
<http://www.pmacorp.net>



# BARGE "CBC 385"

## ULLAGE TRIM TABLE

|        | 1 FT.      |              | 2 FT.      |              | 3 FT.      |              | 4 FT.      |              | 5 FT.      |              | 6 FT.      |              |
|--------|------------|--------------|------------|--------------|------------|--------------|------------|--------------|------------|--------------|------------|--------------|
|        | <u>BOW</u> | <u>STERN</u> | <u>BOW</u> | <u>STERN</u> | <u>BOW</u> | <u>STERN</u> | <u>BOW</u> | <u>STERN</u> | <u>BOW</u> | <u>STERN</u> | <u>BOW</u> | <u>STERN</u> |
| 1 PORT | - 00-0/8   | 00-0/8       | - 00-1/8   | 00-1/8       | - 00-1/8   | 00-1/8       | - 00-1/4   | 00-1/4       | - 00-1/4   | 00-1/4       | - 00-1/4   | 00-1/4       |
| 1 STBD | - 00-0/8   | 00-0/8       | - 00-1/8   | 00-1/8       | - 00-1/8   | 00-1/8       | - 00-1/4   | 00-1/4       | - 00-1/4   | 00-1/4       | - 00-1/4   | 00-1/4       |
| 2 PORT | - 00-0/8   | 00-0/8       | - 00-1/8   | 00-1/8       | - 00-1/8   | 00-1/8       | - 00-1/4   | 00-1/4       | - 00-1/4   | 00-1/4       | - 00-1/4   | 00-1/4       |
| 2 STBD | - 00-0/8   | 00-0/8       | - 00-1/8   | 00-1/8       | - 00-1/8   | 00-1/8       | - 00-1/4   | 00-1/4       | - 00-1/4   | 00-1/4       | - 00-1/4   | 00-1/4       |
| 3 PORT | 00-1/2     | - 00-1/2     | 01-1/8     | - 01-1/8     | 01-5/8     | - 01-5/8     | 02-1/4     | - 02-1/4     | 02-3/4     | - 02-3/4     | 03-3/8     | - 03-3/8     |
| 3 STBD | 00-1/2     | - 00-1/2     | 01-1/8     | - 01-1/8     | 01-5/8     | - 01-5/8     | 02-1/4     | - 02-1/4     | 02-3/4     | - 02-3/4     | 03-3/8     | - 03-3/8     |

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

FWD. DRAFT = 4'-00"  
 AFT DRAFT = 6'-00"  
 DIFF. = 2'-00" (DOWN BY STERN)

THE CORRECTION FOR 2'-00" TRIM DOWN BY STERN FOR 1 PORT IS 00-1/8"  
 FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 1 PORT, THE TRIM CORRECTED ULLAGE IS 4'-00 1/8"

LENGTH BETWEEN DRAFT MARKS: 253'-09"

June 25, 2013

PRECISION MEASUREMENT  
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# BARGE "CBC 385"

## 1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-08 1/4"

| IN  | 0 FT. | IN  | 1 FT.   | IN  | 2 FT.   | IN  | 3 FT.   | IN  | 4 FT.   | IN  | 5 FT.   | IN  | 6 FT.   | IN  | 7 FT.   | IN  | 8 FT.   | IN  | 9 FT.   |
|-----|-------|-----|---------|-----|---------|-----|---------|-----|---------|-----|---------|-----|---------|-----|---------|-----|---------|-----|---------|
| 0   |       | 0   |         | 0   | 208,422 | 0   | 193,230 | 0   | 178,002 | 0   | 162,773 | 0   | 147,545 | 0   | 132,317 | 0   | 117,089 | 0   | 101,858 |
| 1/4 |       | 1/4 | 222,216 | 1/4 | 208,106 | 1/4 | 192,912 | 1/4 | 177,684 | 1/4 | 162,456 | 1/4 | 147,228 | 1/4 | 132,000 | 1/4 | 116,772 | 1/4 | 101,540 |
| 1/2 |       | 1/2 | 222,034 | 1/2 | 207,790 | 1/2 | 192,595 | 1/2 | 177,367 | 1/2 | 162,139 | 1/2 | 146,911 | 1/2 | 131,683 | 1/2 | 116,454 | 1/2 | 101,223 |
| 3/4 |       | 3/4 | 221,852 | 3/4 | 207,474 | 3/4 | 192,278 | 3/4 | 177,050 | 3/4 | 161,822 | 3/4 | 146,593 | 3/4 | 131,365 | 3/4 | 116,137 | 3/4 | 100,906 |
| 1   |       | 1   | 221,670 | 1   | 207,158 | 1   | 191,961 | 1   | 176,733 | 1   | 161,504 | 1   | 146,276 | 1   | 131,048 | 1   | 115,820 | 1   | 100,588 |
| 1/4 |       | 1/4 | 221,488 | 1/4 | 206,842 | 1/4 | 191,643 | 1/4 | 176,415 | 1/4 | 161,187 | 1/4 | 145,959 | 1/4 | 130,731 | 1/4 | 115,503 | 1/4 | 100,271 |
| 1/2 |       | 1/2 | 221,254 | 1/2 | 206,526 | 1/2 | 191,326 | 1/2 | 176,098 | 1/2 | 160,870 | 1/2 | 145,642 | 1/2 | 130,414 | 1/2 | 115,185 | 1/2 | 99,953  |
| 3/4 |       | 3/4 | 221,020 | 3/4 | 206,210 | 3/4 | 191,009 | 3/4 | 175,781 | 3/4 | 160,553 | 3/4 | 145,324 | 3/4 | 130,096 | 3/4 | 114,868 | 3/4 | 99,636  |
| 2   |       | 2   | 220,786 | 2   | 205,894 | 2   | 190,692 | 2   | 175,463 | 2   | 160,235 | 2   | 145,007 | 2   | 129,779 | 2   | 114,551 | 2   | 99,319  |
| 1/4 |       | 1/4 | 220,553 | 1/4 | 205,578 | 1/4 | 190,374 | 1/4 | 175,146 | 1/4 | 159,918 | 1/4 | 144,690 | 1/4 | 129,462 | 1/4 | 114,234 | 1/4 | 99,001  |
| 1/2 |       | 1/2 | 220,266 | 1/2 | 205,262 | 1/2 | 190,057 | 1/2 | 174,829 | 1/2 | 159,601 | 1/2 | 144,373 | 1/2 | 129,145 | 1/2 | 113,916 | 1/2 | 98,684  |
| 3/4 |       | 3/4 | 219,980 | 3/4 | 204,946 | 3/4 | 189,740 | 3/4 | 174,512 | 3/4 | 159,284 | 3/4 | 144,055 | 3/4 | 128,827 | 3/4 | 113,599 | 3/4 | 98,367  |
| 3   |       | 3   | 219,693 | 3   | 204,630 | 3   | 189,423 | 3   | 174,194 | 3   | 158,966 | 3   | 143,738 | 3   | 128,510 | 3   | 113,282 | 3   | 98,049  |
| 1/4 |       | 1/4 | 219,406 | 1/4 | 204,314 | 1/4 | 189,105 | 1/4 | 173,877 | 1/4 | 158,649 | 1/4 | 143,421 | 1/4 | 128,193 | 1/4 | 112,965 | 1/4 | 97,732  |
| 1/2 |       | 1/2 | 219,095 | 1/2 | 203,998 | 1/2 | 188,788 | 1/2 | 173,560 | 1/2 | 158,332 | 1/2 | 143,104 | 1/2 | 127,876 | 1/2 | 112,647 | 1/2 | 97,414  |
| 3/4 |       | 3/4 | 218,783 | 3/4 | 203,682 | 3/4 | 188,471 | 3/4 | 173,243 | 3/4 | 158,015 | 3/4 | 142,786 | 3/4 | 127,558 | 3/4 | 112,330 | 3/4 | 97,097  |
| 4   |       | 4   | 218,472 | 4   | 203,366 | 4   | 188,154 | 4   | 172,925 | 4   | 157,697 | 4   | 142,469 | 4   | 127,241 | 4   | 112,013 | 4   | 96,780  |
| 1/4 |       | 1/4 | 218,160 | 1/4 | 203,050 | 1/4 | 187,836 | 1/4 | 172,608 | 1/4 | 157,380 | 1/4 | 142,152 | 1/4 | 126,924 | 1/4 | 111,696 | 1/4 | 96,462  |
| 1/2 |       | 1/2 | 217,847 | 1/2 | 202,734 | 1/2 | 187,519 | 1/2 | 172,291 | 1/2 | 157,063 | 1/2 | 141,835 | 1/2 | 126,607 | 1/2 | 111,378 | 1/2 | 96,145  |
| 3/4 |       | 3/4 | 217,535 | 3/4 | 202,418 | 3/4 | 187,202 | 3/4 | 171,974 | 3/4 | 156,746 | 3/4 | 141,517 | 3/4 | 126,289 | 3/4 | 111,061 | 3/4 | 95,828  |
| 5   |       | 5   | 217,222 | 5   | 202,102 | 5   | 186,885 | 5   | 171,656 | 5   | 156,428 | 5   | 141,200 | 5   | 125,972 | 5   | 110,744 | 5   | 95,510  |
| 1/4 |       | 1/4 | 216,909 | 1/4 | 201,786 | 1/4 | 186,567 | 1/4 | 171,339 | 1/4 | 156,111 | 1/4 | 140,883 | 1/4 | 125,655 | 1/4 | 110,427 | 1/4 | 95,193  |
| 1/2 |       | 1/2 | 216,596 | 1/2 | 201,470 | 1/2 | 186,250 | 1/2 | 171,022 | 1/2 | 155,794 | 1/2 | 140,566 | 1/2 | 125,338 | 1/2 | 110,109 | 1/2 | 94,876  |
| 3/4 |       | 3/4 | 216,283 | 3/4 | 201,154 | 3/4 | 185,933 | 3/4 | 170,705 | 3/4 | 155,477 | 3/4 | 140,248 | 3/4 | 125,020 | 3/4 | 109,792 | 3/4 | 94,558  |
| 6   |       | 6   | 215,970 | 6   | 200,838 | 6   | 185,616 | 6   | 170,387 | 6   | 155,159 | 6   | 139,931 | 6   | 124,703 | 6   | 109,475 | 6   | 94,241  |
| 1/4 |       | 1/4 | 215,657 | 1/4 | 200,522 | 1/4 | 185,298 | 1/4 | 170,070 | 1/4 | 154,842 | 1/4 | 139,614 | 1/4 | 124,386 | 1/4 | 109,157 | 1/4 | 93,923  |
| 1/2 |       | 1/2 | 215,344 | 1/2 | 200,206 | 1/2 | 184,981 | 1/2 | 169,753 | 1/2 | 154,525 | 1/2 | 139,297 | 1/2 | 124,069 | 1/2 | 108,840 | 1/2 | 93,606  |
| 3/4 |       | 3/4 | 215,031 | 3/4 | 199,890 | 3/4 | 184,664 | 3/4 | 169,436 | 3/4 | 154,208 | 3/4 | 138,979 | 3/4 | 123,751 | 3/4 | 108,522 | 3/4 | 93,289  |
| 7   |       | 7   | 214,718 | 7   | 199,574 | 7   | 184,347 | 7   | 169,118 | 7   | 153,890 | 7   | 138,662 | 7   | 123,434 | 7   | 108,205 | 7   | 92,971  |
| 1/4 |       | 1/4 | 214,404 | 1/4 | 199,257 | 1/4 | 184,029 | 1/4 | 168,801 | 1/4 | 153,573 | 1/4 | 138,345 | 1/4 | 123,117 | 1/4 | 107,888 | 1/4 | 92,654  |
| 1/2 |       | 1/2 | 214,091 | 1/2 | 198,940 | 1/2 | 183,712 | 1/2 | 168,484 | 1/2 | 153,256 | 1/2 | 138,028 | 1/2 | 122,799 | 1/2 | 107,570 | 1/2 | 92,337  |
| 3/4 |       | 3/4 | 213,778 | 3/4 | 198,623 | 3/4 | 183,395 | 3/4 | 168,167 | 3/4 | 152,939 | 3/4 | 137,710 | 3/4 | 122,482 | 3/4 | 107,253 | 3/4 | 92,019  |
| 8   |       | 8   | 213,465 | 8   | 198,306 | 8   | 183,078 | 8   | 167,849 | 8   | 152,621 | 8   | 137,393 | 8   | 122,165 | 8   | 106,936 | 8   | 91,702  |
| 1/4 |       | 1/4 | 213,152 | 1/4 | 197,988 | 1/4 | 182,760 | 1/4 | 167,532 | 1/4 | 152,304 | 1/4 | 137,076 | 1/4 | 121,848 | 1/4 | 106,618 | 1/4 | 91,384  |
| 1/2 |       | 1/2 | 212,839 | 1/2 | 197,671 | 1/2 | 182,443 | 1/2 | 167,215 | 1/2 | 151,987 | 1/2 | 136,759 | 1/2 | 121,530 | 1/2 | 106,301 | 1/2 | 91,067  |
| 3/4 |       | 3/4 | 212,526 | 3/4 | 197,354 | 3/4 | 182,126 | 3/4 | 166,898 | 3/4 | 151,670 | 3/4 | 136,441 | 3/4 | 121,213 | 3/4 | 105,983 | 3/4 | 90,750  |
| 9   |       | 9   | 212,213 | 9   | 197,037 | 9   | 181,809 | 9   | 166,580 | 9   | 151,352 | 9   | 136,124 | 9   | 120,896 | 9   | 105,666 | 9   | 90,432  |
| 1/4 |       | 1/4 | 211,899 | 1/4 | 196,719 | 1/4 | 181,491 | 1/4 | 166,263 | 1/4 | 151,035 | 1/4 | 135,807 | 1/4 | 120,579 | 1/4 | 105,349 | 1/4 | 90,115  |
| 1/2 |       | 1/2 | 211,583 | 1/2 | 196,402 | 1/2 | 181,174 | 1/2 | 165,946 | 1/2 | 150,718 | 1/2 | 135,490 | 1/2 | 120,261 | 1/2 | 105,031 | 1/2 | 89,798  |
| 3/4 |       | 3/4 | 211,267 | 3/4 | 196,085 | 3/4 | 180,857 | 3/4 | 165,629 | 3/4 | 150,401 | 3/4 | 135,172 | 3/4 | 119,944 | 3/4 | 104,714 | 3/4 | 89,480  |
| 10  |       | 10  | 210,951 | 10  | 195,768 | 10  | 180,540 | 10  | 165,311 | 10  | 150,083 | 10  | 134,855 | 10  | 119,627 | 10  | 104,397 | 10  | 89,163  |
| 1/4 |       | 1/4 | 210,635 | 1/4 | 195,450 | 1/4 | 180,222 | 1/4 | 164,994 | 1/4 | 149,766 | 1/4 | 134,538 | 1/4 | 119,310 | 1/4 | 104,079 | 1/4 | 88,845  |
| 1/2 |       | 1/2 | 210,319 | 1/2 | 195,133 | 1/2 | 179,905 | 1/2 | 164,677 | 1/2 | 149,449 | 1/2 | 134,221 | 1/2 | 118,992 | 1/2 | 103,762 | 1/2 | 88,528  |
| 3/4 |       | 3/4 | 210,003 | 3/4 | 194,816 | 3/4 | 179,588 | 3/4 | 164,360 | 3/4 | 149,131 | 3/4 | 133,903 | 3/4 | 118,675 | 3/4 | 103,445 | 3/4 | 88,211  |
| 11  |       | 11  | 209,687 | 11  | 194,499 | 11  | 179,271 | 11  | 164,042 | 11  | 148,814 | 11  | 133,586 | 11  | 118,358 | 11  | 103,127 | 11  | 87,893  |
| 1/4 |       | 1/4 | 209,370 | 1/4 | 194,181 | 1/4 | 178,953 | 1/4 | 163,725 | 1/4 | 148,497 | 1/4 | 133,269 | 1/4 | 118,041 | 1/4 | 102,810 | 1/4 | 87,576  |
| 1/2 |       | 1/2 | 209,054 | 1/2 | 193,864 | 1/2 | 178,636 | 1/2 | 163,408 | 1/2 | 148,180 | 1/2 | 132,952 | 1/2 | 117,723 | 1/2 | 102,492 | 1/2 | 87,259  |
| 3/4 |       | 3/4 | 208,738 | 3/4 | 193,547 | 3/4 | 178,319 | 3/4 | 163,091 | 3/4 | 147,862 | 3/4 | 132,634 | 3/4 | 117,406 | 3/4 | 102,175 | 3/4 | 86,941  |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP LIP OF 2" "HERMETIC" VALVE

