

# MANITOWOC ENGINEERING CO.

Division of The Manitowoc Company, Inc. Manitowoc, Wisconsin 54220



## LIFTCRANE JIB CAPACITIES

JIB NO. 123 WITH 12'6" STRUT ON  
BOOM NO. 39 WITH OPEN THROAT TOP  
102,400 LB. COUNTERWEIGHT  
24' CRAWLERS EXTENDED

MEETS  
ANSI B30.5  
REQUIREMENTS

3950W

CHART SUPPLEMENTS BOOM CAPACITY CHART NO. 7308-A. CAPACITIES FOR VARIOUS BOOM LENGTHS, JIB LENGTHS AND JIB OPERATING RADII ARE FOR FREELY SUSPENDED LOADS AND DO NOT EXCEED 75% OF A STATIC TIPPING LOAD. CAPACITIES BASED ON STRUCTURAL COMPETENCE ARE DENOTED BY AN ASTERISK (\*).

WEIGHT OF ALL LOAD BLOCKS, HOOKS, WEIGHT BALL, SLINGS, HOIST LINES, ETC., BENEATH BOOM AND JIB POINT SHEAVES, IS CONSIDERED PART OF THE JIB LOAD. BOOM AND JIB ARE NOT TO BE LOWERED BEYOND RADII WHERE COMBINED WEIGHTS ARE GREATER THAN RATED CAPACITY. WHERE NO CAPACITY IS SHOWN, OPERATION IS NOT INTENDED OR APPROVED.

MACHINE TO OPERATE IN A LEVEL POSITION ON A FIRM UNIFORMLY SUPPORTING SURFACE WITH CRAWLERS FULLY EXTENDED AND GANTRY UP. REFER TO BOOM RIGGING NO. 160926, JIB ASSEMBLY NO. 43730 AND WIRE ROPE SPECIFICATION CHART NO. 6668-A. CRANE OPERATOR JUDGMENT MUST BE USED TO ALLOW FOR DYNAMIC LOAD EFFECTS OF SWINGING, HOISTING OR LOWERING, TRAVEL, WIND CONDITIONS, AS WELL AS ADVERSE OPERATING CONDITIONS AND PHYSICAL MACHINE DEPRECIATION.

OPERATING RADIUS IS THE HORIZONTAL DISTANCE FROM THE AXIS OF ROTATION TO THE CENTER OF VERTICAL HOIST LINE OR LOAD BLOCK. BOOM ANGLE IS THE ANGLE BETWEEN HORIZONTAL AND CENTERLINE OF BOOM BUTT AND INSERTS, AND IS AN INDICATION OF OPERATING RADIUS. IN ALL CASES, OPERATING RADIUS SHALL GOVERN CAPACITY. JIB POINT ELEVATION IS VERTICAL DISTANCE FROM GROUND LEVEL TO CENTERLINE OF JIB POINT SHAFT.

MACHINE EQUIPPED WITH 24' EXTENDIBLE CRAWLERS, 48" TREADS, 16'6" RETRACTABLE GANTRY, 12 PART BOOM HOIST REEVING, FOUR 1-1/4" BOOM PENDANTS, 1ST COUNTERWEIGHT = 43,000 LBS., 2ND COUNTERWEIGHT = 30,000 LBS., 3RD COUNTERWEIGHT = 29,400 LBS.

MAXIMUM CAPACITY ON 1" - 6 X 25 IPS, IWRC IS 22,500 LBS. PER LINE.

| MAXIMUM BOOM AND JIB LENGTHS LIFTED UNASSISTED       |             |                                   |             |
|------------------------------------------------------|-------------|-----------------------------------|-------------|
| OVER END OF<br>BLOCKED CRAWLERS                      |             | OVER SIDE OF<br>EXTENDED CRAWLERS |             |
| BM. LGTH.                                            | JIB NO. 123 | BM. LGTH.                         | JIB NO. 123 |
| 260'                                                 | ---         | 240'                              | ---         |
| 250'                                                 | ---         | 230'                              | ---         |
| 240'                                                 | 30'         | 220'                              | 40'         |
| 230'                                                 | 50'         | 210'                              | 60'         |
| 220'                                                 | 60'         |                                   |             |
| LOAD BLOCK, HOOK AND WEIGHT BALL ON GROUND AT START. |             |                                   |             |

### 30 FOOT JIB

| BOOM<br>LGTH.<br>FEET | JIB<br>OPER.<br>RAD.<br>FEET | 0 DEGREE OFFSET      |                               |                    | 10 DEGREE OFFSET     |                               |                    | 20 DEGREE OFFSET     |                               |                    | JIB<br>OPER.<br>RAD.<br>FEET |
|-----------------------|------------------------------|----------------------|-------------------------------|--------------------|----------------------|-------------------------------|--------------------|----------------------|-------------------------------|--------------------|------------------------------|
|                       |                              | BOOM<br>ANG.<br>DEG. | JIB<br>POINT<br>ELEV.<br>FEET | CAPACITY<br>POUNDS | BOOM<br>ANG.<br>DEG. | JIB<br>POINT<br>ELEV.<br>FEET | CAPACITY<br>POUNDS | BOOM<br>ANG.<br>DEG. | JIB<br>POINT<br>ELEV.<br>FEET | CAPACITY<br>POUNDS |                              |
| 90                    | 30                           | 78.1                 | 126.7                         | 40,000*            | 80.5                 | 126.2                         | 40,000*            |                      |                               |                    | 30                           |
|                       | 35                           | 75.7                 | 125.5                         | 40,000*            | 78.1                 | 125.0                         | 40,000*            | 80.4                 | 123.8                         | 40,000*            | 35                           |
|                       | 40                           | 73.3                 | 124.1                         | 40,000*            | 75.7                 | 123.6                         | 40,000*            | 77.9                 | 122.4                         | 40,000*            | 40                           |
|                       | 45                           | 70.8                 | 122.4                         | 40,000*            | 73.2                 | 122.0                         | 40,000*            | 75.4                 | 120.7                         | 40,000*            | 45                           |
|                       | 50                           | 68.3                 | 120.5                         | 40,000*            | 70.7                 | 120.0                         | 40,000*            | 72.9                 | 118.8                         | 40,000*            | 50                           |
|                       | 55                           | 65.8                 | 118.4                         | 40,000*            | 68.1                 | 117.9                         | 40,000*            | 70.3                 | 116.6                         | 40,000*            | 55                           |
|                       | 60                           | 63.2                 | 115.9                         | 40,000*            | 65.5                 | 115.4                         | 40,000*            | 67.7                 | 114.1                         | 40,000*            | 60                           |
|                       | 65                           | 60.5                 | 113.2                         | 40,000*            | 62.8                 | 112.7                         | 40,000*            | 65.0                 | 111.4                         | 39,500*            | 65                           |
|                       | 70                           | 57.8                 | 110.2                         | 40,000*            | 60.1                 | 109.7                         | 40,000*            | 62.2                 | 108.3                         | 37,800*            | 70                           |
|                       | 80                           | 52.0                 | 103.1                         | 37,800             | 54.3                 | 102.5                         | 38,200             | 56.3                 | 101.0                         | 34,900*            | 80                           |
| 100                   | 90                           | 45.8                 | 94.2                          | 32,300             | 48.0                 | 93.6                          | 32,500             |                      |                               |                    | 90                           |
|                       | 100                          | 38.8                 | 83.1                          | 27,900             |                      |                               |                    |                      |                               |                    | 100                          |
|                       | 30                           | 79.0                 | 136.9                         | 40,000*            |                      |                               |                    |                      |                               |                    | 30                           |
|                       | 35                           | 76.8                 | 135.8                         | 40,000*            | 79.0                 | 135.3                         | 40,000*            |                      |                               |                    | 35                           |
|                       | 40                           | 74.6                 | 134.5                         | 40,000*            | 76.8                 | 134.0                         | 40,000*            | 78.9                 | 132.8                         | 40,000*            | 40                           |
|                       | 45                           | 72.3                 | 133.0                         | 40,000*            | 74.5                 | 132.5                         | 40,000*            | 76.6                 | 131.3                         | 40,000*            | 45                           |
|                       | 50                           | 70.0                 | 131.3                         | 40,000*            | 72.2                 | 130.8                         | 40,000*            | 74.3                 | 129.5                         | 40,000*            | 50                           |
|                       | 55                           | 67.7                 | 129.3                         | 40,000*            | 69.9                 | 128.8                         | 40,000*            | 71.9                 | 127.5                         | 40,000*            | 55                           |
|                       | 60                           | 65.4                 | 127.1                         | 40,000*            | 67.5                 | 126.6                         | 40,000*            | 69.5                 | 125.3                         | 40,000*            | 60                           |
|                       | 65                           | 62.9                 | 124.6                         | 40,000*            | 65.1                 | 124.1                         | 40,000*            | 67.1                 | 122.8                         | 40,000*            | 65                           |
| 110                   | 70                           | 60.5                 | 121.9                         | 40,000*            | 62.6                 | 121.4                         | 40,000*            | 64.6                 | 120.0                         | 39,200*            | 70                           |
|                       | 80                           | 55.4                 | 115.5                         | 37,300             | 57.5                 | 115.0                         | 37,700             | 59.4                 | 113.5                         | 36,300*            | 80                           |
|                       | 90                           | 49.9                 | 107.8                         | 31,700             | 52.0                 | 107.2                         | 32,000             | 53.8                 | 105.6                         | 32,300             | 90                           |
|                       | 100                          | 43.9                 | 98.3                          | 27,400             | 46.0                 | 97.7                          | 27,600             |                      |                               |                    | 100                          |
|                       | 110                          | 37.2                 | 86.5                          | 23,900             |                      |                               |                    |                      |                               |                    | 110                          |