GAUGE POINT: (HERMETIC) LOCATED 10'-09" OFF CENTERLINE AND 42'-03" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>





# BARGE "CBC 385"

## 1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-08 1/4"

| IN  | 10 FT. | IN  | 11 FT. | IN  | 12 FT. | IN  | 13 FT. | IN  | 14 FT. | IN  | 15 FT. | IN  | 16 FT. | IN  | 17 FT. | IN  | 18 FT. | IN  | 19 FT. |
|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|
| 0   | 86,624 | 0   | 71,390 | 0   | 56,156 | 0   | 40,941 | 0   | 25,710 | 0   | 10,477 | 0   |        | 0   |        | 0   |        | 0   |        |
| 1/4 | 86,307 | 1/4 | 71,073 | 1/4 | 55,839 | 1/4 | 40,624 | 1/4 | 25,393 | 1/4 | 10,160 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 85,989 | 1/2 | 70,755 | 1/2 | 55,522 | 1/2 | 40,307 | 1/2 | 25,075 | 1/2 | 9,842  | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 85,672 | 3/4 | 70,438 | 3/4 | 55,204 | 3/4 | 39,990 | 3/4 | 24,758 | 3/4 | 9,525  | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 1   | 85,354 | 1   | 70,121 | 1   | 54,887 | 1   | 39,673 | 1   | 24,441 | 1   | 9,208  | 1   |        | 1   |        | 1   |        | 1   |        |
| 1/4 | 85,037 | 1/4 | 69,803 | 1/4 | 54,570 | 1/4 | 39,356 | 1/4 | 24,123 | 1/4 | 8,890  | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 84,720 | 1/2 | 69,486 | 1/2 | 54,252 | 1/2 | 39,039 | 1/2 | 23,806 | 1/2 | 8,573  | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 84,402 | 3/4 | 69,169 | 3/4 | 53,935 | 3/4 | 38,722 | 3/4 | 23,489 | 3/4 | 8,255  | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 2   | 84,085 | 2   | 68,851 | 2   | 53,617 | 2   | 38,404 | 2   | 23,171 | 2   | 7,938  | 2   |        | 2   |        | 2   |        | 2   |        |
| 1/4 | 83,768 | 1/4 | 68,534 | 1/4 | 53,300 | 1/4 | 38,087 | 1/4 | 22,854 | 1/4 | 7,621  | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 83,450 | 1/2 | 68,216 | 1/2 | 52,983 | 1/2 | 37,770 | 1/2 | 22,537 | 1/2 | 7,303  | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 83,133 | 3/4 | 67,899 | 3/4 | 52,665 | 3/4 | 37,452 | 3/4 | 22,219 | 3/4 | 6,986  | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 3   | 82,815 | 3   | 67,582 | 3   | 52,348 | 3   | 37,135 | 3   | 21,902 | 3   | 6,669  | 3   |        | 3   |        | 3   |        | 3   |        |
| 1/4 | 82,498 | 1/4 | 67,264 | 1/4 | 52,031 | 1/4 | 36,818 | 1/4 | 21,584 | 1/4 | 6,352  | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 82,181 | 1/2 | 66,947 | 1/2 | 51,714 | 1/2 | 36,500 | 1/2 | 21,267 | 1/2 | 6,035  | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 81,863 | 3/4 | 66,630 | 3/4 | 51,397 | 3/4 | 36,183 | 3/4 | 20,950 | 3/4 | 5,718  | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 4   | 81,546 | 4   | 66,312 | 4   | 51,080 | 4   | 35,866 | 4   | 20,632 | 4   | 5,401  | 4   |        | 4   |        | 4   |        | 4   |        |
| 1/4 | 81,229 | 1/4 | 65,995 | 1/4 | 50,763 | 1/4 | 35,548 | 1/4 | 20,315 | 1/4 | 5,084  | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 80,911 | 1/2 | 65,678 | 1/2 | 50,446 | 1/2 | 35,231 | 1/2 | 19,998 | 1/2 | 4,768  | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 80,594 | 3/4 | 65,360 | 3/4 | 50,130 | 3/4 | 34,913 | 3/4 | 19,680 | 3/4 | 4,452  | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 5   | 80,277 | 5   | 65,043 | 5   | 49,813 | 5   | 34,596 | 5   | 19,363 | 5   | 4,136  | 5   |        | 5   |        | 5   |        | 5   |        |
| 1/4 | 79,959 | 1/4 | 64,725 | 1/4 | 49,496 | 1/4 | 34,279 | 1/4 | 19,046 | 1/4 | 3,820  | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 79,642 | 1/2 | 64,408 | 1/2 | 49,179 | 1/2 | 33,961 | 1/2 | 18,728 | 1/2 | 3,530  | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 79,324 | 3/4 | 64,091 | 3/4 | 48,862 | 3/4 | 33,644 | 3/4 | 18,411 | 3/4 | 3,239  | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 6   | 79,007 | 6   | 63,773 | 6   | 48,545 | 6   | 33,327 | 6   | 18,094 | 6   | 2,948  | 6   |        | 6   |        | 6   |        | 6   |        |
| 1/4 | 78,690 | 1/4 | 63,456 | 1/4 | 48,228 | 1/4 | 33,009 | 1/4 | 17,776 | 1/4 | 2,657  | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 78,372 | 1/2 | 63,139 | 1/2 | 47,912 | 1/2 | 32,692 | 1/2 | 17,459 | 1/2 | 2,419  | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 78,055 | 3/4 | 62,821 | 3/4 | 47,595 | 3/4 | 32,375 | 3/4 | 17,141 | 3/4 | 2,181  | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 7   | 77,738 | 7   | 62,504 | 7   | 47,278 | 7   | 32,057 | 7   | 16,824 | 7   | 1,943  | 7   |        | 7   |        | 7   |        | 7   |        |
| 1/4 | 77,420 | 1/4 | 62,186 | 1/4 | 46,961 | 1/4 | 31,740 | 1/4 | 16,507 | 1/4 | 1,705  | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 77,103 | 1/2 | 61,869 | 1/2 | 46,644 | 1/2 | 31,423 | 1/2 | 16,189 | 1/2 | 1,520  | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 76,785 | 3/4 | 61,552 | 3/4 | 46,327 | 3/4 | 31,105 | 3/4 | 15,872 | 3/4 | 1,335  | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 8   | 76,468 | 8   | 61,234 | 8   | 46,010 | 8   | 30,788 | 8   | 15,555 | 8   | 1,150  | 8   |        | 8   |        | 8   |        | 8   |        |
| 1/4 | 76,151 | 1/4 | 60,917 | 1/4 | 45,694 | 1/4 | 30,470 | 1/4 | 15,237 | 1/4 | 965    | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 75,833 | 1/2 | 60,600 | 1/2 | 45,377 | 1/2 | 30,153 | 1/2 | 14,920 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 75,516 | 3/4 | 60,282 | 3/4 | 45,060 | 3/4 | 29,836 | 3/4 | 14,603 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 9   | 75,199 | 9   | 59,965 | 9   | 44,743 | 9   | 29,518 | 9   | 14,285 | 9   |        | 9   |        | 9   |        | 9   |        | 9   |        |
| 1/4 | 74,881 | 1/4 | 59,647 | 1/4 | 44,426 | 1/4 | 29,201 | 1/4 | 13,968 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 74,564 | 1/2 | 59,330 | 1/2 | 44,109 | 1/2 | 28,884 | 1/2 | 13,651 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 74,246 | 3/4 | 59,013 | 3/4 | 43,792 | 3/4 | 28,566 | 3/4 | 13,333 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 10  | 73,929 | 10  | 58,695 | 10  | 43,476 | 10  | 28,249 | 10  | 13,016 | 10  |        | 10  |        | 10  |        | 10  |        | 10  |        |
| 1/4 | 73,612 | 1/4 | 58,378 | 1/4 | 43,159 | 1/4 | 27,932 | 1/4 | 12,698 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 73,294 | 1/2 | 58,061 | 1/2 | 42,842 | 1/2 | 27,614 | 1/2 | 12,381 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 72,977 | 3/4 | 57,743 | 3/4 | 42,525 | 3/4 | 27,297 | 3/4 | 12,064 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 11  | 72,660 | 11  | 57,426 | 11  | 42,208 | 11  | 26,980 | 11  | 11,746 | 11  |        | 11  |        | 11  |        | 11  |        | 11  |        |
| 1/4 | 72,342 | 1/4 | 57,109 | 1/4 | 41,891 | 1/4 | 26,662 | 1/4 | 11,429 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 72,025 | 1/2 | 56,791 | 1/2 | 41,574 | 1/2 | 26,345 | 1/2 | 11,112 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 71,708 | 3/4 | 56,474 | 3/4 | 41,258 | 3/4 | 26,027 | 3/4 | 10,794 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/25/2013 CL  
CALCULATED: 06/25/2013 CL  
PRINTED: 06/26/2013 SW

CANCELS AND SUPERCEDES  
ALL PRIOR TO 06/2013

PRECISION MEASUREMENT  
& ANALYSIS, INC.  
P.O. Box 2092  
Pearland, Texas 77588  
<http://www.pmacorp.net>



# BARGE "CBC 385"

## 1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-08 1/2"

| IN  | 0 FT. | IN  | 1 FT. | IN  | 2 FT.   | IN  | 3 FT.   | IN  | 4 FT.   | IN  | 5 FT.   | IN  | 6 FT.   | IN  | 7 FT.   | IN  | 8 FT.   | IN  | 9 FT.   |
|-----|-------|-----|-------|-----|---------|-----|---------|-----|---------|-----|---------|-----|---------|-----|---------|-----|---------|-----|---------|
| 0   |       | 0   |       | 0   | 208,658 | 0   | 193,467 | 0   | 178,239 | 0   | 163,011 | 0   | 147,783 | 0   | 132,555 | 0   | 117,326 | 0   | 102,095 |
| 1/4 |       | 1/4 |       | 1/4 | 208,342 | 1/4 | 193,150 | 1/4 | 177,922 | 1/4 | 162,694 | 1/4 | 147,465 | 1/4 | 132,237 | 1/4 | 117,009 | 1/4 | 101,778 |
| 1/2 |       | 1/2 |       | 1/2 | 222,136 | 1/2 | 208,026 | 1/2 | 192,833 | 1/2 | 177,604 | 1/2 | 162,376 | 1/2 | 147,148 | 1/2 | 131,920 | 1/2 | 116,692 |
| 3/4 |       | 3/4 |       | 3/4 | 221,954 | 3/4 | 207,710 | 3/4 | 192,515 | 3/4 | 177,287 | 3/4 | 162,059 | 3/4 | 146,831 | 3/4 | 131,603 | 3/4 | 116,375 |
| 1   |       | 1   |       | 1   | 221,772 | 1   | 207,394 | 1   | 192,198 | 1   | 176,970 | 1   | 161,742 | 1   | 146,514 | 1   | 131,286 | 1   | 116,057 |
| 1/4 |       | 1/4 |       | 1/4 | 221,590 | 1/4 | 207,078 | 1/4 | 191,881 | 1/4 | 176,653 | 1/4 | 161,425 | 1/4 | 146,196 | 1/4 | 130,968 | 1/4 | 115,740 |
| 1/2 |       | 1/2 |       | 1/2 | 221,408 | 1/2 | 206,762 | 1/2 | 191,564 | 1/2 | 176,335 | 1/2 | 161,107 | 1/2 | 145,879 | 1/2 | 130,651 | 1/2 | 115,423 |
| 3/4 |       | 3/4 |       | 3/4 | 221,174 | 3/4 | 206,446 | 3/4 | 191,246 | 3/4 | 176,018 | 3/4 | 160,790 | 3/4 | 145,562 | 3/4 | 130,334 | 3/4 | 115,106 |
| 2   |       | 2   |       | 2   | 220,940 | 2   | 206,130 | 2   | 190,929 | 2   | 175,701 | 2   | 160,473 | 2   | 145,245 | 2   | 130,017 | 2   | 114,788 |
| 1/4 |       | 1/4 |       | 1/4 | 220,707 | 1/4 | 205,814 | 1/4 | 190,612 | 1/4 | 175,384 | 1/4 | 160,156 | 1/4 | 144,927 | 1/4 | 129,699 | 1/4 | 114,471 |
| 1/2 |       | 1/2 |       | 1/2 | 220,473 | 1/2 | 205,498 | 1/2 | 190,295 | 1/2 | 175,066 | 1/2 | 159,838 | 1/2 | 144,610 | 1/2 | 129,382 | 1/2 | 114,154 |
| 3/4 |       | 3/4 |       | 3/4 | 220,186 | 3/4 | 205,182 | 3/4 | 189,977 | 3/4 | 174,749 | 3/4 | 159,521 | 3/4 | 144,293 | 3/4 | 129,065 | 3/4 | 113,837 |
| 3   |       | 3   |       | 3   | 219,900 | 3   | 204,866 | 3   | 189,660 | 3   | 174,432 | 3   | 159,204 | 3   | 143,976 | 3   | 128,748 | 3   | 113,519 |
| 1/4 |       | 1/4 |       | 1/4 | 219,613 | 1/4 | 204,550 | 1/4 | 189,343 | 1/4 | 174,115 | 1/4 | 158,887 | 1/4 | 143,658 | 1/4 | 128,430 | 1/4 | 113,202 |
| 1/2 |       | 1/2 |       | 1/2 | 219,326 | 1/2 | 204,234 | 1/2 | 189,026 | 1/2 | 173,797 | 1/2 | 158,569 | 1/2 | 143,341 | 1/2 | 128,113 | 1/2 | 112,885 |
| 3/4 |       | 3/4 |       | 3/4 | 219,015 | 3/4 | 203,918 | 3/4 | 188,708 | 3/4 | 173,480 | 3/4 | 158,252 | 3/4 | 143,024 | 3/4 | 127,796 | 3/4 | 112,568 |
| 4   |       | 4   |       | 4   | 218,703 | 4   | 203,602 | 4   | 188,391 | 4   | 173,163 | 4   | 157,935 | 4   | 142,707 | 4   | 127,478 | 4   | 112,250 |
| 1/4 |       | 1/4 |       | 1/4 | 218,392 | 1/4 | 203,286 | 1/4 | 188,074 | 1/4 | 172,846 | 1/4 | 157,618 | 1/4 | 142,389 | 1/4 | 127,161 | 1/4 | 111,933 |
| 1/2 |       | 1/2 |       | 1/2 | 218,080 | 1/2 | 202,970 | 1/2 | 187,757 | 1/2 | 172,528 | 1/2 | 157,300 | 1/2 | 142,072 | 1/2 | 126,844 | 1/2 | 111,616 |
| 3/4 |       | 3/4 |       | 3/4 | 217,767 | 3/4 | 202,654 | 3/4 | 187,439 | 3/4 | 172,211 | 3/4 | 156,983 | 3/4 | 141,755 | 3/4 | 126,527 | 3/4 | 111,299 |
| 5   |       | 5   |       | 5   | 217,455 | 5   | 202,338 | 5   | 187,122 | 5   | 171,894 | 5   | 156,666 | 5   | 141,438 | 5   | 126,209 | 5   | 110,981 |
| 1/4 |       | 1/4 |       | 1/4 | 217,142 | 1/4 | 202,022 | 1/4 | 186,805 | 1/4 | 171,577 | 1/4 | 156,349 | 1/4 | 141,120 | 1/4 | 125,892 | 1/4 | 110,664 |
| 1/2 |       | 1/2 |       | 1/2 | 216,829 | 1/2 | 201,706 | 1/2 | 186,488 | 1/2 | 171,259 | 1/2 | 156,031 | 1/2 | 140,803 | 1/2 | 125,575 | 1/2 | 110,347 |
| 3/4 |       | 3/4 |       | 3/4 | 216,516 | 3/4 | 201,390 | 3/4 | 186,170 | 3/4 | 170,942 | 3/4 | 155,714 | 3/4 | 140,486 | 3/4 | 125,258 | 3/4 | 110,029 |
| 6   |       | 6   |       | 6   | 216,203 | 6   | 201,074 | 6   | 185,853 | 6   | 170,625 | 6   | 155,397 | 6   | 140,169 | 6   | 124,940 | 6   | 109,712 |
| 1/4 |       | 1/4 |       | 1/4 | 215,890 | 1/4 | 200,758 | 1/4 | 185,536 | 1/4 | 170,308 | 1/4 | 155,079 | 1/4 | 139,851 | 1/4 | 124,623 | 1/4 | 109,395 |
| 1/2 |       | 1/2 |       | 1/2 | 215,577 | 1/2 | 200,442 | 1/2 | 185,219 | 1/2 | 169,990 | 1/2 | 154,762 | 1/2 | 139,534 | 1/2 | 124,306 | 1/2 | 109,077 |
| 3/4 |       | 3/4 |       | 3/4 | 215,264 | 3/4 | 200,126 | 3/4 | 184,901 | 3/4 | 169,673 | 3/4 | 154,445 | 3/4 | 139,217 | 3/4 | 123,989 | 3/4 | 108,760 |
| 7   |       | 7   |       | 7   | 214,951 | 7   | 199,810 | 7   | 184,584 | 7   | 169,356 | 7   | 154,128 | 7   | 138,900 | 7   | 123,671 | 7   | 108,443 |
| 1/4 |       | 1/4 |       | 1/4 | 214,638 | 1/4 | 199,494 | 1/4 | 184,267 | 1/4 | 169,039 | 1/4 | 153,810 | 1/4 | 138,582 | 1/4 | 123,354 | 1/4 | 108,125 |
| 1/2 |       | 1/2 |       | 1/2 | 214,325 | 1/2 | 199,178 | 1/2 | 183,949 | 1/2 | 168,721 | 1/2 | 153,493 | 1/2 | 138,265 | 1/2 | 123,037 | 1/2 | 107,808 |
| 3/4 |       | 3/4 |       | 3/4 | 214,011 | 3/4 | 198,860 | 3/4 | 183,632 | 3/4 | 168,404 | 3/4 | 153,176 | 3/4 | 137,948 | 3/4 | 122,720 | 3/4 | 107,491 |
| 8   |       | 8   |       | 8   | 213,698 | 8   | 198,543 | 8   | 183,315 | 8   | 168,087 | 8   | 152,859 | 8   | 137,631 | 8   | 122,402 | 8   | 107,173 |
| 1/4 |       | 1/4 |       | 1/4 | 213,385 | 1/4 | 198,226 | 1/4 | 182,998 | 1/4 | 167,770 | 1/4 | 152,541 | 1/4 | 137,313 | 1/4 | 122,085 | 1/4 | 106,856 |
| 1/2 |       | 1/2 |       | 1/2 | 213,072 | 1/2 | 197,909 | 1/2 | 182,680 | 1/2 | 167,452 | 1/2 | 152,224 | 1/2 | 136,996 | 1/2 | 121,768 | 1/2 | 106,538 |
| 3/4 |       | 3/4 |       | 3/4 | 212,759 | 3/4 | 197,591 | 3/4 | 182,363 | 3/4 | 167,135 | 3/4 | 151,907 | 3/4 | 136,679 | 3/4 | 121,451 | 3/4 | 106,221 |
| 9   |       | 9   |       | 9   | 212,446 | 9   | 197,274 | 9   | 182,046 | 9   | 166,818 | 9   | 151,590 | 9   | 136,362 | 9   | 121,133 | 9   | 105,904 |
| 1/4 |       | 1/4 |       | 1/4 | 212,133 | 1/4 | 196,957 | 1/4 | 181,729 | 1/4 | 166,501 | 1/4 | 151,272 | 1/4 | 136,044 | 1/4 | 120,816 | 1/4 | 105,586 |
| 1/2 |       | 1/2 |       | 1/2 | 211,820 | 1/2 | 196,640 | 1/2 | 181,411 | 1/2 | 166,183 | 1/2 | 150,955 | 1/2 | 135,727 | 1/2 | 120,499 | 1/2 | 105,269 |
| 3/4 |       | 3/4 |       | 3/4 | 211,503 | 3/4 | 196,322 | 3/4 | 181,094 | 3/4 | 165,866 | 3/4 | 150,638 | 3/4 | 135,410 | 3/4 | 120,182 | 3/4 | 104,952 |
| 10  |       | 10  |       | 10  | 211,187 | 10  | 196,005 | 10  | 180,777 | 10  | 165,549 | 10  | 150,321 | 10  | 135,093 | 10  | 119,864 | 10  | 104,634 |
| 1/4 |       | 1/4 |       | 1/4 | 210,871 | 1/4 | 195,688 | 1/4 | 180,460 | 1/4 | 165,232 | 1/4 | 150,003 | 1/4 | 134,775 | 1/4 | 119,547 | 1/4 | 104,317 |
| 1/2 |       | 1/2 |       | 1/2 | 210,555 | 1/2 | 195,371 | 1/2 | 180,142 | 1/2 | 164,914 | 1/2 | 149,686 | 1/2 | 134,458 | 1/2 | 119,230 | 1/2 | 103,999 |
| 3/4 |       | 3/4 |       | 3/4 | 210,239 | 3/4 | 195,053 | 3/4 | 179,825 | 3/4 | 164,597 | 3/4 | 149,369 | 3/4 | 134,141 | 3/4 | 118,913 | 3/4 | 103,682 |
| 11  |       | 11  |       | 11  | 209,923 | 11  | 194,736 | 11  | 179,508 | 11  | 164,280 | 11  | 149,052 | 11  | 133,824 | 11  | 118,595 | 11  | 103,365 |
| 1/4 |       | 1/4 |       | 1/4 | 209,607 | 1/4 | 194,419 | 1/4 | 179,191 | 1/4 | 163,963 | 1/4 | 148,734 | 1/4 | 133,506 | 1/4 | 118,278 | 1/4 | 103,047 |
| 1/2 |       | 1/2 |       | 1/2 | 209,291 | 1/2 | 194,102 | 1/2 | 178,873 | 1/2 | 163,645 | 1/2 | 148,417 | 1/2 | 133,189 | 1/2 | 117,961 | 1/2 | 102,730 |
| 3/4 |       | 3/4 |       | 3/4 | 208,975 | 3/4 | 193,784 | 3/4 | 178,556 | 3/4 | 163,328 | 3/4 | 148,100 | 3/4 | 132,872 | 3/4 | 117,644 | 3/4 | 102,413 |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP LIP OF 2" "HERMETIC" VALVE