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|-----------------------|------------------------------|----------------------|-------------------------------|--------------------|----------------------|-------------------------------|--------------------|----------------------|-------------------------------|--------------------|------------------------------|
|                       |                              | BOOM<br>ANG.<br>DEG. | JIB<br>POINT<br>ELEV.<br>FEET | CAPACITY<br>POUNDS | BOOM<br>ANG.<br>DEG. | JIB<br>POINT<br>ELEV.<br>FEET | CAPACITY<br>POUNDS | BOOM<br>ANG.<br>DEG. | JIB<br>POINT<br>ELEV.<br>FEET | CAPACITY<br>POUNDS |                              |
| 110                   | 30                           | 79.8                 | 147.1                         | 40,000*            | 79.8                 | 145.6                         | 40,000*            |                      |                               |                    | 30                           |
|                       | 35                           | 77.8                 | 146.1                         | 40,000*            |                      |                               |                    |                      |                               |                    | 35                           |
|                       | 40                           | 75.7                 | 144.9                         | 40,000*            | 77.7                 | 144.4                         | 40,000*            | 79.7                 | 143.1                         | 40,000*            | 40                           |
|                       | 45                           | 73.6                 | 143.5                         | 40,000*            | 75.6                 | 143.0                         | 40,000*            | 77.6                 | 141.7                         | 40,000*            | 45                           |
|                       | 50                           | 71.5                 | 141.9                         | 40,000*            | 73.5                 | 141.4                         | 40,000*            | 75.5                 | 140.1                         | 40,000*            | 50                           |
|                       | 55                           | 69.4                 | 140.1                         | 40,000*            | 71.4                 | 139.6                         | 40,000*            | 73.3                 | 138.3                         | 40,000*            | 55                           |
|                       | 60                           | 67.2                 | 138.0                         | 40,000*            | 69.2                 | 137.5                         | 40,000*            | 71.1                 | 136.2                         | 40,000*            | 60                           |
|                       | 65                           | 65.0                 | 135.8                         | 40,000*            | 67.0                 | 135.3                         | 40,000*            | 68.8                 | 133.9                         | 40,000*            | 65                           |
|                       | 70                           | 62.7                 | 133.3                         | 40,000*            | 64.7                 | 132.8                         | 40,000*            | 66.6                 | 131.4                         | 40,000*            | 70                           |
|                       | 80                           | 58.1                 | 127.5                         | 36,700             | 60.1                 | 127.0                         | 37,200             | 61.9                 | 125.5                         | 37,600*            | 80                           |
|                       | 90                           | 53.2                 | 120.6                         | 31,200             | 55.1                 | 120.0                         | 31,600             | 56.9                 | 118.5                         | 31,900             | 90                           |
|                       | 100                          | 48.0                 | 112.3                         | 26,900             | 49.9                 | 111.7                         | 27,200             |                      |                               |                    | 100                          |
| 120                   | 110                          | 42.3                 | 102.2                         | 23,400             | 44.1                 | 101.5                         | 23,600             |                      |                               |                    | 110                          |
|                       | 120                          | 35.8                 | 89.8                          | 20,500             |                      |                               |                    |                      |                               |                    | 120                          |
| 130                   | 30                           | 80.5                 | 157.3                         | 40,000*            | 80.5                 | 155.8                         | 40,000*            |                      |                               |                    | 30                           |
|                       | 35                           | 78.6                 | 156.3                         | 40,000*            |                      |                               |                    |                      |                               |                    | 35                           |
|                       | 40                           | 76.7                 | 155.2                         | 40,000*            | 78.6                 | 154.7                         | 40,000*            | 80.4                 | 153.4                         | 40,000*            | 40                           |
|                       | 45                           | 74.7                 | 153.9                         | 40,000*            | 76.6                 | 153.4                         | 40,000*            | 78.4                 | 152.1                         | 40,000*            | 45                           |
|                       | 50                           | 72.8                 | 152.4                         | 40,000*            | 74.6                 | 151.9                         | 40,000*            | 76.5                 | 150.6                         | 40,000*            | 50                           |
|                       | 55                           | 70.8                 | 150.7                         | 40,000*            | 72.7                 | 150.2                         | 40,000*            | 74.4                 | 148.9                         | 40,000*            | 55                           |
|                       | 60                           | 68.8                 | 148.8                         | 40,000*            | 70.6                 | 148.3                         | 40,000*            | 72.4                 | 147.0                         | 40,000*            | 60                           |
|                       | 65                           | 66.7                 | 146.8                         | 40,000*            | 68.6                 | 146.2                         | 40,000*            | 70.4                 | 144.9                         | 40,000*            | 65                           |
|                       | 70                           | 64.7                 | 144.5                         | 40,000*            | 66.5                 | 143.9                         | 40,000*            | 68.3                 | 142.6                         | 40,000*            | 70                           |
|                       | 80                           | 60.4                 | 139.2                         | 36,300             | 62.3                 | 138.7                         | 36,800             | 64.0                 | 137.2                         | 37,300             | 80                           |
|                       | 90                           | 56.0                 | 132.9                         | 30,800             | 57.8                 | 132.4                         | 31,200             | 59.4                 | 130.9                         | 31,600             | 90                           |
|                       | 100                          | 51.3                 | 125.5                         | 26,400             | 53.1                 | 124.9                         | 26,800             | 54.7                 | 123.3                         | 27,100             | 100                          |
| 140                   | 110                          | 46.3                 | 116.6                         | 23,000             | 48.0                 | 116.0                         | 23,200             |                      |                               |                    | 110                          |
|                       | 120                          | 40.8                 | 106.0                         | 20,100             | 42.5                 | 105.3                         | 20,300             |                      |                               |                    | 120                          |
|                       | 130                          | 34.6                 | 92.9                          | 17,700             |                      |                               |                    |                      |                               |                    | 130                          |
| 150                   | 35                           | 79.3                 | 166.5                         | 40,000*            | 79.3                 | 165.0                         | 40,000*            |                      |                               |                    | 35                           |
|                       | 40                           | 77.5                 | 165.5                         | 40,000*            |                      |                               |                    |                      |                               |                    | 40                           |
|                       | 45                           | 75.7                 | 164.2                         | 40,000*            | 77.5                 | 163.7                         | 40,000*            | 79.2                 | 162.4                         | 40,000*            | 45                           |
|                       | 50                           | 73.9                 | 162.8                         | 40,000*            | 75.6                 | 162.3                         | 40,000*            | 77.3                 | 161.0                         | 40,000*            | 50                           |
|                       | 55                           | 72.0                 | 161.3                         | 40,000*            | 73.8                 | 160.8                         | 40,000*            | 75.5                 | 159.5                         | 40,000*            | 55                           |
|                       | 60                           | 70.1                 | 159.5                         | 40,000*            | 71.9                 | 159.0                         | 40,000*            | 73.6                 | 157.7                         | 40,000*            | 60                           |
|                       | 65                           | 68.2                 | 157.6                         | 40,000*            | 70.0                 | 157.1                         | 40,000*            | 71.7                 | 155.7                         | 40,000*            | 65                           |
|                       | 70                           | 66.3                 | 155.5                         | 40,000*            | 68.1                 | 155.0                         | 40,000*            | 69.7                 | 153.6                         | 40,000*            | 70                           |
|                       | 80                           | 62.4                 | 150.6                         | 36,000             | 64.1                 | 150.1                         | 36,500             | 65.7                 | 148.7                         | 37,000             | 80                           |
|                       | 90                           | 58.3                 | 144.9                         | 30,400             | 60.1                 | 144.3                         | 30,900             | 61.6                 | 142.8                         | 31,300             | 90                           |
|                       | 100                          | 54.1                 | 138.1                         | 26,100             | 55.8                 | 137.5                         | 26,500             | 57.3                 | 136.0                         | 26,800             | 100                          |
|                       | 110                          | 49.6                 | 130.2                         | 22,600             | 51.3                 | 129.5                         | 22,900             | 52.7                 | 127.9                         | 23,200             | 110                          |
| 160                   | 120                          | 44.7                 | 120.8                         | 19,800             | 46.4                 | 120.1                         | 20,000             |                      |                               |                    | 120                          |
|                       | 130                          | 39.5                 | 109.6                         | 17,400             |                      |                               |                    |                      |                               |                    | 130                          |
|                       | 140                          | 33.5                 | 95.9                          | 15,300             |                      |                               |                    |                      |                               |                    | 140                          |
|                       | 35                           | 79.9                 | 176.7                         | 40,000*            | 79.9                 | 175.2                         | 40,000*            |                      |                               |                    | 35                           |
|                       | 40                           | 78.2                 | 175.7                         | 40,000*            |                      |                               |                    |                      |                               |                    | 40                           |
|                       | 45                           | 76.5                 | 174.6                         | 40,000*            | 78.2                 | 174.0                         | 40,000*            | 79.8                 | 172.7                         | 40,000*            | 45                           |
|                       | 50                           | 74.8                 | 173.2                         | 40,000*            | 76.5                 | 172.7                         | 40,000*            | 78.1                 | 171.4                         | 40,000*            | 50                           |
|                       | 55                           | 73.1                 | 171.8                         | 40,000*            | 74.7                 | 171.3                         | 40,000*            | 76.3                 | 169.9                         | 40,000*            | 55                           |
|                       | 60                           | 71.3                 | 170.2                         | 40,000*            | 73.0                 | 169.6                         | 40,000*            | 74.6                 | 168.3                         | 40,000*            | 60                           |
|                       | 65                           | 69.6                 | 168.3                         | 40,000*            | 71.2                 | 167.8                         | 40,000*            | 72.8                 | 166.5                         | 40,000*            | 65                           |
|                       | 70                           | 67.8                 | 166.4                         | 40,000*            | 69.4                 | 165.8                         | 40,000*            | 71.0                 | 164.5                         | 40,000*            | 70                           |
|                       | 80                           | 64.1                 | 161.8                         | 35,600             | 65.8                 | 161.3                         | 36,100             | 67.3                 | 159.9                         | 36,700             | 80                           |
| 170                   | 90                           | 60.4                 | 156.5                         | 30,000             | 62.0                 | 156.0                         | 30,500             | 63.5                 | 154.5                         | 30,900             | 90                           |
|                       | 100                          | 56.5                 | 150.3                         | 25,700             | 58.1                 | 149.7                         | 26,100             | 59.5                 | 148.2                         | 26,400             | 100                          |
|                       | 110                          | 52.4                 | 143.1                         | 22,200             | 53.9                 | 142.5                         | 22,500             | 55.3                 | 140.8                         | 22,800             | 110                          |
|                       | 120                          | 48.0                 | 134.7                         | 19,300             | 49.6                 | 134.0                         | 19,600             |                      |                               |                    | 120                          |
|                       | 130                          | 43.4                 | 124.8                         | 16,900             | 44.9                 | 124.1                         | 17,200             |                      |                               |                    | 130                          |
|                       | 140                          | 38.2                 | 113.1                         | 14,900             |                      |                               |                    |                      |                               |                    | 140                          |
|                       | 150                          | 32.5                 | 98.9                          | 13,200             |                      |                               |                    |                      |                               |                    | 150                          |