GAUGE POINT: (HERMETIC) LOCATED 10'-09" OFF CENTERLINE AND 42'-03" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



# BARGE "CBC 385"

1 STBD  
ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-08 1/2"

| IN  | 10 FT. | IN  | 11 FT. | IN  | 12 FT. | IN  | 13 FT. | IN  | 14 FT. | IN  | 15 FT. | IN  | 16 FT. | IN  | 17 FT. | IN  | 18 FT. | IN  | 19 FT. |
|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|
| 0   | 86,861 | 0   | 71,628 | 0   | 56,394 | 0   | 41,241 | 0   | 26,027 | 0   | 10,794 | 0   |        | 0   |        | 0   |        | 0   |        |
| 1/4 | 86,544 | 1/4 | 71,310 | 1/4 | 56,077 | 1/4 | 40,926 | 1/4 | 25,710 | 1/4 | 10,477 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 86,227 | 1/2 | 70,993 | 1/2 | 55,759 | 1/2 | 40,611 | 1/2 | 25,393 | 1/2 | 10,160 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 85,909 | 3/4 | 70,676 | 3/4 | 55,442 | 3/4 | 40,295 | 3/4 | 25,075 | 3/4 | 9,842  | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 1   | 85,592 | 1   | 70,358 | 1   | 55,125 | 1   | 39,980 | 1   | 24,758 | 1   | 9,525  | 1   |        | 1   |        | 1   |        | 1   |        |
| 1/4 | 85,275 | 1/4 | 70,041 | 1/4 | 54,807 | 1/4 | 39,665 | 1/4 | 24,441 | 1/4 | 9,208  | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 84,957 | 1/2 | 69,724 | 1/2 | 54,490 | 1/2 | 39,350 | 1/2 | 24,123 | 1/2 | 8,890  | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 84,640 | 3/4 | 69,406 | 3/4 | 54,172 | 3/4 | 39,034 | 3/4 | 23,806 | 3/4 | 8,573  | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 2   | 84,323 | 2   | 69,089 | 2   | 53,855 | 2   | 38,718 | 2   | 23,489 | 2   | 8,255  | 2   |        | 2   |        | 2   |        | 2   |        |
| 1/4 | 84,005 | 1/4 | 68,771 | 1/4 | 53,538 | 1/4 | 38,403 | 1/4 | 23,171 | 1/4 | 7,938  | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 83,688 | 1/2 | 68,454 | 1/2 | 53,220 | 1/2 | 38,087 | 1/2 | 22,854 | 1/2 | 7,621  | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 83,370 | 3/4 | 68,137 | 3/4 | 52,905 | 3/4 | 37,770 | 3/4 | 22,537 | 3/4 | 7,303  | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 3   | 83,053 | 3   | 67,819 | 3   | 52,589 | 3   | 37,452 | 3   | 22,219 | 3   | 6,986  | 3   |        | 3   |        | 3   |        | 3   |        |
| 1/4 | 82,736 | 1/4 | 67,502 | 1/4 | 52,273 | 1/4 | 37,135 | 1/4 | 21,902 | 1/4 | 6,669  | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 82,418 | 1/2 | 67,185 | 1/2 | 51,957 | 1/2 | 36,818 | 1/2 | 21,584 | 1/2 | 6,352  | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 82,101 | 3/4 | 66,867 | 3/4 | 51,642 | 3/4 | 36,500 | 3/4 | 21,267 | 3/4 | 6,035  | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 4   | 81,784 | 4   | 66,550 | 4   | 51,327 | 4   | 36,183 | 4   | 20,950 | 4   | 5,718  | 4   |        | 4   |        | 4   |        | 4   |        |
| 1/4 | 81,466 | 1/4 | 66,232 | 1/4 | 51,012 | 1/4 | 35,866 | 1/4 | 20,632 | 1/4 | 5,401  | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 81,149 | 1/2 | 65,915 | 1/2 | 50,697 | 1/2 | 35,548 | 1/2 | 20,315 | 1/2 | 5,084  | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 80,831 | 3/4 | 65,598 | 3/4 | 50,382 | 3/4 | 35,231 | 3/4 | 19,998 | 3/4 | 4,768  | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 5   | 80,514 | 5   | 65,280 | 5   | 50,066 | 5   | 34,913 | 5   | 19,680 | 5   | 4,452  | 5   |        | 5   |        | 5   |        | 5   |        |
| 1/4 | 80,197 | 1/4 | 64,963 | 1/4 | 49,751 | 1/4 | 34,596 | 1/4 | 19,363 | 1/4 | 4,136  | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 79,879 | 1/2 | 64,646 | 1/2 | 49,436 | 1/2 | 34,279 | 1/2 | 19,046 | 1/2 | 3,820  | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 79,562 | 3/4 | 64,328 | 3/4 | 49,121 | 3/4 | 33,961 | 3/4 | 18,728 | 3/4 | 3,530  | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 6   | 79,245 | 6   | 64,011 | 6   | 48,806 | 6   | 33,644 | 6   | 18,411 | 6   | 3,239  | 6   |        | 6   |        | 6   |        | 6   |        |
| 1/4 | 78,927 | 1/4 | 63,694 | 1/4 | 48,490 | 1/4 | 33,327 | 1/4 | 18,094 | 1/4 | 2,948  | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 78,610 | 1/2 | 63,376 | 1/2 | 48,175 | 1/2 | 33,009 | 1/2 | 17,776 | 1/2 | 2,657  | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 78,293 | 3/4 | 63,059 | 3/4 | 47,860 | 3/4 | 32,692 | 3/4 | 17,459 | 3/4 | 2,419  | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 7   | 77,975 | 7   | 62,741 | 7   | 47,545 | 7   | 32,375 | 7   | 17,141 | 7   | 2,181  | 7   |        | 7   |        | 7   |        | 7   |        |
| 1/4 | 77,658 | 1/4 | 62,424 | 1/4 | 47,230 | 1/4 | 32,057 | 1/4 | 16,824 | 1/4 | 1,943  | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 77,340 | 1/2 | 62,107 | 1/2 | 46,914 | 1/2 | 31,740 | 1/2 | 16,507 | 1/2 | 1,705  | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 77,023 | 3/4 | 61,789 | 3/4 | 46,599 | 3/4 | 31,423 | 3/4 | 16,189 | 3/4 | 1,520  | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 8   | 76,706 | 8   | 61,472 | 8   | 46,284 | 8   | 31,105 | 8   | 15,872 | 8   | 1,335  | 8   |        | 8   |        | 8   |        | 8   |        |
| 1/4 | 76,388 | 1/4 | 61,155 | 1/4 | 45,969 | 1/4 | 30,788 | 1/4 | 15,555 | 1/4 | 1,150  | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 76,071 | 1/2 | 60,837 | 1/2 | 45,654 | 1/2 | 30,470 | 1/2 | 15,237 | 1/2 | 965    | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 75,754 | 3/4 | 60,520 | 3/4 | 45,338 | 3/4 | 30,153 | 3/4 | 14,920 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 9   | 75,436 | 9   | 60,202 | 9   | 45,023 | 9   | 29,836 | 9   | 14,603 | 9   |        | 9   |        | 9   |        | 9   |        | 9   |        |
| 1/4 | 75,119 | 1/4 | 59,885 | 1/4 | 44,708 | 1/4 | 29,518 | 1/4 | 14,285 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 74,801 | 1/2 | 59,568 | 1/2 | 44,393 | 1/2 | 29,201 | 1/2 | 13,968 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 74,484 | 3/4 | 59,250 | 3/4 | 44,078 | 3/4 | 28,884 | 3/4 | 13,651 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 10  | 74,167 | 10  | 58,933 | 10  | 43,762 | 10  | 28,566 | 10  | 13,333 | 10  |        | 10  |        | 10  |        | 10  |        | 10  |        |
| 1/4 | 73,849 | 1/4 | 58,616 | 1/4 | 43,447 | 1/4 | 28,249 | 1/4 | 13,016 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 73,532 | 1/2 | 58,298 | 1/2 | 43,132 | 1/2 | 27,932 | 1/2 | 12,698 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 73,215 | 3/4 | 57,981 | 3/4 | 42,817 | 3/4 | 27,614 | 3/4 | 12,381 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 11  | 72,897 | 11  | 57,663 | 11  | 42,502 | 11  | 27,297 | 11  | 12,064 | 11  |        | 11  |        | 11  |        | 11  |        | 11  |        |
| 1/4 | 72,580 | 1/4 | 57,346 | 1/4 | 42,187 | 1/4 | 26,980 | 1/4 | 11,746 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 72,262 | 1/2 | 57,029 | 1/2 | 41,871 | 1/2 | 26,662 | 1/2 | 11,429 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 71,945 | 3/4 | 56,711 | 3/4 | 41,556 | 3/4 | 26,345 | 3/4 | 11,112 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/25/2013 CL  
CALCULATED: 06/25/2013 CL  
PRINTED: 06/26/2013 SW

CANCELS AND SUPERCEDES  
ALL PRIOR TO 06/2013

PRECISION MEASUREMENT  
& ANALYSIS, INC.  
P.O. Box 2092  
Pearland, Texas 77588  
<http://www.pmacorp.net>



# BARGE "CBC 385"

## 2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-08"

| IN  | 0 FT. | IN  | 1 FT.   | IN  | 2 FT.   | IN  | 3 FT.   | IN  | 4 FT.   | IN  | 5 FT.   | IN  | 6 FT.   | IN  | 7 FT.   | IN  | 8 FT.   | IN  | 9 FT.   |
|-----|-------|-----|---------|-----|---------|-----|---------|-----|---------|-----|---------|-----|---------|-----|---------|-----|---------|-----|---------|
| 0   |       | 0   | 221,466 | 0   | 207,404 | 0   | 192,262 | 0   | 177,085 | 0   | 161,908 | 0   | 146,731 | 0   | 131,555 | 0   | 116,378 | 0   | 101,198 |
| 1/4 |       | 1/4 | 221,285 | 1/4 | 207,089 | 1/4 | 191,946 | 1/4 | 176,769 | 1/4 | 161,592 | 1/4 | 146,415 | 1/4 | 131,238 | 1/4 | 116,062 | 1/4 | 100,881 |
| 1/2 |       | 1/2 | 221,103 | 1/2 | 206,774 | 1/2 | 191,629 | 1/2 | 176,453 | 1/2 | 161,276 | 1/2 | 146,099 | 1/2 | 130,922 | 1/2 | 115,745 | 1/2 | 100,565 |
| 3/4 |       | 3/4 | 220,922 | 3/4 | 206,459 | 3/4 | 191,313 | 3/4 | 176,136 | 3/4 | 160,960 | 3/4 | 145,783 | 3/4 | 130,606 | 3/4 | 115,429 | 3/4 | 100,249 |
| 1   |       | 1   | 220,740 | 1   | 206,144 | 1   | 190,997 | 1   | 175,820 | 1   | 160,643 | 1   | 145,467 | 1   | 130,290 | 1   | 115,113 | 1   | 99,932  |
| 1/4 |       | 1/4 | 220,507 | 1/4 | 205,829 | 1/4 | 190,681 | 1/4 | 175,504 | 1/4 | 160,327 | 1/4 | 145,150 | 1/4 | 129,974 | 1/4 | 114,797 | 1/4 | 99,616  |
| 1/2 |       | 1/2 | 220,274 | 1/2 | 205,515 | 1/2 | 190,365 | 1/2 | 175,188 | 1/2 | 160,011 | 1/2 | 144,834 | 1/2 | 129,657 | 1/2 | 114,481 | 1/2 | 99,300  |
| 3/4 |       | 3/4 | 220,041 | 3/4 | 205,200 | 3/4 | 190,048 | 3/4 | 174,872 | 3/4 | 159,695 | 3/4 | 144,518 | 3/4 | 129,341 | 3/4 | 114,164 | 3/4 | 98,984  |
| 2   |       | 2   | 219,808 | 2   | 204,885 | 2   | 189,732 | 2   | 174,555 | 2   | 159,379 | 2   | 144,202 | 2   | 129,025 | 2   | 113,848 | 2   | 98,667  |
| 1/4 |       | 1/4 | 219,523 | 1/4 | 204,570 | 1/4 | 189,416 | 1/4 | 174,239 | 1/4 | 159,062 | 1/4 | 143,886 | 1/4 | 128,709 | 1/4 | 113,532 | 1/4 | 98,351  |
| 1/2 |       | 1/2 | 219,237 | 1/2 | 204,255 | 1/2 | 189,100 | 1/2 | 173,923 | 1/2 | 158,746 | 1/2 | 143,569 | 1/2 | 128,393 | 1/2 | 113,216 | 1/2 | 98,035  |
| 3/4 |       | 3/4 | 218,952 | 3/4 | 203,940 | 3/4 | 188,784 | 3/4 | 173,607 | 3/4 | 158,430 | 3/4 | 143,253 | 3/4 | 128,077 | 3/4 | 112,900 | 3/4 | 97,718  |
| 3   |       | 3   | 218,666 | 3   | 203,625 | 3   | 188,468 | 3   | 173,291 | 3   | 158,114 | 3   | 142,937 | 3   | 127,760 | 3   | 112,584 | 3   | 97,402  |
| 1/4 |       | 1/4 | 218,355 | 1/4 | 203,310 | 1/4 | 188,151 | 1/4 | 172,975 | 1/4 | 157,798 | 1/4 | 142,621 | 1/4 | 127,444 | 1/4 | 112,267 | 1/4 | 97,086  |
| 1/2 |       | 1/2 | 218,045 | 1/2 | 202,995 | 1/2 | 187,835 | 1/2 | 172,658 | 1/2 | 157,482 | 1/2 | 142,305 | 1/2 | 127,128 | 1/2 | 111,951 | 1/2 | 96,769  |
| 3/4 |       | 3/4 | 217,734 | 3/4 | 202,680 | 3/4 | 187,519 | 3/4 | 172,342 | 3/4 | 157,165 | 3/4 | 141,989 | 3/4 | 126,812 | 3/4 | 111,635 | 3/4 | 96,453  |
| 4   |       | 4   | 217,424 | 4   | 202,365 | 4   | 187,203 | 4   | 172,026 | 4   | 156,849 | 4   | 141,672 | 4   | 126,496 | 4   | 111,319 | 4   | 96,137  |
| 1/4 |       | 1/4 | 217,112 | 1/4 | 202,050 | 1/4 | 186,887 | 1/4 | 171,710 | 1/4 | 156,533 | 1/4 | 141,356 | 1/4 | 126,179 | 1/4 | 111,003 | 1/4 | 95,821  |
| 1/2 |       | 1/2 | 216,801 | 1/2 | 201,735 | 1/2 | 186,570 | 1/2 | 171,394 | 1/2 | 156,217 | 1/2 | 141,040 | 1/2 | 125,863 | 1/2 | 110,686 | 1/2 | 95,504  |
| 3/4 |       | 3/4 | 216,489 | 3/4 | 201,420 | 3/4 | 186,254 | 3/4 | 171,077 | 3/4 | 155,901 | 3/4 | 140,724 | 3/4 | 125,547 | 3/4 | 110,370 | 3/4 | 95,188  |
| 5   |       | 5   | 216,177 | 5   | 201,105 | 5   | 185,938 | 5   | 170,761 | 5   | 155,584 | 5   | 140,408 | 5   | 125,231 | 5   | 110,054 | 5   | 94,872  |
| 1/4 |       | 1/4 | 215,865 | 1/4 | 200,790 | 1/4 | 185,622 | 1/4 | 170,445 | 1/4 | 155,268 | 1/4 | 140,091 | 1/4 | 124,915 | 1/4 | 109,738 | 1/4 | 94,555  |
| 1/2 |       | 1/2 | 215,553 | 1/2 | 200,475 | 1/2 | 185,306 | 1/2 | 170,129 | 1/2 | 154,952 | 1/2 | 139,775 | 1/2 | 124,598 | 1/2 | 109,421 | 1/2 | 94,239  |
| 3/4 |       | 3/4 | 215,241 | 3/4 | 200,160 | 3/4 | 184,990 | 3/4 | 169,813 | 3/4 | 154,636 | 3/4 | 139,459 | 3/4 | 124,282 | 3/4 | 109,105 | 3/4 | 93,923  |
| 6   |       | 6   | 214,929 | 6   | 199,845 | 6   | 184,673 | 6   | 169,497 | 6   | 154,320 | 6   | 139,143 | 6   | 123,966 | 6   | 108,789 | 6   | 93,606  |
| 1/4 |       | 1/4 | 214,617 | 1/4 | 199,530 | 1/4 | 184,357 | 1/4 | 169,180 | 1/4 | 154,004 | 1/4 | 138,827 | 1/4 | 123,650 | 1/4 | 108,473 | 1/4 | 93,290  |
| 1/2 |       | 1/2 | 214,305 | 1/2 | 199,215 | 1/2 | 184,041 | 1/2 | 168,864 | 1/2 | 153,687 | 1/2 | 138,511 | 1/2 | 123,334 | 1/2 | 108,156 | 1/2 | 92,974  |
| 3/4 |       | 3/4 | 213,993 | 3/4 | 198,900 | 3/4 | 183,725 | 3/4 | 168,548 | 3/4 | 153,371 | 3/4 | 138,194 | 3/4 | 123,018 | 3/4 | 107,840 | 3/4 | 92,658  |
| 7   |       | 7   | 213,681 | 7   | 198,585 | 7   | 183,409 | 7   | 168,232 | 7   | 153,055 | 7   | 137,878 | 7   | 122,701 | 7   | 107,524 | 7   | 92,341  |
| 1/4 |       | 1/4 | 213,369 | 1/4 | 198,269 | 1/4 | 183,092 | 1/4 | 167,916 | 1/4 | 152,739 | 1/4 | 137,562 | 1/4 | 122,385 | 1/4 | 107,207 | 1/4 | 92,025  |
| 1/2 |       | 1/2 | 213,057 | 1/2 | 197,953 | 1/2 | 182,776 | 1/2 | 167,599 | 1/2 | 152,423 | 1/2 | 137,246 | 1/2 | 122,069 | 1/2 | 106,891 | 1/2 | 91,709  |
| 3/4 |       | 3/4 | 212,745 | 3/4 | 197,637 | 3/4 | 182,460 | 3/4 | 167,283 | 3/4 | 152,106 | 3/4 | 136,930 | 3/4 | 121,753 | 3/4 | 106,575 | 3/4 | 91,392  |
| 8   |       | 8   | 212,433 | 8   | 197,321 | 8   | 182,144 | 8   | 166,967 | 8   | 151,790 | 8   | 136,613 | 8   | 121,437 | 8   | 106,258 | 8   | 91,076  |
| 1/4 |       | 1/4 | 212,121 | 1/4 | 197,004 | 1/4 | 181,828 | 1/4 | 166,651 | 1/4 | 151,474 | 1/4 | 136,297 | 1/4 | 121,120 | 1/4 | 105,942 | 1/4 | 90,760  |
| 1/2 |       | 1/2 | 211,809 | 1/2 | 196,688 | 1/2 | 181,511 | 1/2 | 166,335 | 1/2 | 151,158 | 1/2 | 135,981 | 1/2 | 120,804 | 1/2 | 105,626 | 1/2 | 90,443  |
| 3/4 |       | 3/4 | 211,497 | 3/4 | 196,372 | 3/4 | 181,195 | 3/4 | 166,019 | 3/4 | 150,842 | 3/4 | 135,665 | 3/4 | 120,488 | 3/4 | 105,310 | 3/4 | 90,127  |
| 9   |       | 9   | 211,185 | 9   | 196,056 | 9   | 180,879 | 9   | 165,702 | 9   | 150,526 | 9   | 135,349 | 9   | 120,172 | 9   | 104,993 | 9   | 89,811  |
| 1/4 |       | 1/4 | 210,870 | 1/4 | 195,740 | 1/4 | 180,563 | 1/4 | 165,386 | 1/4 | 150,209 | 1/4 | 135,033 | 1/4 | 119,856 | 1/4 | 104,677 | 1/4 | 89,495  |
| 1/2 |       | 1/2 | 210,555 | 1/2 | 195,424 | 1/2 | 180,247 | 1/2 | 165,070 | 1/2 | 149,893 | 1/2 | 134,716 | 1/2 | 119,540 | 1/2 | 104,361 | 1/2 | 89,178  |
| 3/4 |       | 3/4 | 210,239 | 3/4 | 195,107 | 3/4 | 179,931 | 3/4 | 164,754 | 3/4 | 149,577 | 3/4 | 134,400 | 3/4 | 119,223 | 3/4 | 104,044 | 3/4 | 88,862  |
| 10  |       | 10  | 209,924 | 10  | 194,791 | 10  | 179,614 | 10  | 164,438 | 10  | 149,261 | 10  | 134,084 | 10  | 118,907 | 10  | 103,728 | 10  | 88,546  |
| 1/4 |       | 1/4 | 209,609 | 1/4 | 194,475 | 1/4 | 179,298 | 1/4 | 164,121 | 1/4 | 148,945 | 1/4 | 133,768 | 1/4 | 118,591 | 1/4 | 103,412 | 1/4 | 88,229  |
| 1/2 |       | 1/2 | 209,294 | 1/2 | 194,159 | 1/2 | 178,982 | 1/2 | 163,805 | 1/2 | 148,628 | 1/2 | 133,452 | 1/2 | 118,275 | 1/2 | 103,095 | 1/2 | 87,913  |
| 3/4 |       | 3/4 | 208,979 | 3/4 | 193,843 | 3/4 | 178,666 | 3/4 | 163,489 | 3/4 | 148,312 | 3/4 | 133,135 | 3/4 | 117,959 | 3/4 | 102,779 | 3/4 | 87,597  |
| 11  |       | 11  | 208,664 | 11  | 193,526 | 11  | 178,350 | 11  | 163,173 | 11  | 147,996 | 11  | 132,819 | 11  | 117,642 | 11  | 102,463 | 11  | 87,280  |
| 1/4 |       | 1/4 | 208,349 | 1/4 | 193,210 | 1/4 | 178,033 | 1/4 | 162,857 | 1/4 | 147,680 | 1/4 | 132,503 | 1/4 | 117,326 | 1/4 | 102,147 | 1/4 | 86,964  |
| 1/2 |       | 1/2 | 208,034 | 1/2 | 192,894 | 1/2 | 177,717 | 1/2 | 162,540 | 1/2 | 147,364 | 1/2 | 132,187 | 1/2 | 117,010 | 1/2 | 101,830 | 1/2 | 86,648  |
| 3/4 |       | 3/4 | 207,719 | 3/4 | 192,578 | 3/4 | 177,401 | 3/4 | 162,224 | 3/4 | 147,048 | 3/4 | 131,871 | 3/4 | 116,694 | 3/4 | 101,514 | 3/4 | 86,332  |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP LIP OF 2" "HERMETIC" VALVE

GAUGE POINT: (HERMETIC) LOCATED 10'-09" OFF CENTERLINE AND 42'-03" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



# BARGE "CBC 385"

## 2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-08"

| IN  | 10 FT. | IN  | 11 FT. | IN  | 12 FT. | IN  | 13 FT. | IN  | 14 FT. | IN  | 15 FT. | IN  | 16 FT. | IN  | 17 FT. | IN  | 18 FT. | IN  | 19 FT. |
|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|
| 0   | 86,015 | 0   | 70,833 | 0   | 55,650 | 0   | 40,487 | 0   | 25,307 | 0   | 10,125 | 0   |        | 0   |        | 0   |        | 0   |        |
| 1/4 | 85,699 | 1/4 | 70,517 | 1/4 | 55,334 | 1/4 | 40,171 | 1/4 | 24,991 | 1/4 | 9,809  | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 85,383 | 1/2 | 70,200 | 1/2 | 55,018 | 1/2 | 39,855 | 1/2 | 24,674 | 1/2 | 9,492  | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 85,066 | 3/4 | 69,884 | 3/4 | 54,702 | 3/4 | 39,539 | 3/4 | 24,358 | 3/4 | 9,176  | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 1   | 84,750 | 1   | 69,568 | 1   | 54,385 | 1   | 39,223 | 1   | 24,042 | 1   | 8,860  | 1   |        | 1   |        | 1   |        | 1   |        |
| 1/4 | 84,434 | 1/4 | 69,251 | 1/4 | 54,069 | 1/4 | 38,907 | 1/4 | 23,725 | 1/4 | 8,544  | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 84,117 | 1/2 | 68,935 | 1/2 | 53,753 | 1/2 | 38,591 | 1/2 | 23,409 | 1/2 | 8,227  | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 83,801 | 3/4 | 68,619 | 3/4 | 53,436 | 3/4 | 38,275 | 3/4 | 23,093 | 3/4 | 7,911  | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 2   | 83,485 | 2   | 68,302 | 2   | 53,120 | 2   | 37,958 | 2   | 22,777 | 2   | 7,595  | 2   |        | 2   |        | 2   |        | 2   |        |
| 1/4 | 83,169 | 1/4 | 67,986 | 1/4 | 52,804 | 1/4 | 37,642 | 1/4 | 22,460 | 1/4 | 7,279  | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 82,852 | 1/2 | 67,670 | 1/2 | 52,487 | 1/2 | 37,326 | 1/2 | 22,144 | 1/2 | 6,962  | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 82,536 | 3/4 | 67,354 | 3/4 | 52,171 | 3/4 | 37,009 | 3/4 | 21,828 | 3/4 | 6,646  | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 3   | 82,220 | 3   | 67,037 | 3   | 51,855 | 3   | 36,693 | 3   | 21,511 | 3   | 6,330  | 3   |        | 3   |        | 3   |        | 3   |        |
| 1/4 | 81,903 | 1/4 | 66,721 | 1/4 | 51,539 | 1/4 | 36,377 | 1/4 | 21,195 | 1/4 | 6,014  | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 81,587 | 1/2 | 66,405 | 1/2 | 51,223 | 1/2 | 36,061 | 1/2 | 20,879 | 1/2 | 5,698  | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 81,271 | 3/4 | 66,088 | 3/4 | 50,907 | 3/4 | 35,744 | 3/4 | 20,563 | 3/4 | 5,382  | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 4   | 80,954 | 4   | 65,772 | 4   | 50,592 | 4   | 35,428 | 4   | 20,246 | 4   | 5,066  | 4   |        | 4   |        | 4   |        | 4   |        |
| 1/4 | 80,638 | 1/4 | 65,456 | 1/4 | 50,276 | 1/4 | 35,112 | 1/4 | 19,930 | 1/4 | 4,752  | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 80,322 | 1/2 | 65,139 | 1/2 | 49,960 | 1/2 | 34,795 | 1/2 | 19,614 | 1/2 | 4,437  | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 80,006 | 3/4 | 64,823 | 3/4 | 49,644 | 3/4 | 34,479 | 3/4 | 19,297 | 3/4 | 4,122  | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 5   | 79,689 | 5   | 64,507 | 5   | 49,329 | 5   | 34,163 | 5   | 18,981 | 5   | 3,807  | 5   |        | 5   |        | 5   |        | 5   |        |
| 1/4 | 79,373 | 1/4 | 64,191 | 1/4 | 49,013 | 1/4 | 33,847 | 1/4 | 18,665 | 1/4 | 3,517  | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 79,057 | 1/2 | 63,874 | 1/2 | 48,697 | 1/2 | 33,530 | 1/2 | 18,349 | 1/2 | 3,228  | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 78,740 | 3/4 | 63,558 | 3/4 | 48,381 | 3/4 | 33,214 | 3/4 | 18,032 | 3/4 | 2,938  | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 6   | 78,424 | 6   | 63,242 | 6   | 48,065 | 6   | 32,898 | 6   | 17,716 | 6   | 2,648  | 6   |        | 6   |        | 6   |        | 6   |        |
| 1/4 | 78,108 | 1/4 | 62,925 | 1/4 | 47,750 | 1/4 | 32,581 | 1/4 | 17,400 | 1/4 | 2,411  | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 77,791 | 1/2 | 62,609 | 1/2 | 47,434 | 1/2 | 32,265 | 1/2 | 17,083 | 1/2 | 2,173  | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 77,475 | 3/4 | 62,293 | 3/4 | 47,118 | 3/4 | 31,949 | 3/4 | 16,767 | 3/4 | 1,936  | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 7   | 77,159 | 7   | 61,976 | 7   | 46,802 | 7   | 31,633 | 7   | 16,451 | 7   | 1,699  | 7   |        | 7   |        | 7   |        | 7   |        |
| 1/4 | 76,843 | 1/4 | 61,660 | 1/4 | 46,487 | 1/4 | 31,316 | 1/4 | 16,135 | 1/4 | 1,515  | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 76,526 | 1/2 | 61,344 | 1/2 | 46,171 | 1/2 | 31,000 | 1/2 | 15,818 | 1/2 | 1,330  | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 76,210 | 3/4 | 61,028 | 3/4 | 45,855 | 3/4 | 30,684 | 3/4 | 15,502 | 3/4 | 1,146  | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 8   | 75,894 | 8   | 60,711 | 8   | 45,539 | 8   | 30,367 | 8   | 15,186 | 8   | 961    | 8   |        | 8   |        | 8   |        | 8   |        |
| 1/4 | 75,577 | 1/4 | 60,395 | 1/4 | 45,223 | 1/4 | 30,051 | 1/4 | 14,869 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 75,261 | 1/2 | 60,079 | 1/2 | 44,908 | 1/2 | 29,735 | 1/2 | 14,553 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 74,945 | 3/4 | 59,762 | 3/4 | 44,592 | 3/4 | 29,419 | 3/4 | 14,237 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 9   | 74,628 | 9   | 59,446 | 9   | 44,276 | 9   | 29,102 | 9   | 13,920 | 9   |        | 9   |        | 9   |        | 9   |        | 9   |        |
| 1/4 | 74,312 | 1/4 | 59,130 | 1/4 | 43,960 | 1/4 | 28,786 | 1/4 | 13,604 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 73,996 | 1/2 | 58,813 | 1/2 | 43,644 | 1/2 | 28,470 | 1/2 | 13,288 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 73,680 | 3/4 | 58,497 | 3/4 | 43,329 | 3/4 | 28,153 | 3/4 | 12,972 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 10  | 73,363 | 10  | 58,181 | 10  | 43,013 | 10  | 27,837 | 10  | 12,655 | 10  |        | 10  |        | 10  |        | 10  |        | 10  |        |
| 1/4 | 73,047 | 1/4 | 57,865 | 1/4 | 42,697 | 1/4 | 27,521 | 1/4 | 12,339 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 72,731 | 1/2 | 57,548 | 1/2 | 42,381 | 1/2 | 27,205 | 1/2 | 12,023 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 72,414 | 3/4 | 57,232 | 3/4 | 42,066 | 3/4 | 26,888 | 3/4 | 11,706 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 11  | 72,098 | 11  | 56,916 | 11  | 41,750 | 11  | 26,572 | 11  | 11,390 | 11  |        | 11  |        | 11  |        | 11  |        | 11  |        |
| 1/4 | 71,782 | 1/4 | 56,599 | 1/4 | 41,434 | 1/4 | 26,256 | 1/4 | 11,074 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 71,465 | 1/2 | 56,283 | 1/2 | 41,118 | 1/2 | 25,939 | 1/2 | 10,758 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 71,149 | 3/4 | 55,967 | 3/4 | 40,802 | 3/4 | 25,623 | 3/4 | 10,441 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/25/2013 CL  
CALCULATED: 06/25/2013 CL  
PRINTED: 06/26/2013 SW