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### 30 FOOT JIB

| BOOM<br>LGTH.<br>FEET | JIB<br>OPER.<br>RAD.<br>FEET | 0 DEGREE OFFSET      |                               |                    | 10 DEGREE OFFSET     |                               |                    | 20 DEGREE OFFSET     |                               |                    | JIB<br>OPER.<br>RAD.<br>FEET |
|-----------------------|------------------------------|----------------------|-------------------------------|--------------------|----------------------|-------------------------------|--------------------|----------------------|-------------------------------|--------------------|------------------------------|
|                       |                              | BOOM<br>ANG.<br>DEG. | JIB<br>POINT<br>ELEV.<br>FEET | CAPACITY<br>POUNDS | BOOM<br>ANG.<br>DEG. | JIB<br>POINT<br>ELEV.<br>FEET | CAPACITY<br>POUNDS | BOOM<br>ANG.<br>DEG. | JIB<br>POINT<br>ELEV.<br>FEET | CAPACITY<br>POUNDS |                              |
| 150                   | 35                           | 80.5                 | 186.8                         | 40,000*            |                      |                               |                    |                      |                               |                    | 35                           |
|                       | 40                           | 78.9                 | 185.9                         | 40,000*            | 80.5                 | 185.4                         | 40,000*            |                      |                               |                    | 40                           |
|                       | 45                           | 77.3                 | 184.8                         | 40,000*            | 78.9                 | 184.3                         | 40,000*            | 80.4                 | 183.0                         | 40,000*            | 45                           |
|                       | 50                           | 75.7                 | 183.6                         | 40,000*            | 77.2                 | 183.1                         | 40,000*            | 78.8                 | 181.8                         | 40,000*            | 50                           |
|                       | 55                           | 74.0                 | 182.2                         | 40,000*            | 75.6                 | 181.7                         | 40,000*            | 77.1                 | 180.4                         | 40,000*            | 55                           |
|                       | 60                           | 72.4                 | 180.7                         | 40,000*            | 74.0                 | 180.2                         | 40,000*            | 75.5                 | 178.8                         | 40,000*            | 60                           |
|                       | 65                           | 70.7                 | 179.0                         | 40,000*            | 72.3                 | 178.5                         | 40,000*            | 73.8                 | 177.1                         | 40,000*            | 65                           |
|                       | 70                           | 69.1                 | 177.1                         | 40,000*            | 70.6                 | 176.6                         | 40,000*            | 72.1                 | 175.2                         | 40,000*            | 70                           |
|                       | 80                           | 65.7                 | 172.9                         | 35,100             | 67.2                 | 172.4                         | 35,700             | 68.6                 | 171.0                         | 36,300             | 80                           |
|                       | 90                           | 62.1                 | 168.0                         | 29,500             | 63.7                 | 167.4                         | 30,000             | 65.1                 | 165.9                         | 30,500             | 90                           |
|                       | 100                          | 58.5                 | 162.2                         | 25,200             | 60.0                 | 161.6                         | 25,600             | 61.4                 | 160.1                         | 26,000             | 100                          |
|                       | 110                          | 54.8                 | 155.6                         | 21,700             | 56.3                 | 154.9                         | 22,100             | 57.6                 | 153.4                         | 22,400             | 110                          |
|                       | 120                          | 50.8                 | 147.9                         | 18,800             | 52.3                 | 147.2                         | 19,200             | 53.6                 | 145.6                         | 19,400             | 120                          |
|                       | 130                          | 46.6                 | 139.0                         | 16,500             | 48.1                 | 138.3                         | 16,700             |                      |                               |                    | 130                          |
|                       | 140                          | 42.1                 | 128.7                         | 14,400             | 43.5                 | 127.9                         | 14,700             |                      |                               |                    | 140                          |
|                       | 150                          | 37.1                 | 116.5                         | 12,700             |                      |                               |                    |                      |                               |                    | 150                          |
| 160                   | 35                           | 81.0                 | 197.0                         | 40,000*            |                      |                               |                    |                      |                               |                    | 35                           |
|                       | 40                           | 79.5                 | 196.1                         | 40,000*            | 81.0                 | 195.6                         | 40,000*            |                      |                               |                    | 40                           |
|                       | 45                           | 78.0                 | 195.1                         | 40,000*            | 79.5                 | 194.6                         | 40,000*            | 80.9                 | 193.2                         | 40,000*            | 45                           |
|                       | 50                           | 76.4                 | 193.9                         | 40,000*            | 77.9                 | 193.4                         | 40,000*            | 79.4                 | 192.1                         | 40,000*            | 50                           |
|                       | 55                           | 74.9                 | 192.6                         | 40,000*            | 76.4                 | 192.1                         | 40,000*            | 77.8                 | 190.8                         | 40,000*            | 55                           |
|                       | 60                           | 73.3                 | 191.2                         | 40,000*            | 74.8                 | 190.6                         | 40,000*            | 76.3                 | 189.3                         | 40,000*            | 60                           |
|                       | 65                           | 71.8                 | 189.6                         | 40,000*            | 73.3                 | 189.0                         | 40,000*            | 74.7                 | 187.7                         | 40,000*            | 65                           |
|                       | 70                           | 70.2                 | 187.8                         | 40,000*            | 71.7                 | 187.3                         | 40,000*            | 73.1                 | 185.9                         | 40,000*            | 70                           |
|                       | 80                           | 67.0                 | 183.9                         | 34,700             | 68.5                 | 183.3                         | 35,300             | 69.8                 | 181.9                         | 35,900             | 80                           |
|                       | 90                           | 63.7                 | 179.2                         | 29,100             | 65.2                 | 178.7                         | 29,700             | 66.5                 | 177.2                         | 30,200             | 90                           |
|                       | 100                          | 60.3                 | 173.8                         | 24,800             | 61.8                 | 173.3                         | 25,200             | 63.1                 | 171.8                         | 25,700             | 100                          |
|                       | 110                          | 56.8                 | 167.7                         | 21,300             | 58.3                 | 167.1                         | 21,700             | 59.6                 | 165.5                         | 22,000             | 110                          |
|                       | 120                          | 53.2                 | 160.6                         | 18,400             | 54.6                 | 160.0                         | 18,800             | 55.9                 | 158.4                         | 19,100             | 120                          |
|                       | 130                          | 49.4                 | 152.5                         | 16,000             | 50.8                 | 151.9                         | 16,300             | 52.0                 | 150.1                         | 16,600             | 130                          |
|                       | 140                          | 45.3                 | 143.2                         | 14,000             | 46.7                 | 142.5                         | 14,300             |                      |                               |                    | 140                          |
|                       | 150                          | 40.9                 | 132.5                         | 12,300             | 42.3                 | 131.7                         | 12,500             |                      |                               |                    | 150                          |