CANCELS AND SUPERCEDES  
ALL PRIOR TO 06/2013

PRECISION MEASUREMENT  
& ANALYSIS, INC.  
P.O. Box 2092  
Pearland, Texas 77588  
<http://www.pmacorp.net>



# BARGE "CBC 385"

2 STBD

## ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-08 1/4"

| IN  | 0 FT. | IN  | 1 FT.   | IN  | 2 FT.   | IN  | 3 FT.   | IN  | 4 FT.   | IN  | 5 FT.   | IN  | 6 FT.   | IN  | 7 FT.   | IN  | 8 FT.   | IN  | 9 FT.   |
|-----|-------|-----|---------|-----|---------|-----|---------|-----|---------|-----|---------|-----|---------|-----|---------|-----|---------|-----|---------|
| 0   |       | 0   |         | 0   | 207,055 | 0   | 191,913 | 0   | 176,736 | 0   | 161,559 | 0   | 146,382 | 0   | 131,205 | 0   | 116,028 | 0   | 100,848 |
| 1/4 |       | 1/4 | 220,802 | 1/4 | 206,740 | 1/4 | 191,597 | 1/4 | 176,420 | 1/4 | 161,243 | 1/4 | 146,066 | 1/4 | 130,889 | 1/4 | 115,712 | 1/4 | 100,532 |
| 1/2 |       | 1/2 | 220,621 | 1/2 | 206,425 | 1/2 | 191,281 | 1/2 | 176,104 | 1/2 | 160,927 | 1/2 | 145,750 | 1/2 | 130,573 | 1/2 | 115,396 | 1/2 | 100,215 |
| 3/4 |       | 3/4 | 220,439 | 3/4 | 206,110 | 3/4 | 190,965 | 3/4 | 175,788 | 3/4 | 160,611 | 3/4 | 145,434 | 3/4 | 130,257 | 3/4 | 115,080 | 3/4 | 99,899  |
| 1   |       | 1   | 220,258 | 1   | 205,795 | 1   | 190,649 | 1   | 175,472 | 1   | 160,295 | 1   | 145,118 | 1   | 129,941 | 1   | 114,763 | 1   | 99,583  |
| 1/4 |       | 1/4 | 220,076 | 1/4 | 205,480 | 1/4 | 190,332 | 1/4 | 175,155 | 1/4 | 159,978 | 1/4 | 144,801 | 1/4 | 129,624 | 1/4 | 114,447 | 1/4 | 99,267  |
| 1/2 |       | 1/2 | 219,843 | 1/2 | 205,165 | 1/2 | 190,016 | 1/2 | 174,839 | 1/2 | 159,662 | 1/2 | 144,485 | 1/2 | 129,308 | 1/2 | 114,131 | 1/2 | 98,950  |
| 3/4 |       | 3/4 | 219,610 | 3/4 | 204,850 | 3/4 | 189,700 | 3/4 | 174,523 | 3/4 | 159,346 | 3/4 | 144,169 | 3/4 | 128,992 | 3/4 | 113,815 | 3/4 | 98,634  |
| 2   |       | 2   | 219,377 | 2   | 204,535 | 2   | 189,384 | 2   | 174,207 | 2   | 159,030 | 2   | 143,853 | 2   | 128,676 | 2   | 113,499 | 2   | 98,318  |
| 1/4 |       | 1/4 | 219,144 | 1/4 | 204,220 | 1/4 | 189,068 | 1/4 | 173,891 | 1/4 | 158,714 | 1/4 | 143,537 | 1/4 | 128,360 | 1/4 | 113,183 | 1/4 | 98,001  |
| 1/2 |       | 1/2 | 218,859 | 1/2 | 203,905 | 1/2 | 188,751 | 1/2 | 173,574 | 1/2 | 158,397 | 1/2 | 143,220 | 1/2 | 128,043 | 1/2 | 112,866 | 1/2 | 97,685  |
| 3/4 |       | 3/4 | 218,573 | 3/4 | 203,590 | 3/4 | 188,435 | 3/4 | 173,258 | 3/4 | 158,081 | 3/4 | 142,904 | 3/4 | 127,727 | 3/4 | 112,550 | 3/4 | 97,369  |
| 3   |       | 3   | 218,288 | 3   | 203,275 | 3   | 188,119 | 3   | 172,942 | 3   | 157,765 | 3   | 142,588 | 3   | 127,411 | 3   | 112,234 | 3   | 97,052  |
| 1/4 |       | 1/4 | 218,002 | 1/4 | 202,960 | 1/4 | 187,803 | 1/4 | 172,626 | 1/4 | 157,449 | 1/4 | 142,272 | 1/4 | 127,095 | 1/4 | 111,918 | 1/4 | 96,736  |
| 1/2 |       | 1/2 | 217,691 | 1/2 | 202,645 | 1/2 | 187,487 | 1/2 | 172,310 | 1/2 | 157,133 | 1/2 | 141,956 | 1/2 | 126,779 | 1/2 | 111,602 | 1/2 | 96,420  |
| 3/4 |       | 3/4 | 217,381 | 3/4 | 202,330 | 3/4 | 187,171 | 3/4 | 171,993 | 3/4 | 156,816 | 3/4 | 141,639 | 3/4 | 126,462 | 3/4 | 111,285 | 3/4 | 96,104  |
| 4   |       | 4   | 217,070 | 4   | 202,015 | 4   | 186,854 | 4   | 171,677 | 4   | 156,500 | 4   | 141,323 | 4   | 126,146 | 4   | 110,969 | 4   | 95,787  |
| 1/4 |       | 1/4 | 216,760 | 1/4 | 201,701 | 1/4 | 186,538 | 1/4 | 171,361 | 1/4 | 156,184 | 1/4 | 141,007 | 1/4 | 125,830 | 1/4 | 110,653 | 1/4 | 95,471  |
| 1/2 |       | 1/2 | 216,448 | 1/2 | 201,386 | 1/2 | 186,222 | 1/2 | 171,045 | 1/2 | 155,868 | 1/2 | 140,691 | 1/2 | 125,514 | 1/2 | 110,337 | 1/2 | 95,155  |
| 3/4 |       | 3/4 | 216,136 | 3/4 | 201,071 | 3/4 | 185,906 | 3/4 | 170,729 | 3/4 | 155,552 | 3/4 | 140,375 | 3/4 | 125,198 | 3/4 | 110,021 | 3/4 | 94,838  |
| 5   |       | 5   | 215,825 | 5   | 200,756 | 5   | 185,590 | 5   | 170,413 | 5   | 155,236 | 5   | 140,059 | 5   | 124,882 | 5   | 109,704 | 5   | 94,522  |
| 1/4 |       | 1/4 | 215,513 | 1/4 | 200,441 | 1/4 | 185,273 | 1/4 | 170,096 | 1/4 | 154,919 | 1/4 | 139,742 | 1/4 | 124,565 | 1/4 | 109,388 | 1/4 | 94,206  |
| 1/2 |       | 1/2 | 215,201 | 1/2 | 200,126 | 1/2 | 184,957 | 1/2 | 169,780 | 1/2 | 154,603 | 1/2 | 139,426 | 1/2 | 124,249 | 1/2 | 109,072 | 1/2 | 93,889  |
| 3/4 |       | 3/4 | 214,889 | 3/4 | 199,811 | 3/4 | 184,641 | 3/4 | 169,464 | 3/4 | 154,287 | 3/4 | 139,110 | 3/4 | 123,933 | 3/4 | 108,756 | 3/4 | 93,573  |
| 6   |       | 6   | 214,577 | 6   | 199,496 | 6   | 184,325 | 6   | 169,148 | 6   | 153,971 | 6   | 138,794 | 6   | 123,617 | 6   | 108,439 | 6   | 93,257  |
| 1/4 |       | 1/4 | 214,265 | 1/4 | 199,181 | 1/4 | 184,009 | 1/4 | 168,832 | 1/4 | 153,655 | 1/4 | 138,478 | 1/4 | 123,301 | 1/4 | 108,123 | 1/4 | 92,940  |
| 1/2 |       | 1/2 | 213,953 | 1/2 | 198,866 | 1/2 | 183,692 | 1/2 | 168,515 | 1/2 | 153,338 | 1/2 | 138,161 | 1/2 | 122,984 | 1/2 | 107,807 | 1/2 | 92,624  |
| 3/4 |       | 3/4 | 213,641 | 3/4 | 198,551 | 3/4 | 183,376 | 3/4 | 168,199 | 3/4 | 153,022 | 3/4 | 137,845 | 3/4 | 122,668 | 3/4 | 107,490 | 3/4 | 92,308  |
| 7   |       | 7   | 213,329 | 7   | 198,236 | 7   | 183,060 | 7   | 167,883 | 7   | 152,706 | 7   | 137,529 | 7   | 122,352 | 7   | 107,174 | 7   | 91,992  |
| 1/4 |       | 1/4 | 213,017 | 1/4 | 197,921 | 1/4 | 182,744 | 1/4 | 167,567 | 1/4 | 152,390 | 1/4 | 137,213 | 1/4 | 122,036 | 1/4 | 106,858 | 1/4 | 91,675  |
| 1/2 |       | 1/2 | 212,705 | 1/2 | 197,605 | 1/2 | 182,428 | 1/2 | 167,251 | 1/2 | 152,074 | 1/2 | 136,897 | 1/2 | 121,720 | 1/2 | 106,542 | 1/2 | 91,359  |
| 3/4 |       | 3/4 | 212,393 | 3/4 | 197,289 | 3/4 | 182,112 | 3/4 | 166,934 | 3/4 | 151,757 | 3/4 | 136,580 | 3/4 | 121,403 | 3/4 | 106,225 | 3/4 | 91,043  |
| 8   |       | 8   | 212,081 | 8   | 196,972 | 8   | 181,795 | 8   | 166,618 | 8   | 151,441 | 8   | 136,264 | 8   | 121,087 | 8   | 105,909 | 8   | 90,726  |
| 1/4 |       | 1/4 | 211,769 | 1/4 | 196,656 | 1/4 | 181,479 | 1/4 | 166,302 | 1/4 | 151,125 | 1/4 | 135,948 | 1/4 | 120,771 | 1/4 | 105,593 | 1/4 | 90,410  |
| 1/2 |       | 1/2 | 211,457 | 1/2 | 196,340 | 1/2 | 181,163 | 1/2 | 165,986 | 1/2 | 150,809 | 1/2 | 135,632 | 1/2 | 120,455 | 1/2 | 105,276 | 1/2 | 90,094  |
| 3/4 |       | 3/4 | 211,145 | 3/4 | 196,024 | 3/4 | 180,847 | 3/4 | 165,670 | 3/4 | 150,493 | 3/4 | 135,316 | 3/4 | 120,139 | 3/4 | 104,960 | 3/4 | 89,777  |
| 9   |       | 9   | 210,832 | 9   | 195,708 | 9   | 180,531 | 9   | 165,354 | 9   | 150,177 | 9   | 135,000 | 9   | 119,822 | 9   | 104,644 | 9   | 89,461  |
| 1/4 |       | 1/4 | 210,520 | 1/4 | 195,391 | 1/4 | 180,214 | 1/4 | 165,037 | 1/4 | 149,860 | 1/4 | 134,683 | 1/4 | 119,506 | 1/4 | 104,327 | 1/4 | 89,145  |
| 1/2 |       | 1/2 | 210,205 | 1/2 | 195,075 | 1/2 | 179,898 | 1/2 | 164,721 | 1/2 | 149,544 | 1/2 | 134,367 | 1/2 | 119,190 | 1/2 | 104,011 | 1/2 | 88,829  |
| 3/4 |       | 3/4 | 209,890 | 3/4 | 194,759 | 3/4 | 179,582 | 3/4 | 164,405 | 3/4 | 149,228 | 3/4 | 134,051 | 3/4 | 118,874 | 3/4 | 103,695 | 3/4 | 88,512  |
| 10  |       | 10  | 209,575 | 10  | 194,443 | 10  | 179,266 | 10  | 164,089 | 10  | 148,912 | 10  | 133,735 | 10  | 118,558 | 10  | 103,379 | 10  | 88,196  |
| 1/4 |       | 1/4 | 209,260 | 1/4 | 194,127 | 1/4 | 178,950 | 1/4 | 163,773 | 1/4 | 148,596 | 1/4 | 133,419 | 1/4 | 118,242 | 1/4 | 103,062 | 1/4 | 87,880  |
| 1/2 |       | 1/2 | 208,945 | 1/2 | 193,810 | 1/2 | 178,633 | 1/2 | 163,456 | 1/2 | 148,279 | 1/2 | 133,102 | 1/2 | 117,925 | 1/2 | 102,746 | 1/2 | 87,563  |
| 3/4 |       | 3/4 | 208,630 | 3/4 | 193,494 | 3/4 | 178,317 | 3/4 | 163,140 | 3/4 | 147,963 | 3/4 | 132,786 | 3/4 | 117,609 | 3/4 | 102,430 | 3/4 | 87,247  |
| 11  |       | 11  | 208,315 | 11  | 193,178 | 11  | 178,001 | 11  | 162,824 | 11  | 147,647 | 11  | 132,470 | 11  | 117,293 | 11  | 102,113 | 11  | 86,931  |
| 1/4 |       | 1/4 | 208,000 | 1/4 | 192,862 | 1/4 | 177,685 | 1/4 | 162,508 | 1/4 | 147,331 | 1/4 | 132,154 | 1/4 | 116,977 | 1/4 | 101,797 | 1/4 | 86,614  |
| 1/2 |       | 1/2 | 207,685 | 1/2 | 192,546 | 1/2 | 177,369 | 1/2 | 162,192 | 1/2 | 147,015 | 1/2 | 131,838 | 1/2 | 116,661 | 1/2 | 101,481 | 1/2 | 86,298  |
| 3/4 |       | 3/4 | 207,370 | 3/4 | 192,230 | 3/4 | 177,053 | 3/4 | 161,875 | 3/4 | 146,698 | 3/4 | 131,521 | 3/4 | 116,344 | 3/4 | 101,164 | 3/4 | 85,982  |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP LIP OF 2" "HERMETIC" VALVE

GAUGE POINT: (HERMETIC) LOCATED 10'-09" OFF CENTERLINE AND 42'-03" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>





# BARGE "CBC 385"

2 STBD  
ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-08 1/4"

| IN  | 10 FT. | IN  | 11 FT. | IN  | 12 FT. | IN  | 13 FT. | IN  | 14 FT. | IN  | 15 FT. | IN  | 16 FT. | IN  | 17 FT. | IN  | 18 FT. | IN  | 19 FT. |
|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|
| 0   | 85,665 | 0   | 70,483 | 0   | 55,300 | 0   | 40,678 | 0   | 25,624 | 0   | 10,442 | 0   |        | 0   |        | 0   |        | 0   |        |
| 1/4 | 85,349 | 1/4 | 70,167 | 1/4 | 54,984 | 1/4 | 40,376 | 1/4 | 25,307 | 1/4 | 10,125 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 85,033 | 1/2 | 69,850 | 1/2 | 54,668 | 1/2 | 40,074 | 1/2 | 24,991 | 1/2 | 9,809  | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 84,717 | 3/4 | 69,534 | 3/4 | 54,351 | 3/4 | 39,772 | 3/4 | 24,675 | 3/4 | 9,493  | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 1   | 84,400 | 1   | 69,218 | 1   | 54,035 | 1   | 39,470 | 1   | 24,358 | 1   | 9,176  | 1   |        | 1   |        | 1   |        | 1   |        |
| 1/4 | 84,084 | 1/4 | 68,901 | 1/4 | 53,719 | 1/4 | 39,168 | 1/4 | 24,042 | 1/4 | 8,860  | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 83,768 | 1/2 | 68,585 | 1/2 | 53,402 | 1/2 | 38,866 | 1/2 | 23,726 | 1/2 | 8,544  | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 83,451 | 3/4 | 68,269 | 3/4 | 53,086 | 3/4 | 38,564 | 3/4 | 23,410 | 3/4 | 8,227  | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 2   | 83,135 | 2   | 67,952 | 2   | 52,770 | 2   | 38,261 | 2   | 23,093 | 2   | 7,911  | 2   |        | 2   |        | 2   |        | 2   |        |
| 1/4 | 82,819 | 1/4 | 67,636 | 1/4 | 52,454 | 1/4 | 37,959 | 1/4 | 22,777 | 1/4 | 7,595  | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 82,502 | 1/2 | 67,320 | 1/2 | 52,151 | 1/2 | 37,643 | 1/2 | 22,461 | 1/2 | 7,279  | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 82,186 | 3/4 | 67,004 | 3/4 | 51,849 | 3/4 | 37,326 | 3/4 | 22,144 | 3/4 | 6,962  | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 3   | 81,870 | 3   | 66,687 | 3   | 51,546 | 3   | 37,010 | 3   | 21,828 | 3   | 6,646  | 3   |        | 3   |        | 3   |        | 3   |        |
| 1/4 | 81,554 | 1/4 | 66,371 | 1/4 | 51,244 | 1/4 | 36,694 | 1/4 | 21,512 | 1/4 | 6,330  | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 81,237 | 1/2 | 66,055 | 1/2 | 50,942 | 1/2 | 36,377 | 1/2 | 21,195 | 1/2 | 6,014  | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 80,921 | 3/4 | 65,738 | 3/4 | 50,640 | 3/4 | 36,061 | 3/4 | 20,879 | 3/4 | 5,698  | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 4   | 80,605 | 4   | 65,422 | 4   | 50,338 | 4   | 35,745 | 4   | 20,563 | 4   | 5,382  | 4   |        | 4   |        | 4   |        | 4   |        |
| 1/4 | 80,288 | 1/4 | 65,106 | 1/4 | 50,036 | 1/4 | 35,429 | 1/4 | 20,247 | 1/4 | 5,067  | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 79,972 | 1/2 | 64,789 | 1/2 | 49,734 | 1/2 | 35,112 | 1/2 | 19,930 | 1/2 | 4,752  | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 79,656 | 3/4 | 64,473 | 3/4 | 49,433 | 3/4 | 34,796 | 3/4 | 19,614 | 3/4 | 4,437  | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 5   | 79,339 | 5   | 64,157 | 5   | 49,131 | 5   | 34,480 | 5   | 19,298 | 5   | 4,122  | 5   |        | 5   |        | 5   |        | 5   |        |
| 1/4 | 79,023 | 1/4 | 63,840 | 1/4 | 48,829 | 1/4 | 34,163 | 1/4 | 18,981 | 1/4 | 3,807  | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 78,707 | 1/2 | 63,524 | 1/2 | 48,527 | 1/2 | 33,847 | 1/2 | 18,665 | 1/2 | 3,518  | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 78,390 | 3/4 | 63,208 | 3/4 | 48,225 | 3/4 | 33,531 | 3/4 | 18,349 | 3/4 | 3,228  | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 6   | 78,074 | 6   | 62,892 | 6   | 47,923 | 6   | 33,215 | 6   | 18,033 | 6   | 2,938  | 6   |        | 6   |        | 6   |        | 6   |        |
| 1/4 | 77,758 | 1/4 | 62,575 | 1/4 | 47,621 | 1/4 | 32,898 | 1/4 | 17,716 | 1/4 | 2,648  | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 77,442 | 1/2 | 62,259 | 1/2 | 47,319 | 1/2 | 32,582 | 1/2 | 17,400 | 1/2 | 2,411  | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 77,125 | 3/4 | 61,943 | 3/4 | 47,018 | 3/4 | 32,266 | 3/4 | 17,084 | 3/4 | 2,174  | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 7   | 76,809 | 7   | 61,626 | 7   | 46,716 | 7   | 31,949 | 7   | 16,767 | 7   | 1,936  | 7   |        | 7   |        | 7   |        | 7   |        |
| 1/4 | 76,493 | 1/4 | 61,310 | 1/4 | 46,414 | 1/4 | 31,633 | 1/4 | 16,451 | 1/4 | 1,699  | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 76,176 | 1/2 | 60,994 | 1/2 | 46,112 | 1/2 | 31,317 | 1/2 | 16,135 | 1/2 | 1,515  | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 75,860 | 3/4 | 60,677 | 3/4 | 45,810 | 3/4 | 31,001 | 3/4 | 15,818 | 3/4 | 1,330  | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 8   | 75,544 | 8   | 60,361 | 8   | 45,508 | 8   | 30,684 | 8   | 15,502 | 8   | 1,146  | 8   |        | 8   |        | 8   |        | 8   |        |
| 1/4 | 75,227 | 1/4 | 60,045 | 1/4 | 45,206 | 1/4 | 30,368 | 1/4 | 15,186 | 1/4 | 961    | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 74,911 | 1/2 | 59,729 | 1/2 | 44,904 | 1/2 | 30,052 | 1/2 | 14,870 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 74,595 | 3/4 | 59,412 | 3/4 | 44,602 | 3/4 | 29,735 | 3/4 | 14,553 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 9   | 74,279 | 9   | 59,096 | 9   | 44,301 | 9   | 29,419 | 9   | 14,237 | 9   |        | 9   |        | 9   |        | 9   |        | 9   |        |
| 1/4 | 73,962 | 1/4 | 58,780 | 1/4 | 43,999 | 1/4 | 29,103 | 1/4 | 13,921 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 73,646 | 1/2 | 58,463 | 1/2 | 43,697 | 1/2 | 28,786 | 1/2 | 13,604 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 73,330 | 3/4 | 58,147 | 3/4 | 43,395 | 3/4 | 28,470 | 3/4 | 13,288 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 10  | 73,013 | 10  | 57,831 | 10  | 43,093 | 10  | 28,154 | 10  | 12,972 | 10  |        | 10  |        | 10  |        | 10  |        | 10  |        |
| 1/4 | 72,697 | 1/4 | 57,514 | 1/4 | 42,791 | 1/4 | 27,838 | 1/4 | 12,656 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 72,381 | 1/2 | 57,198 | 1/2 | 42,489 | 1/2 | 27,521 | 1/2 | 12,339 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 72,064 | 3/4 | 56,882 | 3/4 | 42,187 | 3/4 | 27,205 | 3/4 | 12,023 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 11  | 71,748 | 11  | 56,565 | 11  | 41,885 | 11  | 26,889 | 11  | 11,707 | 11  |        | 11  |        | 11  |        | 11  |        | 11  |        |
| 1/4 | 71,432 | 1/4 | 56,249 | 1/4 | 41,584 | 1/4 | 26,572 | 1/4 | 11,390 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 71,115 | 1/2 | 55,933 | 1/2 | 41,282 | 1/2 | 26,256 | 1/2 | 11,074 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 70,799 | 3/4 | 55,617 | 3/4 | 40,980 | 3/4 | 25,940 | 3/4 | 10,758 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/25/2013 CL  
CALCULATED: 06/25/2013 CL  
PRINTED: 06/26/2013 SW

CANCELS AND SUPERCEDES  
ALL PRIOR TO 06/2013

PRECISION MEASUREMENT  
& ANALYSIS, INC.  
P.O. Box 2092  
Pearland, Texas 77588  
<http://www.pmacorp.net>





# BARGE "CBC 385"

## 3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-08 1/4"

| IN  | 0 FT. | IN  | 1 FT.   | IN  | 2 FT.   | IN  | 3 FT.   | IN  | 4 FT.   | IN  | 5 FT.   | IN  | 6 FT.   | IN  | 7 FT.   | IN  | 8 FT.   | IN  | 9 FT.   |
|-----|-------|-----|---------|-----|---------|-----|---------|-----|---------|-----|---------|-----|---------|-----|---------|-----|---------|-----|---------|
| 0   |       | 0   |         | 0   | 179,245 | 0   | 171,134 | 0   | 163,004 | 0   | 154,875 | 0   | 146,313 | 0   | 131,279 | 0   | 116,192 | 0   | 101,080 |
| 1/4 |       | 1/4 | 186,168 | 1/4 | 179,077 | 1/4 | 170,964 | 1/4 | 162,835 | 1/4 | 154,706 | 1/4 | 146,000 | 1/4 | 130,965 | 1/4 | 115,877 | 1/4 | 100,765 |
| 1/2 |       | 1/2 | 186,131 | 1/2 | 178,908 | 1/2 | 170,795 | 1/2 | 162,666 | 1/2 | 154,536 | 1/2 | 145,686 | 1/2 | 130,651 | 1/2 | 115,563 | 1/2 | 100,450 |
| 3/4 |       | 3/4 | 186,095 | 3/4 | 178,739 | 3/4 | 170,626 | 3/4 | 162,496 | 3/4 | 154,367 | 3/4 | 145,373 | 3/4 | 130,336 | 3/4 | 115,248 | 3/4 | 100,135 |
| 1   |       | 1   | 186,058 | 1   | 178,570 | 1   | 170,456 | 1   | 162,327 | 1   | 154,198 | 1   | 145,059 | 1   | 130,022 | 1   | 114,933 | 1   | 99,820  |
| 1/4 |       | 1/4 | 186,022 | 1/4 | 178,402 | 1/4 | 170,287 | 1/4 | 162,158 | 1/4 | 154,028 | 1/4 | 144,746 | 1/4 | 129,708 | 1/4 | 114,618 | 1/4 | 99,506  |
| 1/2 |       | 1/2 | 185,933 | 1/2 | 178,233 | 1/2 | 170,118 | 1/2 | 161,988 | 1/2 | 153,859 | 1/2 | 144,432 | 1/2 | 129,394 | 1/2 | 114,303 | 1/2 | 99,191  |
| 3/4 |       | 3/4 | 185,845 | 3/4 | 178,064 | 3/4 | 169,948 | 3/4 | 161,819 | 3/4 | 153,690 | 3/4 | 144,119 | 3/4 | 129,079 | 3/4 | 113,989 | 3/4 | 98,876  |
| 2   |       | 2   | 185,757 | 2   | 177,895 | 2   | 169,779 | 2   | 161,649 | 2   | 153,520 | 2   | 143,805 | 2   | 128,765 | 2   | 113,674 | 2   | 98,561  |
| 1/4 |       | 1/4 | 185,668 | 1/4 | 177,727 | 1/4 | 169,609 | 1/4 | 161,480 | 1/4 | 153,351 | 1/4 | 143,492 | 1/4 | 128,451 | 1/4 | 113,359 | 1/4 | 98,246  |
| 1/2 |       | 1/2 | 185,527 | 1/2 | 177,558 | 1/2 | 169,440 | 1/2 | 161,311 | 1/2 | 153,181 | 1/2 | 143,178 | 1/2 | 128,137 | 1/2 | 113,044 | 1/2 | 97,931  |
| 3/4 |       | 3/4 | 185,386 | 3/4 | 177,389 | 3/4 | 169,271 | 3/4 | 161,141 | 3/4 | 153,012 | 3/4 | 142,865 | 3/4 | 127,822 | 3/4 | 112,729 | 3/4 | 97,616  |
| 3   |       | 3   | 185,246 | 3   | 177,220 | 3   | 169,101 | 3   | 160,972 | 3   | 152,843 | 3   | 142,552 | 3   | 127,508 | 3   | 112,415 | 3   | 97,301  |
| 1/4 |       | 1/4 | 185,105 | 1/4 | 177,052 | 1/4 | 168,932 | 1/4 | 160,803 | 1/4 | 152,673 | 1/4 | 142,238 | 1/4 | 127,194 | 1/4 | 112,100 | 1/4 | 96,987  |
| 1/2 |       | 1/2 | 184,939 | 1/2 | 176,883 | 1/2 | 168,763 | 1/2 | 160,633 | 1/2 | 152,504 | 1/2 | 141,925 | 1/2 | 126,879 | 1/2 | 111,785 | 1/2 | 96,672  |
| 3/4 |       | 3/4 | 184,774 | 3/4 | 176,714 | 3/4 | 168,593 | 3/4 | 160,464 | 3/4 | 152,335 | 3/4 | 141,611 | 3/4 | 126,565 | 3/4 | 111,470 | 3/4 | 96,357  |
| 4   |       | 4   | 184,608 | 4   | 176,545 | 4   | 168,424 | 4   | 160,295 | 4   | 152,165 | 4   | 141,298 | 4   | 126,251 | 4   | 111,155 | 4   | 96,042  |
| 1/4 |       | 1/4 | 184,442 | 1/4 | 176,377 | 1/4 | 168,255 | 1/4 | 160,125 | 1/4 | 151,996 | 1/4 | 140,984 | 1/4 | 125,937 | 1/4 | 110,840 | 1/4 | 95,727  |
| 1/2 |       | 1/2 | 184,276 | 1/2 | 176,208 | 1/2 | 168,085 | 1/2 | 159,956 | 1/2 | 151,827 | 1/2 | 140,671 | 1/2 | 125,622 | 1/2 | 110,526 | 1/2 | 95,412  |
| 3/4 |       | 3/4 | 184,109 | 3/4 | 176,039 | 3/4 | 167,916 | 3/4 | 159,787 | 3/4 | 151,657 | 3/4 | 140,357 | 3/4 | 125,308 | 3/4 | 110,211 | 3/4 | 95,097  |
| 5   |       | 5   | 183,942 | 5   | 175,870 | 5   | 167,746 | 5   | 159,617 | 5   | 151,488 | 5   | 140,044 | 5   | 124,994 | 5   | 109,896 | 5   | 94,782  |
| 1/4 |       | 1/4 | 183,775 | 1/4 | 175,702 | 1/4 | 167,577 | 1/4 | 159,448 | 1/4 | 151,319 | 1/4 | 139,730 | 1/4 | 124,680 | 1/4 | 109,581 | 1/4 | 94,468  |
| 1/2 |       | 1/2 | 183,608 | 1/2 | 175,533 | 1/2 | 167,408 | 1/2 | 159,278 | 1/2 | 151,149 | 1/2 | 139,417 | 1/2 | 124,365 | 1/2 | 109,266 | 1/2 | 94,153  |
| 3/4 |       | 3/4 | 183,441 | 3/4 | 175,364 | 3/4 | 167,238 | 3/4 | 159,109 | 3/4 | 150,980 | 3/4 | 139,104 | 3/4 | 124,051 | 3/4 | 108,952 | 3/4 | 93,838  |
| 6   |       | 6   | 183,274 | 6   | 175,195 | 6   | 167,069 | 6   | 158,940 | 6   | 150,810 | 6   | 138,792 | 6   | 123,737 | 6   | 108,637 | 6   | 93,523  |
| 1/4 |       | 1/4 | 183,107 | 1/4 | 175,027 | 1/4 | 166,900 | 1/4 | 158,770 | 1/4 | 150,641 | 1/4 | 138,479 | 1/4 | 123,422 | 1/4 | 108,322 | 1/4 | 93,208  |
| 1/2 |       | 1/2 | 182,940 | 1/2 | 174,858 | 1/2 | 166,730 | 1/2 | 158,601 | 1/2 | 150,472 | 1/2 | 138,166 | 1/2 | 123,108 | 1/2 | 108,007 | 1/2 | 92,893  |
| 3/4 |       | 3/4 | 182,773 | 3/4 | 174,689 | 3/4 | 166,561 | 3/4 | 158,432 | 3/4 | 150,302 | 3/4 | 137,853 | 3/4 | 122,794 | 3/4 | 107,692 | 3/4 | 92,578  |
| 7   |       | 7   | 182,606 | 7   | 174,520 | 7   | 166,392 | 7   | 158,262 | 7   | 150,133 | 7   | 137,540 | 7   | 122,480 | 7   | 107,377 | 7   | 92,264  |
| 1/4 |       | 1/4 | 182,439 | 1/4 | 174,352 | 1/4 | 166,222 | 1/4 | 158,093 | 1/4 | 149,964 | 1/4 | 137,227 | 1/4 | 122,165 | 1/4 | 107,062 | 1/4 | 91,949  |
| 1/2 |       | 1/2 | 182,271 | 1/2 | 174,182 | 1/2 | 166,053 | 1/2 | 157,924 | 1/2 | 149,794 | 1/2 | 136,915 | 1/2 | 121,851 | 1/2 | 106,747 | 1/2 | 91,634  |
| 3/4 |       | 3/4 | 182,104 | 3/4 | 174,013 | 3/4 | 165,884 | 3/4 | 157,754 | 3/4 | 149,625 | 3/4 | 136,602 | 3/4 | 121,537 | 3/4 | 106,433 | 3/4 | 91,319  |
| 8   |       | 8   | 181,937 | 8   | 173,843 | 8   | 165,714 | 8   | 157,585 | 8   | 149,456 | 8   | 136,289 | 8   | 121,223 | 8   | 106,118 | 8   | 91,004  |
| 1/4 |       | 1/4 | 181,770 | 1/4 | 173,674 | 1/4 | 165,545 | 1/4 | 157,415 | 1/4 | 149,286 | 1/4 | 135,976 | 1/4 | 120,908 | 1/4 | 105,803 | 1/4 | 90,689  |
| 1/2 |       | 1/2 | 181,603 | 1/2 | 173,505 | 1/2 | 165,375 | 1/2 | 157,246 | 1/2 | 149,117 | 1/2 | 135,663 | 1/2 | 120,594 | 1/2 | 105,488 | 1/2 | 90,374  |
| 3/4 |       | 3/4 | 181,436 | 3/4 | 173,335 | 3/4 | 165,206 | 3/4 | 157,077 | 3/4 | 148,947 | 3/4 | 135,350 | 3/4 | 120,280 | 3/4 | 105,173 | 3/4 | 90,059  |
| 9   |       | 9   | 181,269 | 9   | 173,166 | 9   | 165,037 | 9   | 156,907 | 9   | 148,778 | 9   | 135,038 | 9   | 119,965 | 9   | 104,858 | 9   | 89,745  |
| 1/4 |       | 1/4 | 181,102 | 1/4 | 172,997 | 1/4 | 164,867 | 1/4 | 156,738 | 1/4 | 148,609 | 1/4 | 134,725 | 1/4 | 119,651 | 1/4 | 104,543 | 1/4 | 89,430  |
| 1/2 |       | 1/2 | 180,933 | 1/2 | 172,827 | 1/2 | 164,698 | 1/2 | 156,569 | 1/2 | 148,439 | 1/2 | 134,412 | 1/2 | 119,337 | 1/2 | 104,229 | 1/2 | 89,115  |
| 3/4 |       | 3/4 | 180,764 | 3/4 | 172,658 | 3/4 | 164,529 | 3/4 | 156,399 | 3/4 | 148,270 | 3/4 | 134,099 | 3/4 | 119,023 | 3/4 | 103,914 | 3/4 | 88,800  |
| 10  |       | 10  | 180,595 | 10  | 172,489 | 10  | 164,359 | 10  | 156,230 | 10  | 148,101 | 10  | 133,786 | 10  | 118,708 | 10  | 103,599 | 10  | 88,485  |
| 1/4 |       | 1/4 | 180,427 | 1/4 | 172,319 | 1/4 | 164,190 | 1/4 | 156,061 | 1/4 | 147,931 | 1/4 | 133,473 | 1/4 | 118,394 | 1/4 | 103,284 | 1/4 | 88,170  |
| 1/2 |       | 1/2 | 180,258 | 1/2 | 172,150 | 1/2 | 164,021 | 1/2 | 155,891 | 1/2 | 147,762 | 1/2 | 133,161 | 1/2 | 118,080 | 1/2 | 102,969 | 1/2 | 87,855  |
| 3/4 |       | 3/4 | 180,089 | 3/4 | 171,980 | 3/4 | 163,851 | 3/4 | 155,722 | 3/4 | 147,593 | 3/4 | 132,848 | 3/4 | 117,766 | 3/4 | 102,654 | 3/4 | 87,541  |
| 11  |       | 11  | 179,920 | 11  | 171,811 | 11  | 163,682 | 11  | 155,553 | 11  | 147,423 | 11  | 132,535 | 11  | 117,451 | 11  | 102,339 | 11  | 87,226  |
| 1/4 |       | 1/4 | 179,752 | 1/4 | 171,642 | 1/4 | 163,512 | 1/4 | 155,383 | 1/4 | 147,254 | 1/4 | 132,222 | 1/4 | 117,137 | 1/4 | 102,024 | 1/4 | 86,911  |
| 1/2 |       | 1/2 | 179,583 | 1/2 | 171,472 | 1/2 | 163,343 | 1/2 | 155,214 | 1/2 | 146,940 | 1/2 | 131,908 | 1/2 | 116,822 | 1/2 | 101,710 | 1/2 | 86,596  |
| 3/4 |       | 3/4 | 179,414 | 3/4 | 171,303 | 3/4 | 163,174 | 3/4 | 155,044 | 3/4 | 146,627 | 3/4 | 131,594 | 3/4 | 116,507 | 3/4 | 101,395 | 3/4 | 86,281  |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP LIP OF 2" "HERMETIC" VALVE