|                       | 160                          | 36.1                 | 119.8                         | 10,800             |                      |                               |                    |                      |                               |                    | 160                          |
| 170                   | 40                           | 80.0                 | 206.3                         | 40,000*            |                      |                               |                    |                      |                               |                    | 40                           |
|                       | 45                           | 78.6                 | 205.3                         | 40,000*            | 80.0                 | 204.8                         | 40,000*            |                      |                               |                    | 45                           |
|                       | 50                           | 77.1                 | 204.2                         | 40,000*            | 78.5                 | 203.7                         | 40,000*            | 79.9                 | 202.3                         | 40,000*            | 50                           |
|                       | 55                           | 75.6                 | 203.0                         | 40,000*            | 77.1                 | 202.4                         | 40,000*            | 78.4                 | 201.1                         | 40,000*            | 55                           |
|                       | 60                           | 74.2                 | 201.6                         | 40,000*            | 75.6                 | 201.1                         | 40,000*            | 77.0                 | 199.7                         | 40,000*            | 60                           |
|                       | 65                           | 72.7                 | 200.1                         | 40,000*            | 74.1                 | 199.6                         | 40,000*            | 75.5                 | 198.2                         | 40,000*            | 65                           |
|                       | 70                           | 71.2                 | 198.4                         | 40,000*            | 72.6                 | 197.9                         | 40,000*            | 74.0                 | 196.5                         | 40,000*            | 70                           |
|                       | 80                           | 68.2                 | 194.7                         | 34,400             | 69.6                 | 194.1                         | 35,000             | 70.9                 | 192.7                         | 35,700             | 80                           |
|                       | 90                           | 65.1                 | 190.3                         | 28,800             | 66.5                 | 189.8                         | 29,400             | 67.8                 | 188.3                         | 29,900             | 90                           |
|                       | 100                          | 61.9                 | 185.3                         | 24,500             | 63.3                 | 184.7                         | 25,000             | 64.6                 | 183.2                         | 25,400             | 100                          |
|                       | 110                          | 58.7                 | 179.5                         | 21,000             | 60.0                 | 178.9                         | 21,400             | 61.3                 | 177.4                         | 21,800             | 110                          |
|                       | 120                          | 55.3                 | 173.0                         | 18,100             | 56.6                 | 172.4                         | 18,500             | 57.9                 | 170.8                         | 18,800             | 120                          |
|                       | 130                          | 51.8                 | 165.5                         | 15,700             | 53.1                 | 164.9                         | 16,000             | 54.3                 | 163.2                         | 16,300             | 130                          |
|                       | 140                          | 48.0                 | 157.0                         | 13,700             | 49.4                 | 156.3                         | 14,000             |                      |                               |                    | 140                          |
|                       | 150                          | 44.1                 | 147.3                         | 12,000             | 45.4                 | 146.6                         | 12,200             |                      |                               |                    | 150                          |
|                       | 160                          | 39.8                 | 136.1                         | 10,500             |                      |                               |                    |                      |                               |                    | 160                          |
|                       | 170                          | 35.2                 | 123.0                         | 9,100              |                      |                               |                    |                      |                               |                    | 170                          |
| 180                   | 40                           | 80.5                 | 216.4                         | 40,000*            |                      |                               |                    |                      |                               |                    | 40                           |
|                       | 45                           | 79.1                 | 215.5                         | 40,000*            | 80.5                 | 215.0                         | 40,000*            |                      |                               |                    | 45                           |
|                       | 50                           | 77.7                 | 214.5                         | 40,000*            | 79.1                 | 213.9                         | 40,000*            | 80.4                 | 212.6                         | 40,000*            | 50                           |
|                       | 55                           | 76.3                 | 213.3                         | 40,000*            | 77.7                 | 212.8                         | 40,000*            | 79.0                 | 211.4                         | 40,000*            | 55                           |
|                       | 60                           | 74.9                 | 212.0                         | 40,000*            | 76.3                 | 211.5                         | 40,000*            | 77.6                 | 210.1                         | 40,000*            | 60                           |
|                       | 65                           | 73.5                 | 210.6                         | 40,000*            | 74.9                 | 210.0                         | 40,000*            | 76.2                 | 208.6                         | 40,000*            | 65                           |
|                       | 70                           | 72.1                 | 209.0                         | 40,000*            | 73.5                 | 208.5                         | 40,000*            | 74.8                 | 207.1                         | 40,000*            | 70                           |
|                       | 80                           | 69.3                 | 205.4                         | 34,000             | 70.6                 | 204.9                         | 34,700             | 71.9                 | 203.5                         | 35,400             | 80                           |
|                       | 90                           | 66.4                 | 201.3                         | 28,500             | 67.7                 | 200.8                         | 29,100             | 68.9                 | 199.3                         | 29,600             | 90                           |
|                       | 100                          | 63.4                 | 196.6                         | 24,100             | 64.7                 | 196.0                         | 24,600             | 65.9                 | 194.5                         | 25,100             | 100                          |
|                       | 110                          | 60.3                 | 191.2                         | 20,600             | 61.6                 | 190.6                         | 21,100             | 62.8                 | 189.1                         | 21,500             | 110                          |
|                       | 120                          | 57.1                 | 185.0                         | 17,800             | 58.4                 | 184.4                         | 18,100             | 59.6                 | 182.9                         | 18,500             | 120                          |
|                       | 130                          | 53.9                 | 178.1                         | 15,400             | 55.1                 | 177.5                         | 15,700             | 56.3                 | 175.8                         | 16,000             | 130                          |
|                       | 140                          | 50.4                 | 170.3                         | 13,300             | 51.7                 | 169.6                         | 13,600             | 52.8                 | 167.9                         | 13,900             | 140                          |
|                       | 150                          | 46.8                 | 161.4                         | 11,600             | 48.1                 | 160.7                         | 11,900             |                      |                               |                    | 150                          |
|                       | 160                          | 43.0                 | 151.3                         | 10,100             | 44.2                 | 150.5                         | 10,300             |                      |                               |                    | 160                          |
|                       | 170                          | 38.9                 | 139.7                         | 8,800              |                      |                               |                    |                      |                               |                    | 170                          |
|                       | 180                          | 34.3                 | 126.1                         | 7,600              |                      |                               |                    |                      |                               |                    | 180                          |

# MANITOWOC ENGINEERING CO.

Division of The Manitowoc Company, Inc. Manitowoc, Wisconsin 54220



## LIFT CRANE JIB CAPACITIES

MEETS  
ANSI B30.5  
REQUIREMENTS

3950W

JIB NO. 123 WITH 12'6" STRUT ON  
BOOM NO. 39 WITH OPEN THROAT TOP  
102,400 LB. COUNTERWEIGHT  
24' CRAWLERS EXTENDED

### 30 FOOT JIB

| BOOM<br>LGTH.<br>FEET | JIB<br>OPER.<br>RAD.<br>FEET | 0 DEGREE OFFSET      |                               |                    | 10 DEGREE OFFSET     |                               |                    | 20 DEGREE OFFSET     |                               |                    | JIB<br>OPER.<br>RAD.<br>FEET |
|-----------------------|------------------------------|----------------------|-------------------------------|--------------------|----------------------|-------------------------------|--------------------|----------------------|-------------------------------|--------------------|------------------------------|
|                       |                              | BOOM<br>ANG.<br>DEG. | JIB<br>POINT<br>ELEV.<br>FEET | CAPACITY<br>POUNDS | BOOM<br>ANG.<br>DEG. | JIB<br>POINT<br>ELEV.<br>FEET | CAPACITY<br>POUNDS | BOOM<br>ANG.<br>DEG. | JIB<br>POINT<br>ELEV.<br>FEET | CAPACITY<br>POUNDS |                              |
| 190                   | 40                           | 80.9                 | 226.6                         | 40,000*            | 80.9                 | 225.2                         | 40,000*            |                      |                               |                    | 40                           |
|                       | 45                           | 79.6                 | 225.7                         | 40,000*            |                      |                               |                    |                      |                               |                    | 45                           |
|                       | 50                           | 78.3                 | 224.7                         | 40,000*            | 79.6                 | 224.2                         | 40,000*            | 80.8                 | 222.8                         | 40,000*            | 50                           |
|                       | 55                           | 77.0                 | 223.6                         | 40,000*            | 78.3                 | 223.0                         | 40,000*            | 79.5                 | 221.7                         | 40,000*            | 55                           |
|                       | 60                           | 75.6                 | 222.3                         | 40,000*            | 76.9                 | 221.8                         | 40,000*            | 78.2                 | 220.4                         | 40,000*            | 60                           |
|                       | 65                           | 74.3                 | 221.0                         | 40,000*            | 75.6                 | 220.4                         | 40,000*            | 76.8                 | 219.1                         | 40,000*            | 65                           |
|                       | 70                           | 73.0                 | 219.5                         | 40,000*            | 74.2                 | 218.9                         | 40,000*            | 75.5                 | 217.6                         | 40,000*            | 70                           |
|                       | 80                           | 70.2                 | 216.1                         | 33,600             | 71.5                 | 215.6                         | 34,300             | 72.7                 | 214.2                         | 35,000             | 80                           |
|                       | 90                           | 67.5                 | 212.2                         | 28,000             | 68.7                 | 211.6                         | 28,600             | 69.9                 | 210.2                         | 29,200             | 90                           |
|                       | 100                          | 64.7                 | 207.7                         | 23,600             | 65.9                 | 207.2                         | 24,200             | 67.1                 | 205.7                         | 24,700             | 100                          |
|                       | 110                          | 61.8                 | 202.6                         | 20,200             | 63.0                 | 202.0                         | 20,600             | 64.2                 | 200.5                         | 21,100             | 110                          |
|                       | 120                          | 58.8                 | 196.9                         | 17,300             | 60.0                 | 196.3                         | 17,700             | 61.2                 | 194.7                         | 18,100             | 120                          |
|                       | 130                          | 55.7                 | 190.4                         | 14,900             | 57.0                 | 189.8                         | 15,300             | 58.1                 | 188.1                         | 15,600             | 130                          |
|                       | 140                          | 52.5                 | 183.1                         | 12,900             | 53.8                 | 182.4                         | 13,200             | 54.8                 | 180.8                         | 13,500             | 140                          |
|                       | 150                          | 49.2                 | 174.9                         | 11,100             | 50.4                 | 174.2                         | 11,400             |                      |                               |                    | 150                          |
| 200                   | 160                          | 45.7                 | 165.6                         | 9,600              | 46.9                 | 164.9                         | 9,900              |                      |                               |                    | 160                          |
|                       | 170                          | 42.0                 | 155.1                         | 8,300              | 43.1                 | 154.4                         | 8,500              |                      |                               |                    | 170                          |
|                       | 180                          | 37.9                 | 143.1                         | 7,100              |                      |                               |                    |                      |                               |                    | 180                          |
|                       | 190                          | 33.5                 | 129.1                         | 6,100              |                      |                               |                    |                      |                               |                    | 190                          |
|                       | 45                           | 80.0                 | 235.9                         | 40,000*            | 80.0                 | 234.4                         | 40,000*            |                      |                               |                    | 45                           |
|                       | 50                           | 78.8                 | 234.9                         | 40,000*            |                      |                               |                    |                      |                               |                    | 50                           |
|                       | 55                           | 77.5                 | 233.8                         | 40,000*            | 78.8                 | 233.3                         | 40,000*            | 80.0                 | 231.9                         | 40,000*            | 55                           |
|                       | 60                           | 76.3                 | 232.6                         | 40,000*            | 77.5                 | 232.1                         | 40,000*            | 78.7                 | 230.7                         | 40,000*            | 60                           |
|                       | 65                           | 75.0                 | 231.3                         | 40,000*            | 76.2                 | 230.8                         | 40,000*            | 77.4                 | 229.4                         | 40,000*            | 65                           |
|                       | 70                           | 73.7                 | 229.9                         | 40,000*            | 74.9                 | 229.4                         | 40,000*            | 76.1                 | 228.0                         | 40,000*            | 70                           |
|                       | 80                           | 71.1                 | 226.7                         | 33,200             | 72.4                 | 226.2                         | 33,900             | 73.5                 | 224.8                         | 34,700             | 80                           |
|                       | 90                           | 68.5                 | 223.0                         | 27,600             | 69.7                 | 222.4                         | 28,300             | 70.9                 | 221.0                         | 28,900             | 90                           |