GAUGE POINT: (HERMETIC) LOCATED 10'-09" OFF CENTERLINE AND 55'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



# BARGE "CBC 385"

## 3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-08 1/4"

| IN  | 10 FT. | IN  | 11 FT. | IN  | 12 FT. | IN  | 13 FT. | IN  | 14 FT. | IN  | 15 FT. | IN  | 16 FT. | IN  | 17 FT. | IN  | 18 FT. | IN  | 19 FT. |
|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|
| 0   | 85,966 | 0   | 70,849 | 0   | 55,732 | 0   | 40,627 | 0   | 25,514 | 0   | 10,397 | 0   |        | 0   |        | 0   |        | 0   |        |
| 1/4 | 85,651 | 1/4 | 70,534 | 1/4 | 55,417 | 1/4 | 40,313 | 1/4 | 25,199 | 1/4 | 10,082 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 85,336 | 1/2 | 70,219 | 1/2 | 55,102 | 1/2 | 39,998 | 1/2 | 24,884 | 1/2 | 9,767  | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 85,021 | 3/4 | 69,904 | 3/4 | 54,787 | 3/4 | 39,684 | 3/4 | 24,569 | 3/4 | 9,452  | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 1   | 84,707 | 1   | 69,589 | 1   | 54,472 | 1   | 39,369 | 1   | 24,254 | 1   | 9,137  | 1   |        | 1   |        | 1   |        | 1   |        |
| 1/4 | 84,392 | 1/4 | 69,274 | 1/4 | 54,157 | 1/4 | 39,055 | 1/4 | 23,939 | 1/4 | 8,822  | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 84,077 | 1/2 | 68,959 | 1/2 | 53,842 | 1/2 | 38,740 | 1/2 | 23,624 | 1/2 | 8,507  | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 83,762 | 3/4 | 68,644 | 3/4 | 53,527 | 3/4 | 38,425 | 3/4 | 23,309 | 3/4 | 8,192  | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 2   | 83,447 | 2   | 68,329 | 2   | 53,212 | 2   | 38,111 | 2   | 22,994 | 2   | 7,878  | 2   |        | 2   |        | 2   |        | 2   |        |
| 1/4 | 83,132 | 1/4 | 68,015 | 1/4 | 52,897 | 1/4 | 37,796 | 1/4 | 22,679 | 1/4 | 7,563  | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 82,817 | 1/2 | 67,700 | 1/2 | 52,582 | 1/2 | 37,481 | 1/2 | 22,364 | 1/2 | 7,248  | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 82,502 | 3/4 | 67,385 | 3/4 | 52,267 | 3/4 | 37,166 | 3/4 | 22,049 | 3/4 | 6,933  | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 3   | 82,187 | 3   | 67,070 | 3   | 51,952 | 3   | 36,851 | 3   | 21,734 | 3   | 6,618  | 3   |        | 3   |        | 3   |        | 3   |        |
| 1/4 | 81,872 | 1/4 | 66,755 | 1/4 | 51,637 | 1/4 | 36,536 | 1/4 | 21,420 | 1/4 | 6,303  | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 81,557 | 1/2 | 66,440 | 1/2 | 51,323 | 1/2 | 36,221 | 1/2 | 21,105 | 1/2 | 5,989  | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 81,242 | 3/4 | 66,125 | 3/4 | 51,008 | 3/4 | 35,906 | 3/4 | 20,790 | 3/4 | 5,674  | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 4   | 80,927 | 4   | 65,810 | 4   | 50,693 | 4   | 35,591 | 4   | 20,475 | 4   | 5,360  | 4   |        | 4   |        | 4   |        | 4   |        |
| 1/4 | 80,612 | 1/4 | 65,495 | 1/4 | 50,378 | 1/4 | 35,276 | 1/4 | 20,160 | 1/4 | 5,045  | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 80,297 | 1/2 | 65,180 | 1/2 | 50,064 | 1/2 | 34,962 | 1/2 | 19,845 | 1/2 | 4,732  | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 79,982 | 3/4 | 64,865 | 3/4 | 49,749 | 3/4 | 34,647 | 3/4 | 19,530 | 3/4 | 4,418  | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 5   | 79,667 | 5   | 64,550 | 5   | 49,435 | 5   | 34,332 | 5   | 19,215 | 5   | 4,105  | 5   |        | 5   |        | 5   |        | 5   |        |
| 1/4 | 79,352 | 1/4 | 64,235 | 1/4 | 49,120 | 1/4 | 34,017 | 1/4 | 18,900 | 1/4 | 3,791  | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 79,038 | 1/2 | 63,920 | 1/2 | 48,805 | 1/2 | 33,702 | 1/2 | 18,585 | 1/2 | 3,503  | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 78,723 | 3/4 | 63,605 | 3/4 | 48,491 | 3/4 | 33,387 | 3/4 | 18,270 | 3/4 | 3,214  | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 6   | 78,408 | 6   | 63,290 | 6   | 48,176 | 6   | 33,072 | 6   | 17,955 | 6   | 2,926  | 6   |        | 6   |        | 6   |        | 6   |        |
| 1/4 | 78,093 | 1/4 | 62,975 | 1/4 | 47,862 | 1/4 | 32,757 | 1/4 | 17,640 | 1/4 | 2,637  | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 77,778 | 1/2 | 62,660 | 1/2 | 47,547 | 1/2 | 32,442 | 1/2 | 17,325 | 1/2 | 2,401  | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 77,463 | 3/4 | 62,346 | 3/4 | 47,233 | 3/4 | 32,127 | 3/4 | 17,011 | 3/4 | 2,165  | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 7   | 77,148 | 7   | 62,031 | 7   | 46,918 | 7   | 31,812 | 7   | 16,696 | 7   | 1,928  | 7   |        | 7   |        | 7   |        | 7   |        |
| 1/4 | 76,833 | 1/4 | 61,716 | 1/4 | 46,604 | 1/4 | 31,497 | 1/4 | 16,381 | 1/4 | 1,692  | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 76,518 | 1/2 | 61,401 | 1/2 | 46,289 | 1/2 | 31,182 | 1/2 | 16,066 | 1/2 | 1,509  | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 76,203 | 3/4 | 61,086 | 3/4 | 45,975 | 3/4 | 30,867 | 3/4 | 15,751 | 3/4 | 1,325  | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 8   | 75,888 | 8   | 60,771 | 8   | 45,660 | 8   | 30,553 | 8   | 15,436 | 8   | 1,141  | 8   |        | 8   |        | 8   |        | 8   |        |
| 1/4 | 75,573 | 1/4 | 60,456 | 1/4 | 45,345 | 1/4 | 30,238 | 1/4 | 15,121 | 1/4 | 957    | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 75,258 | 1/2 | 60,141 | 1/2 | 45,031 | 1/2 | 29,923 | 1/2 | 14,806 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 74,943 | 3/4 | 59,826 | 3/4 | 44,716 | 3/4 | 29,608 | 3/4 | 14,491 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 9   | 74,628 | 9   | 59,511 | 9   | 44,402 | 9   | 29,293 | 9   | 14,176 | 9   |        | 9   |        | 9   |        | 9   |        | 9   |        |
| 1/4 | 74,313 | 1/4 | 59,196 | 1/4 | 44,087 | 1/4 | 28,978 | 1/4 | 13,861 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 73,998 | 1/2 | 58,881 | 1/2 | 43,773 | 1/2 | 28,663 | 1/2 | 13,546 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 73,684 | 3/4 | 58,566 | 3/4 | 43,458 | 3/4 | 28,348 | 3/4 | 13,231 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 10  | 73,369 | 10  | 58,251 | 10  | 43,144 | 10  | 28,033 | 10  | 12,916 | 10  |        | 10  |        | 10  |        | 10  |        | 10  |        |
| 1/4 | 73,054 | 1/4 | 57,936 | 1/4 | 42,829 | 1/4 | 27,718 | 1/4 | 12,601 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 72,739 | 1/2 | 57,621 | 1/2 | 42,515 | 1/2 | 27,403 | 1/2 | 12,287 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 72,424 | 3/4 | 57,306 | 3/4 | 42,200 | 3/4 | 27,088 | 3/4 | 11,972 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 11  | 72,109 | 11  | 56,992 | 11  | 41,885 | 11  | 26,773 | 11  | 11,657 | 11  |        | 11  |        | 11  |        | 11  |        | 11  |        |
| 1/4 | 71,794 | 1/4 | 56,677 | 1/4 | 41,571 | 1/4 | 26,458 | 1/4 | 11,342 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 71,479 | 1/2 | 56,362 | 1/2 | 41,256 | 1/2 | 26,143 | 1/2 | 11,027 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 71,164 | 3/4 | 56,047 | 3/4 | 40,942 | 3/4 | 25,829 | 3/4 | 10,712 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/25/2013 CL  
CALCULATED: 06/25/2013 CL  
PRINTED: 06/26/2013 SW

CANCELS AND SUPERCEDES  
ALL PRIOR TO 06/2013

PRECISION MEASUREMENT  
& ANALYSIS, INC.  
P.O. Box 2092  
Pearland, Texas 77588  
<http://www.pmacorp.net>