|                       | 100                          | 65.8                 | 218.7                         | 23,200             | 67.0                 | 218.2                         | 23,800             | 68.2                 | 216.7                         | 24,400             | 100                          |
|                       | 110                          | 63.1                 | 213.9                         | 19,700             | 64.3                 | 213.3                         | 20,200             | 65.4                 | 211.8                         | 20,700             | 110                          |
|                       | 120                          | 60.3                 | 208.5                         | 16,900             | 61.5                 | 207.9                         | 17,300             | 62.6                 | 206.4                         | 17,700             | 120                          |
| 210                   | 130                          | 57.4                 | 202.4                         | 14,500             | 58.6                 | 201.8                         | 14,900             | 59.6                 | 200.2                         | 15,200             | 130                          |
|                       | 140                          | 54.4                 | 195.6                         | 12,400             | 55.6                 | 194.9                         | 12,800             | 56.6                 | 193.3                         | 13,100             | 140                          |
|                       | 150                          | 51.3                 | 187.9                         | 10,700             | 52.5                 | 187.3                         | 11,000             | 53.5                 | 185.6                         | 11,300             | 150                          |
|                       | 160                          | 48.1                 | 179.4                         | 9,200              | 49.2                 | 178.7                         | 9,500              |                      |                               |                    | 160                          |
|                       | 170                          | 44.6                 | 169.8                         | 7,900              | 45.8                 | 169.0                         | 8,100              |                      |                               |                    | 170                          |
|                       | 180                          | 41.0                 | 158.9                         | 6,700              | 42.1                 | 158.1                         | 6,900              |                      |                               |                    | 180                          |
|                       | 190                          | 37.1                 | 146.5                         | 5,700              |                      |                               |                    |                      |                               |                    | 190                          |
|                       | 200                          | 32.7                 | 132.0                         | 4,700              |                      |                               |                    |                      |                               |                    | 200                          |
|                       | 45                           | 80.5                 | 246.0                         | 40,000*            | 80.5                 | 244.6                         | 40,000*            |                      |                               |                    | 45                           |
|                       | 50                           | 79.3                 | 245.1                         | 40,000*            |                      |                               |                    |                      |                               |                    | 50                           |
|                       | 55                           | 78.1                 | 244.1                         | 40,000*            | 79.2                 | 243.5                         | 40,000*            | 80.4                 | 242.2                         | 40,000*            | 55                           |
|                       | 60                           | 76.8                 | 242.9                         | 40,000*            | 78.0                 | 242.4                         | 40,000*            | 79.2                 | 241.0                         | 40,000*            | 60                           |
|                       | 65                           | 75.6                 | 241.7                         | 40,000*            | 76.8                 | 241.2                         | 40,000*            | 78.0                 | 239.8                         | 40,000*            | 65                           |
|                       | 70                           | 74.4                 | 240.3                         | 40,000*            | 75.6                 | 239.8                         | 40,000*            | 76.7                 | 238.4                         | 40,000*            | 70                           |
|                       | 80                           | 71.9                 | 237.3                         | 32,900             | 73.1                 | 236.7                         | 33,700             | 74.2                 | 235.3                         | 34,400             | 80                           |
|                       | 90                           | 69.4                 | 233.7                         | 27,300             | 70.6                 | 233.2                         | 28,000             | 71.7                 | 231.7                         | 28,600             | 90                           |
|                       | 100                          | 66.9                 | 229.7                         | 22,900             | 68.0                 | 229.1                         | 23,500             | 69.1                 | 227.7                         | 24,100             | 100                          |
|                       | 110                          | 64.3                 | 225.1                         | 19,400             | 65.4                 | 224.5                         | 19,900             | 66.5                 | 223.0                         | 20,400             | 110                          |
|                       | 120                          | 61.6                 | 219.9                         | 16,600             | 62.8                 | 219.4                         | 17,000             | 63.8                 | 217.8                         | 17,400             | 120                          |
|                       | 130                          | 58.9                 | 214.2                         | 14,200             | 60.0                 | 213.6                         | 14,600             | 61.1                 | 212.0                         | 14,900             | 130                          |
|                       | 140                          | 56.1                 | 207.8                         | 12,100             | 57.2                 | 207.1                         | 12,500             | 58.2                 | 205.5                         | 12,800             | 140                          |
|                       | 150                          | 53.2                 | 200.6                         | 10,400             | 54.3                 | 200.0                         | 10,700             | 55.3                 | 198.3                         | 11,000             | 150                          |
|                       | 160                          | 50.2                 | 192.7                         | 8,900              | 51.3                 | 192.0                         | 9,200              | 52.2                 | 190.2                         | 9,400              | 160                          |
|                       | 170                          | 47.0                 | 183.8                         | 7,500              | 48.1                 | 183.1                         | 7,800              |                      |                               |                    | 170                          |
|                       | 180                          | 43.7                 | 173.8                         | 6,400              | 44.8                 | 173.1                         | 6,600              |                      |                               |                    | 180                          |
|                       | 190                          | 40.1                 | 162.6                         | 5,300              |                      |                               |                    |                      |                               |                    | 190                          |
|                       | 200                          | 36.3                 | 149.8                         | 4,400              |                      |                               |                    |                      |                               |                    | 200                          |

# MANITOWOC ENGINEERING CO.

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## LIFTCRANE JIB CAPACITIES

MEETS  
ANSI B30.5  
REQUIREMENTS

3950W

JIB NO. 123 WITH 12'6" STRUT ON  
BOOM NO. 39 WITH OPEN THROAT TOP  
102,400 LB. COUNTERWEIGHT  
24' CRAWLERS EXTENDED

### 30 FOOT JIB

| BOOM<br>LGTH.<br>FEET | JIB<br>OPER.<br>RAD.<br>FEET | 0 DEGREE OFFSET      |                               |                    | 10 DEGREE OFFSET     |                               |                    | 20 DEGREE OFFSET     |                               |                    | JIB<br>OPER.<br>RAD.<br>FEET |
|-----------------------|------------------------------|----------------------|-------------------------------|--------------------|----------------------|-------------------------------|--------------------|----------------------|-------------------------------|--------------------|------------------------------|
|                       |                              | BOOM<br>ANG.<br>DEG. | JIB<br>POINT<br>ELEV.<br>FEET | CAPACITY<br>POUNDS | BOOM<br>ANG.<br>DEG. | JIB<br>POINT<br>ELEV.<br>FEET | CAPACITY<br>POUNDS | BOOM<br>ANG.<br>DEG. | JIB<br>POINT<br>ELEV.<br>FEET | CAPACITY<br>POUNDS |                              |
| 220                   | 45                           | 80.8                 | 256.1                         | 40,000*            |                      |                               |                    |                      |                               |                    | 45                           |
|                       | 50                           | 79.7                 | 255.3                         | 40,000*            | 80.8                 | 254.7                         | 40,000*            |                      |                               |                    | 50                           |
|                       | 55                           | 78.5                 | 254.3                         | 40,000*            | 79.7                 | 253.8                         | 40,000*            | 80.8                 | 252.4                         | 40,000*            | 55                           |
|                       | 60                           | 77.4                 | 253.2                         | 40,000*            | 78.5                 | 252.7                         | 40,000*            | 79.6                 | 251.3                         | 40,000*            | 60                           |
|                       | 65                           | 76.2                 | 252.0                         | 40,000*            | 77.3                 | 251.5                         | 40,000*            | 78.4                 | 250.1                         | 40,000*            | 65                           |
|                       | 70                           | 75.0                 | 250.7                         | 39,900             | 76.2                 | 250.2                         | 40,000*            | 77.3                 | 248.8                         | 40,000*            | 70                           |
|                       | 80                           | 72.7                 | 247.8                         | 32,500             | 73.8                 | 247.2                         | 33,300             | 74.9                 | 245.8                         | 34,100             | 80                           |
|                       | 90                           | 70.3                 | 244.4                         | 26,900             | 71.4                 | 243.8                         | 27,600             | 72.5                 | 242.4                         | 28,300             | 90                           |
|                       | 100                          | 67.8                 | 240.5                         | 22,500             | 69.0                 | 240.0                         | 23,100             | 70.0                 | 238.5                         | 23,700             | 100                          |
|                       | 110                          | 65.4                 | 236.2                         | 19,000             | 66.5                 | 235.6                         | 19,600             | 67.5                 | 234.1                         | 20,100             | 110                          |
|                       | 120                          | 62.8                 | 231.3                         | 16,100             | 63.9                 | 230.7                         | 16,600             | 65.0                 | 229.2                         | 17,100             | 120                          |
|                       | 130                          | 60.3                 | 225.8                         | 13,800             | 61.4                 | 225.2                         | 14,200             | 62.4                 | 223.6                         | 14,600             | 130                          |
|                       | 140                          | 57.6                 | 219.7                         | 11,700             | 58.7                 | 219.1                         | 12,100             | 59.7                 | 217.5                         | 12,500             | 140                          |
|                       | 150                          | 54.9                 | 213.0                         | 10,000             | 55.9                 | 212.4                         | 10,300             | 56.9                 | 210.7                         | 10,600             | 150                          |
|                       | 160                          | 52.0                 | 205.5                         | 8,500              | 53.1                 | 204.9                         | 8,800              | 54.0                 | 203.2                         | 9,000              | 160                          |
|                       | 170                          | 49.1                 | 197.3                         | 7,100              | 50.2                 | 196.6                         | 7,400              |                      |                               |                    | 170                          |
|                       | 180                          | 46.0                 | 188.0                         | 6,000              | 47.1                 | 187.3                         | 6,200              |                      |                               |                    | 180                          |
|                       | 190                          | 42.7                 | 177.8                         | 4,900              | 43.8                 | 177.0                         | 5,100              |                      |                               |                    | 190                          |
|                       | 200                          | 39.3                 | 166.2                         | 4,000              |                      |                               |                    |                      |                               |                    | 200                          |
| 230                   | 50                           | 80.1                 | 265.4                         | 40,000*            |                      |                               |                    |                      |                               |                    | 50                           |
|                       | 55                           | 79.0                 | 264.5                         | 40,000*            | 80.1                 | 264.0                         | 40,000*            |                      |                               |                    | 55                           |
|                       | 60                           | 77.9                 | 263.5                         | 40,000*            | 79.0                 | 262.9                         | 40,000*            | 80.0                 | 261.5                         | 40,000*            | 60                           |
|                       | 65                           | 76.7                 | 262.3                         | 40,000*            | 77.8                 | 261.8                         | 40,000*            | 78.9                 | 260.4                         | 40,000*            | 65                           |
|                       | 70                           | 75.6                 | 261.1                         | 39,500             | 76.7                 | 260.5                         | 40,000*            | 77.8                 | 259.1                         | 40,000*            | 70                           |
|                       | 80                           | 73.4                 | 258.3                         | 32,100             | 74.4                 | 257.7                         | 33,000             | 75.5                 | 256.3                         | 33,800             | 80                           |
|                       | 90                           | 71.1                 | 255.0                         | 26,500             | 72.1                 | 254.5                         | 27,300             | 73.2                 | 253.0                         | 28,000             | 90                           |
|                       | 100                          | 68.7                 | 251.3                         | 22,200             | 69.8                 | 250.7                         | 22,800             | 70.8                 | 249.3                         | 23,400             | 100                          |
|                       | 110                          | 66.4                 | 247.1                         | 18,600             | 67.4                 | 246.6                         | 19,200             | 68.4                 | 245.1                         | 19,800             | 110                          |
|                       | 120                          | 64.0                 | 242.5                         | 15,800             | 65.0                 | 241.9                         | 16,300             | 66.0                 | 240.4                         | 16,800             | 120                          |
|                       | 130                          | 61.5                 | 237.3                         | 13,400             | 62.6                 | 236.7                         | 13,800             | 63.5                 | 235.1                         | 14,200             | 130                          |
|                       | 140                          | 59.0                 | 231.5                         | 11,300             | 60.0                 | 230.9                         | 11,800             | 61.0                 | 229.3                         | 12,100             | 140                          |
|                       | 150                          | 56.4                 | 225.1                         | 9,600              | 57.4                 | 224.5                         | 10,000             | 58.4                 | 222.9                         | 10,300             | 150                          |
|                       | 160                          | 53.7                 | 218.1                         | 8,100              | 54.8                 | 217.5                         | 8,400              | 55.7                 | 215.8                         | 8,700              | 160                          |
|                       | 170                          | 51.0                 | 210.3                         | 6,800              | 52.0                 | 209.7                         | 7,100              | 52.9                 | 207.9                         | 7,300              | 170                          |
|                       | 180                          | 48.1                 | 201.7                         | 5,600              | 49.1                 | 201.0                         | 5,800              |                      |                               |                    | 180                          |
|                       | 190                          | 45.1                 | 192.2                         | 4,500              | 46.1                 | 191.5                         | 4,800              |                      |                               |                    | 190                          |
| 240                   | 50                           | 80.5                 | 275.6                         | 40,000*            |                      |                               |                    |                      |                               |                    | 50                           |
|                       | 55                           | 79.4                 | 274.7                         | 40,000*            | 80.5                 | 274.1                         | 40,000*            |                      |                               |                    | 55                           |
|                       | 60                           | 78.3                 | 273.7                         | 40,000*            | 79.4                 | 273.1                         | 40,000*            | 80.4                 | 271.7                         | 40,000*            | 60                           |
|                       | 65                           | 77.2                 | 272.6                         | 40,000*            | 78.3                 | 272.0                         | 40,000*            | 79.3                 | 270.6                         | 40,000*            | 65                           |
|                       | 70                           | 76.2                 | 271.4                         | 39,100             | 77.2                 | 270.8                         | 40,000*            | 78.2                 | 269.4                         | 40,000*            | 70                           |
|                       | 80                           | 74.0                 | 268.7                         | 31,700             | 75.0                 | 268.1                         | 32,600             | 76.0                 | 266.7                         | 33,500             | 80                           |
|                       | 90                           | 71.8                 | 265.6                         | 26,100             | 72.8                 | 265.0                         | 26,900             | 73.8                 | 263.6                         | 27,600             | 90                           |
|                       | 100                          | 69.5                 | 262.0                         | 21,700             | 70.6                 | 261.5                         | 22,400             | 71.6                 | 260.0                         | 23,100             | 100                          |
|                       | 110                          | 67.3                 | 258.0                         | 18,200             | 68.3                 | 257.5                         | 18,800             | 69.3                 | 256.0                         | 19,400             | 110                          |
|                       | 120                          | 65.0                 | 253.6                         | 15,400             | 66.0                 | 253.0                         | 15,900             | 67.0                 | 251.5                         | 16,400             | 120                          |
|                       | 130                          | 62.6                 | 248.6                         | 13,000             | 63.7                 | 248.0                         | 13,400             | 64.6                 | 246.5                         | 13,900             | 130                          |
|                       | 140                          | 60.2                 | 243.1                         | 10,900             | 61.3                 | 242.5                         | 11,400             | 62.2                 | 240.9                         | 11,700             | 140                          |
|                       | 150                          | 57.8                 | 237.1                         | 9,200              | 58.8                 | 236.5                         | 9,600              | 59.7                 | 234.8                         | 9,900              | 150                          |
|                       | 160                          | 55.3                 | 230.4                         | 7,700              | 56.3                 | 229.8                         | 8,000              | 57.1                 | 228.1                         | 8,300              | 160                          |
|                       | 170                          | 52.6                 | 223.1                         | 6,300              | 53.6                 | 222.4                         | 6,700              | 54.5                 | 220.7                         | 6,900              | 170                          |
|                       | 180                          | 49.9                 | 215.0                         | 5,200              | 50.9                 | 214.3                         | 5,400              | 51.8                 | 212.6                         | 5,700              | 180                          |
|                       | 190                          | 47.1                 | 206.1                         | 4,100              | 48.1                 | 205.4                         | 4,400              |                      |                               |                    | 190                          |