# BARGE "CBC 385"

## 3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-08 1/2"

| IN  | 0 FT. | IN  | 1 FT.   | IN  | 2 FT.   | IN  | 3 FT.   | IN  | 4 FT.   | IN  | 5 FT.   | IN  | 6 FT.   | IN  | 7 FT.   | IN  | 8 FT.   | IN  | 9 FT.   |
|-----|-------|-----|---------|-----|---------|-----|---------|-----|---------|-----|---------|-----|---------|-----|---------|-----|---------|-----|---------|
| 0   |       | 0   |         | 0   | 178,270 | 0   | 170,187 | 0   | 162,086 | 0   | 153,985 | 0   | 145,596 | 0   | 130,591 | 0   | 115,540 | 0   | 100,456 |
| 1/4 |       | 1/4 |         | 1/4 | 178,102 | 1/4 | 170,019 | 1/4 | 161,918 | 1/4 | 153,816 | 1/4 | 145,283 | 1/4 | 130,277 | 1/4 | 115,226 | 1/4 | 100,142 |
| 1/2 |       | 1/2 | 184,997 | 1/2 | 177,934 | 1/2 | 169,850 | 1/2 | 161,749 | 1/2 | 153,648 | 1/2 | 144,970 | 1/2 | 129,963 | 1/2 | 114,912 | 1/2 | 99,827  |
| 3/4 |       | 3/4 | 184,961 | 3/4 | 177,766 | 3/4 | 169,681 | 3/4 | 161,580 | 3/4 | 153,479 | 3/4 | 144,657 | 3/4 | 129,650 | 3/4 | 114,597 | 3/4 | 99,513  |
| 1   |       | 1   | 184,925 | 1   | 177,597 | 1   | 169,512 | 1   | 161,411 | 1   | 153,310 | 1   | 144,344 | 1   | 129,336 | 1   | 114,283 | 1   | 99,199  |
| 1/4 |       | 1/4 | 184,889 | 1/4 | 177,429 | 1/4 | 169,343 | 1/4 | 161,242 | 1/4 | 153,141 | 1/4 | 144,031 | 1/4 | 129,022 | 1/4 | 113,969 | 1/4 | 98,885  |
| 1/2 |       | 1/2 | 184,853 | 1/2 | 177,261 | 1/2 | 169,175 | 1/2 | 161,074 | 1/2 | 152,973 | 1/2 | 143,718 | 1/2 | 128,709 | 1/2 | 113,655 | 1/2 | 98,570  |
| 3/4 |       | 3/4 | 184,765 | 3/4 | 177,093 | 3/4 | 169,006 | 3/4 | 160,905 | 3/4 | 152,804 | 3/4 | 143,406 | 3/4 | 128,395 | 3/4 | 113,341 | 3/4 | 98,256  |
| 2   |       | 2   | 184,678 | 2   | 176,925 | 2   | 168,837 | 2   | 160,736 | 2   | 152,635 | 2   | 143,093 | 2   | 128,082 | 2   | 113,026 | 2   | 97,942  |
| 1/4 |       | 1/4 | 184,590 | 1/4 | 176,757 | 1/4 | 168,668 | 1/4 | 160,567 | 1/4 | 152,466 | 1/4 | 142,780 | 1/4 | 127,769 | 1/4 | 112,712 | 1/4 | 97,628  |
| 1/2 |       | 1/2 | 184,502 | 1/2 | 176,588 | 1/2 | 168,500 | 1/2 | 160,399 | 1/2 | 152,297 | 1/2 | 142,467 | 1/2 | 127,455 | 1/2 | 112,398 | 1/2 | 97,313  |
| 3/4 |       | 3/4 | 184,362 | 3/4 | 176,420 | 3/4 | 168,331 | 3/4 | 160,230 | 3/4 | 152,129 | 3/4 | 142,154 | 3/4 | 127,142 | 3/4 | 112,084 | 3/4 | 96,999  |
| 3   |       | 3   | 184,221 | 3   | 176,252 | 3   | 168,162 | 3   | 160,061 | 3   | 151,960 | 3   | 141,841 | 3   | 126,828 | 3   | 111,769 | 3   | 96,685  |
| 1/4 |       | 1/4 | 184,081 | 1/4 | 176,084 | 1/4 | 167,993 | 1/4 | 159,892 | 1/4 | 151,791 | 1/4 | 141,528 | 1/4 | 126,515 | 1/4 | 111,455 | 1/4 | 96,370  |
| 1/2 |       | 1/2 | 183,941 | 1/2 | 175,916 | 1/2 | 167,825 | 1/2 | 159,723 | 1/2 | 151,622 | 1/2 | 141,215 | 1/2 | 126,202 | 1/2 | 111,141 | 1/2 | 96,056  |
| 3/4 |       | 3/4 | 183,776 | 3/4 | 175,748 | 3/4 | 167,656 | 3/4 | 159,555 | 3/4 | 151,454 | 3/4 | 140,902 | 3/4 | 125,888 | 3/4 | 110,827 | 3/4 | 95,742  |
| 4   |       | 4   | 183,611 | 4   | 175,579 | 4   | 167,487 | 4   | 159,386 | 4   | 151,285 | 4   | 140,589 | 4   | 125,575 | 4   | 110,513 | 4   | 95,428  |
| 1/4 |       | 1/4 | 183,446 | 1/4 | 175,411 | 1/4 | 167,318 | 1/4 | 159,217 | 1/4 | 151,116 | 1/4 | 140,277 | 1/4 | 125,262 | 1/4 | 110,198 | 1/4 | 95,113  |
| 1/2 |       | 1/2 | 183,281 | 1/2 | 175,243 | 1/2 | 167,149 | 1/2 | 159,048 | 1/2 | 150,947 | 1/2 | 139,964 | 1/2 | 124,948 | 1/2 | 109,884 | 1/2 | 94,799  |
| 3/4 |       | 3/4 | 183,115 | 3/4 | 175,075 | 3/4 | 166,981 | 3/4 | 158,880 | 3/4 | 150,779 | 3/4 | 139,651 | 3/4 | 124,635 | 3/4 | 109,570 | 3/4 | 94,485  |
| 5   |       | 5   | 182,948 | 5   | 174,907 | 5   | 166,812 | 5   | 158,711 | 5   | 150,610 | 5   | 139,338 | 5   | 124,321 | 5   | 109,256 | 5   | 94,170  |
| 1/4 |       | 1/4 | 182,782 | 1/4 | 174,739 | 1/4 | 166,643 | 1/4 | 158,542 | 1/4 | 150,441 | 1/4 | 139,025 | 1/4 | 124,008 | 1/4 | 108,941 | 1/4 | 93,856  |
| 1/2 |       | 1/2 | 182,616 | 1/2 | 174,571 | 1/2 | 166,474 | 1/2 | 158,373 | 1/2 | 150,272 | 1/2 | 138,712 | 1/2 | 123,695 | 1/2 | 108,627 | 1/2 | 93,542  |
| 3/4 |       | 3/4 | 182,450 | 3/4 | 174,402 | 3/4 | 166,306 | 3/4 | 158,205 | 3/4 | 150,103 | 3/4 | 138,400 | 3/4 | 123,381 | 3/4 | 108,313 | 3/4 | 93,228  |
| 6   |       | 6   | 182,283 | 6   | 174,234 | 6   | 166,137 | 6   | 158,036 | 6   | 149,935 | 6   | 138,088 | 6   | 123,068 | 6   | 107,999 | 6   | 92,913  |
| 1/4 |       | 1/4 | 182,117 | 1/4 | 174,066 | 1/4 | 165,968 | 1/4 | 157,867 | 1/4 | 149,766 | 1/4 | 137,775 | 1/4 | 122,755 | 1/4 | 107,684 | 1/4 | 92,599  |
| 1/2 |       | 1/2 | 181,950 | 1/2 | 173,898 | 1/2 | 165,799 | 1/2 | 157,698 | 1/2 | 149,597 | 1/2 | 137,463 | 1/2 | 122,441 | 1/2 | 107,370 | 1/2 | 92,285  |
| 3/4 |       | 3/4 | 181,784 | 3/4 | 173,730 | 3/4 | 165,630 | 3/4 | 157,529 | 3/4 | 149,428 | 3/4 | 137,151 | 3/4 | 122,128 | 3/4 | 107,056 | 3/4 | 91,970  |
| 7   |       | 7   | 181,617 | 7   | 173,562 | 7   | 165,462 | 7   | 157,361 | 7   | 149,260 | 7   | 136,839 | 7   | 121,815 | 7   | 106,742 | 7   | 91,656  |
| 1/4 |       | 1/4 | 181,451 | 1/4 | 173,393 | 1/4 | 165,293 | 1/4 | 157,192 | 1/4 | 149,091 | 1/4 | 136,526 | 1/4 | 121,501 | 1/4 | 106,427 | 1/4 | 91,342  |
| 1/2 |       | 1/2 | 181,284 | 1/2 | 173,225 | 1/2 | 165,124 | 1/2 | 157,023 | 1/2 | 148,922 | 1/2 | 136,214 | 1/2 | 121,188 | 1/2 | 106,113 | 1/2 | 91,028  |
| 3/4 |       | 3/4 | 181,117 | 3/4 | 173,056 | 3/4 | 164,955 | 3/4 | 156,854 | 3/4 | 148,753 | 3/4 | 135,902 | 3/4 | 120,874 | 3/4 | 105,799 | 3/4 | 90,713  |
| 8   |       | 8   | 180,951 | 8   | 172,888 | 8   | 164,787 | 8   | 156,686 | 8   | 148,585 | 8   | 135,590 | 8   | 120,560 | 8   | 105,484 | 8   | 90,399  |
| 1/4 |       | 1/4 | 180,784 | 1/4 | 172,719 | 1/4 | 164,618 | 1/4 | 156,517 | 1/4 | 148,416 | 1/4 | 135,277 | 1/4 | 120,247 | 1/4 | 105,170 | 1/4 | 90,085  |
| 1/2 |       | 1/2 | 180,618 | 1/2 | 172,550 | 1/2 | 164,449 | 1/2 | 156,348 | 1/2 | 148,247 | 1/2 | 134,965 | 1/2 | 119,933 | 1/2 | 104,856 | 1/2 | 89,771  |
| 3/4 |       | 3/4 | 180,451 | 3/4 | 172,381 | 3/4 | 164,280 | 3/4 | 156,179 | 3/4 | 148,078 | 3/4 | 134,653 | 3/4 | 119,619 | 3/4 | 104,542 | 3/4 | 89,456  |
| 9   |       | 9   | 180,285 | 9   | 172,213 | 9   | 164,112 | 9   | 156,010 | 9   | 147,909 | 9   | 134,341 | 9   | 119,306 | 9   | 104,227 | 9   | 89,142  |
| 1/4 |       | 1/4 | 180,118 | 1/4 | 172,044 | 1/4 | 163,943 | 1/4 | 155,842 | 1/4 | 147,741 | 1/4 | 134,028 | 1/4 | 118,992 | 1/4 | 103,913 | 1/4 | 88,828  |
| 1/2 |       | 1/2 | 179,952 | 1/2 | 171,875 | 1/2 | 163,774 | 1/2 | 155,673 | 1/2 | 147,572 | 1/2 | 133,716 | 1/2 | 118,678 | 1/2 | 103,599 | 1/2 | 88,513  |
| 3/4 |       | 3/4 | 179,784 | 3/4 | 171,706 | 3/4 | 163,605 | 3/4 | 155,504 | 3/4 | 147,403 | 3/4 | 133,404 | 3/4 | 118,365 | 3/4 | 103,285 | 3/4 | 88,199  |
| 10  |       | 10  | 179,615 | 10  | 171,538 | 10  | 163,436 | 10  | 155,335 | 10  | 147,234 | 10  | 133,092 | 10  | 118,051 | 10  | 102,970 | 10  | 87,885  |
| 1/4 |       | 1/4 | 179,447 | 1/4 | 171,369 | 1/4 | 163,268 | 1/4 | 155,167 | 1/4 | 147,066 | 1/4 | 132,779 | 1/4 | 117,737 | 1/4 | 102,656 | 1/4 | 87,571  |
| 1/2 |       | 1/2 | 179,279 | 1/2 | 171,200 | 1/2 | 163,099 | 1/2 | 154,998 | 1/2 | 146,897 | 1/2 | 132,467 | 1/2 | 117,424 | 1/2 | 102,342 | 1/2 | 87,256  |
| 3/4 |       | 3/4 | 179,111 | 3/4 | 171,031 | 3/4 | 162,930 | 3/4 | 154,829 | 3/4 | 146,728 | 3/4 | 132,155 | 3/4 | 117,110 | 3/4 | 102,027 | 3/4 | 86,942  |
| 11  |       | 11  | 178,943 | 11  | 170,862 | 11  | 162,761 | 11  | 154,660 | 11  | 146,559 | 11  | 131,843 | 11  | 116,796 | 11  | 101,713 | 11  | 86,628  |
| 1/4 |       | 1/4 | 178,775 | 1/4 | 170,694 | 1/4 | 162,593 | 1/4 | 154,492 | 1/4 | 146,390 | 1/4 | 131,530 | 1/4 | 116,483 | 1/4 | 101,399 | 1/4 | 86,313  |
| 1/2 |       | 1/2 | 178,606 | 1/2 | 170,525 | 1/2 | 162,424 | 1/2 | 154,323 | 1/2 | 146,222 | 1/2 | 131,218 | 1/2 | 116,169 | 1/2 | 101,085 | 1/2 | 85,999  |
| 3/4 |       | 3/4 | 178,438 | 3/4 | 170,356 | 3/4 | 162,255 | 3/4 | 154,154 | 3/4 | 145,909 | 3/4 | 130,904 | 3/4 | 115,855 | 3/4 | 100,770 | 3/4 | 85,685  |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP LIP OF 2" "HERMETIC" VALVE

GAUGE POINT: (HERMETIC) LOCATED 10'-09" OFF CENTERLINE AND 55'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



# BARGE "CBC 385"

**3 STBD**  
**ULLAGE TABLE**

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-08 1/2"

| IN  | 10 FT. | IN  | 11 FT. | IN  | 12 FT. | IN  | 13 FT. | IN  | 14 FT. | IN  | 15 FT. | IN  | 16 FT. | IN  | 17 FT. | IN  | 18 FT. | IN  | 19 FT. |
|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|
| 0   | 85,371 | 0   | 70,282 | 0   | 55,250 | 0   | 40,589 | 0   | 25,789 | 0   | 10,696 | 0   |        | 0   |        | 0   |        | 0   |        |
| 1/4 | 85,056 | 1/4 | 69,967 | 1/4 | 54,938 | 1/4 | 40,288 | 1/4 | 25,475 | 1/4 | 10,382 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 84,742 | 1/2 | 69,653 | 1/2 | 54,626 | 1/2 | 39,988 | 1/2 | 25,160 | 1/2 | 10,067 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 84,428 | 3/4 | 69,339 | 3/4 | 54,315 | 3/4 | 39,688 | 3/4 | 24,846 | 3/4 | 9,753  | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 1   | 84,113 | 1   | 69,024 | 1   | 54,003 | 1   | 39,388 | 1   | 24,532 | 1   | 9,438  | 1   |        | 1   |        | 1   |        | 1   |        |
| 1/4 | 83,799 | 1/4 | 68,710 | 1/4 | 53,691 | 1/4 | 39,087 | 1/4 | 24,217 | 1/4 | 9,124  | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 83,485 | 1/2 | 68,396 | 1/2 | 53,379 | 1/2 | 38,787 | 1/2 | 23,903 | 1/2 | 8,809  | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 83,170 | 3/4 | 68,081 | 3/4 | 53,067 | 3/4 | 38,487 | 3/4 | 23,588 | 3/4 | 8,495  | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 2   | 82,856 | 2   | 67,767 | 2   | 52,756 | 2   | 38,186 | 2   | 23,274 | 2   | 8,181  | 2   |        | 2   |        | 2   |        | 2   |        |
| 1/4 | 82,542 | 1/4 | 67,453 | 1/4 | 52,444 | 1/4 | 37,886 | 1/4 | 22,959 | 1/4 | 7,866  | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 82,227 | 1/2 | 67,138 | 1/2 | 52,132 | 1/2 | 37,586 | 1/2 | 22,645 | 1/2 | 7,552  | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 81,913 | 3/4 | 66,824 | 3/4 | 51,821 | 3/4 | 37,284 | 3/4 | 22,330 | 3/4 | 7,237  | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 3   | 81,599 | 3   | 66,509 | 3   | 51,510 | 3   | 36,983 | 3   | 22,016 | 3   | 6,923  | 3   |        | 3   |        | 3   |        | 3   |        |
| 1/4 | 81,284 | 1/4 | 66,195 | 1/4 | 51,199 | 1/4 | 36,681 | 1/4 | 21,702 | 1/4 | 6,609  | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 80,970 | 1/2 | 65,881 | 1/2 | 50,888 | 1/2 | 36,380 | 1/2 | 21,387 | 1/2 | 6,294  | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 80,655 | 3/4 | 65,566 | 3/4 | 50,577 | 3/4 | 36,079 | 3/4 | 21,073 | 3/4 | 5,980  | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 4   | 80,341 | 4   | 65,252 | 4   | 50,266 | 4   | 35,777 | 4   | 20,758 | 4   | 5,666  | 4   |        | 4   |        | 4   |        | 4   |        |
| 1/4 | 80,027 | 1/4 | 64,938 | 1/4 | 49,955 | 1/4 | 35,476 | 1/4 | 20,444 | 1/4 | 5,351  | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 79,712 | 1/2 | 64,623 | 1/2 | 49,644 | 1/2 | 35,175 | 1/2 | 20,129 | 1/2 | 5,037  | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 79,398 | 3/4 | 64,309 | 3/4 | 49,332 | 3/4 | 34,872 | 3/4 | 19,815 | 3/4 | 4,724  | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 5   | 79,084 | 5   | 63,995 | 5   | 49,020 | 5   | 34,570 | 5   | 19,500 | 5   | 4,411  | 5   |        | 5   |        | 5   |        | 5   |        |
| 1/4 | 78,769 | 1/4 | 63,680 | 1/4 | 48,708 | 1/4 | 34,267 | 1/4 | 19,186 | 1/4 | 4,098  | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 78,455 | 1/2 | 63,366 | 1/2 | 48,395 | 1/2 | 33,965 | 1/2 | 18,872 | 1/2 | 3,785  | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 78,141 | 3/4 | 63,052 | 3/4 | 48,095 | 3/4 | 33,650 | 3/4 | 18,557 | 3/4 | 3,498  | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 6   | 77,826 | 6   | 62,737 | 6   | 47,795 | 6   | 33,336 | 6   | 18,243 | 6   | 3,210  | 6   |        | 6   |        | 6   |        | 6   |        |
| 1/4 | 77,512 | 1/4 | 62,423 | 1/4 | 47,495 | 1/4 | 33,021 | 1/4 | 17,928 | 1/4 | 2,922  | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 77,198 | 1/2 | 62,109 | 1/2 | 47,194 | 1/2 | 32,707 | 1/2 | 17,614 | 1/2 | 2,635  | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 76,883 | 3/4 | 61,797 | 3/4 | 46,894 | 3/4 | 32,393 | 3/4 | 17,299 | 3/4 | 2,399  | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 7   | 76,569 | 7   | 61,485 | 7   | 46,594 | 7   | 32,078 | 7   | 16,985 | 7   | 2,163  | 7   |        | 7   |        | 7   |        | 7   |        |
| 1/4 | 76,254 | 1/4 | 61,173 | 1/4 | 46,294 | 1/4 | 31,764 | 1/4 | 16,670 | 1/4 | 1,927  | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 75,940 | 1/2 | 60,861 | 1/2 | 45,993 | 1/2 | 31,449 | 1/2 | 16,356 | 1/2 | 1,692  | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 75,626 | 3/4 | 60,550 | 3/4 | 45,693 | 3/4 | 31,135 | 3/4 | 16,042 | 3/4 | 1,508  | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 8   | 75,311 | 8   | 60,238 | 8   | 45,393 | 8   | 30,820 | 8   | 15,727 | 8   | 1,324  | 8   |        | 8   |        | 8   |        | 8   |        |
| 1/4 | 74,997 | 1/4 | 59,926 | 1/4 | 45,093 | 1/4 | 30,506 | 1/4 | 15,413 | 1/4 | 1,141  | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 74,683 | 1/2 | 59,614 | 1/2 | 44,792 | 1/2 | 30,191 | 1/2 | 15,098 | 1/2 | 957    | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 74,368 | 3/4 | 59,303 | 3/4 | 44,492 | 3/4 | 29,877 | 3/4 | 14,784 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 9   | 74,054 | 9   | 58,991 | 9   | 44,192 | 9   | 29,563 | 9   | 14,469 | 9   |        | 9   |        | 9   |        | 9   |        | 9   |        |
| 1/4 | 73,740 | 1/4 | 58,679 | 1/4 | 43,891 | 1/4 | 29,248 | 1/4 | 14,155 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 73,425 | 1/2 | 58,367 | 1/2 | 43,591 | 1/2 | 28,934 | 1/2 | 13,841 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 73,111 | 3/4 | 58,056 | 3/4 | 43,291 | 3/4 | 28,619 | 3/4 | 13,526 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 10  | 72,797 | 10  | 57,744 | 10  | 42,991 | 10  | 28,305 | 10  | 13,212 | 10  |        | 10  |        | 10  |        | 10  |        | 10  |        |
| 1/4 | 72,482 | 1/4 | 57,432 | 1/4 | 42,690 | 1/4 | 27,990 | 1/4 | 12,897 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 72,168 | 1/2 | 57,120 | 1/2 | 42,390 | 1/2 | 27,676 | 1/2 | 12,583 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 71,854 | 3/4 | 56,809 | 3/4 | 42,090 | 3/4 | 27,361 | 3/4 | 12,268 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |
| 11  | 71,539 | 11  | 56,497 | 11  | 41,790 | 11  | 27,047 | 11  | 11,954 | 11  |        | 11  |        | 11  |        | 11  |        | 11  |        |
| 1/4 | 71,225 | 1/4 | 56,185 | 1/4 | 41,489 | 1/4 | 26,733 | 1/4 | 11,639 | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        | 1/4 |        |
| 1/2 | 70,910 | 1/2 | 55,873 | 1/2 | 41,189 | 1/2 | 26,418 | 1/2 | 11,325 | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        | 1/2 |        |
| 3/4 | 70,596 | 3/4 | 55,562 | 3/4 | 40,889 | 3/4 | 26,104 | 3/4 | 11,011 | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        | 3/4 |        |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/25/2013 CL  
CALCULATED: 06/25/2013 CL  
PRINTED: 06/26/2013 SW

CANCELS AND SUPERCEDES  
ALL PRIOR TO 06/2013

PRECISION MEASUREMENT  
& ANALYSIS, INC.  
P.O. Box 2092  
Pearland, Texas 77588  
<http://www.pmacorp.net>