# MANITOWOC ENGINEERING CO.

Division of The Manitowoc Company, Inc. Manitowoc, Wisconsin 54220



## LIFT CRANE JIB CAPACITIES

JIB NO. 123 WITH 12'6" STRUT ON  
BOOM NO. 39 WITH OPEN THROAT TOP  
102,400 LB. COUNTERWEIGHT  
24' CRAWLERS EXTENDED

MEETS  
ANSI B30.5  
REQUIREMENTS

3950W

### 40 FOOT JIB

| BOOM<br>LGTH.<br>FEET | JIB<br>OPER.<br>RAD.<br>FEET | 0 DEGREE OFFSET      |                               |                    | 10 DEGREE OFFSET     |                               |                    | 20 DEGREE OFFSET     |                               |                    | JIB<br>OPER.<br>RAD.<br>FEET |
|-----------------------|------------------------------|----------------------|-------------------------------|--------------------|----------------------|-------------------------------|--------------------|----------------------|-------------------------------|--------------------|------------------------------|
|                       |                              | BOOM<br>ANG.<br>DEG. | JIB<br>POINT<br>ELEV.<br>FEET | CAPACITY<br>POUNDS | BOOM<br>ANG.<br>DEG. | JIB<br>POINT<br>ELEV.<br>FEET | CAPACITY<br>POUNDS | BOOM<br>ANG.<br>DEG. | JIB<br>POINT<br>ELEV.<br>FEET | CAPACITY<br>POUNDS |                              |
| 90                    | 30                           | 79.3                 | 136.9                         | 30,000*            | 80.0                 | 135.2                         | 30,000*            |                      |                               |                    | 30                           |
|                       | 35                           | 77.1                 | 135.8                         | 30,000*            |                      |                               |                    |                      |                               |                    | 35                           |
|                       | 40                           | 74.8                 | 134.5                         | 30,000*            | 77.7                 | 133.9                         | 30,000*            | 80.6                 | 132.4                         | 30,000*            | 40                           |
|                       | 45                           | 72.6                 | 133.0                         | 30,000*            | 75.5                 | 132.4                         | 30,000*            | 78.3                 | 130.8                         | 30,000*            | 45                           |
|                       | 50                           | 70.3                 | 131.2                         | 30,000*            | 73.2                 | 130.6                         | 30,000*            | 76.0                 | 129.1                         | 30,000*            | 50                           |
|                       | 55                           | 68.0                 | 129.3                         | 30,000*            | 70.8                 | 128.6                         | 30,000*            | 73.6                 | 127.1                         | 30,000*            | 55                           |
|                       | 60                           | 65.6                 | 127.1                         | 30,000*            | 68.5                 | 126.4                         | 30,000*            | 71.2                 | 124.8                         | 30,000*            | 60                           |
|                       | 65                           | 63.2                 | 124.6                         | 30,000*            | 66.0                 | 124.0                         | 30,000*            | 68.7                 | 122.3                         | 30,000*            | 65                           |
|                       | 70                           | 60.7                 | 121.9                         | 30,000*            | 63.6                 | 121.2                         | 30,000*            | 66.2                 | 119.5                         | 29,600*            | 70                           |
|                       | 80                           | 55.6                 | 115.5                         | 30,000*            | 58.4                 | 114.8                         | 30,000*            | 61.0                 | 113.0                         | 27,200*            | 80                           |
| 100                   | 90                           | 50.1                 | 107.8                         | 30,000*            | 52.9                 | 107.0                         | 29,500*            | 55.4                 | 105.1                         | 25,300*            | 90                           |
|                       | 100                          | 44.2                 | 98.3                          | 28,100             | 46.9                 | 97.5                          | 27,100*            |                      |                               |                    | 100                          |
|                       | 110                          | 37.5                 | 86.5                          | 24,700             |                      |                               |                    |                      |                               |                    | 110                          |
| 100                   | 30                           | 80.0                 | 147.1                         | 30,000*            | 80.7                 | 145.5                         | 30,000*            |                      |                               |                    | 30                           |
|                       | 35                           | 78.0                 | 146.1                         | 30,000*            |                      |                               |                    |                      |                               |                    | 35                           |
|                       | 40                           | 75.9                 | 144.9                         | 30,000*            | 78.6                 | 144.2                         | 30,000*            |                      |                               |                    | 40                           |
|                       | 45                           | 73.8                 | 143.5                         | 30,000*            | 76.5                 | 142.8                         | 30,000*            | 79.2                 | 141.3                         | 30,000*            | 45                           |
|                       | 50                           | 71.7                 | 141.9                         | 30,000*            | 74.4                 | 141.2                         | 30,000*            | 77.0                 | 139.6                         | 30,000*            | 50                           |
|                       | 55                           | 69.6                 | 140.0                         | 30,000*            | 72.3                 | 139.4                         | 30,000*            | 74.8                 | 137.8                         | 30,000*            | 55                           |
|                       | 60                           | 67.4                 | 138.0                         | 30,000*            | 70.1                 | 137.4                         | 30,000*            | 72.6                 | 135.7                         | 30,000*            | 60                           |
|                       | 65                           | 65.2                 | 135.8                         | 30,000*            | 67.9                 | 135.1                         | 30,000*            | 70.4                 | 133.4                         | 30,000*            | 65                           |
|                       | 70                           | 63.0                 | 133.3                         | 30,000*            | 65.6                 | 132.6                         | 30,000*            | 68.1                 | 130.9                         | 30,000*            | 70                           |
|                       | 80                           | 58.3                 | 127.5                         | 30,000*            | 60.9                 | 126.8                         | 30,000*            | 63.4                 | 125.0                         | 28,200*            | 80                           |
|                       | 90                           | 53.4                 | 120.6                         | 30,000*            | 56.0                 | 119.9                         | 30,000*            | 58.4                 | 117.9                         | 26,200*            | 90                           |
|                       | 100                          | 48.2                 | 112.3                         | 27,600             | 50.8                 | 111.5                         | 28,000             | 53.0                 | 109.4                         | 24,600*            | 100                          |
| 110                   | 110                          | 42.5                 | 102.2                         | 24,100             | 45.0                 | 101.3                         | 24,400             |                      |                               |                    | 110                          |
|                       | 120                          | 36.1                 | 89.7                          | 21,300             |                      |                               |                    |                      |                               |                    | 120                          |
| 110                   | 30                           | 80.7                 | 157.3                         | 30,000*            |                      |                               |                    |                      |                               |                    | 30                           |
|                       | 35                           | 78.8                 | 156.3                         | 30,000*            |                      |                               |                    |                      |                               |                    | 35                           |
|                       | 40                           | 76.9                 | 155.2                         | 30,000*            | 79.4                 | 154.5                         | 30,000*            |                      |                               |                    | 40                           |
|                       | 45                           | 74.9                 | 153.9                         | 30,000*            | 77.5                 | 153.2                         | 30,000*            | 79.9                 | 151.6                         | 30,000*            | 45                           |
|                       | 50                           | 73.0                 | 152.4                         | 30,000*            | 75.5                 | 151.7                         | 30,000*            | 77.9                 | 150.1                         | 30,000*            | 50                           |
|                       | 55                           | 71.0                 | 150.7                         | 30,000*            | 73.5                 | 150.0                         | 30,000*            | 75.9                 | 148.4                         | 30,000*            | 55                           |
|                       | 60                           | 69.0                 | 148.8                         | 30,000*            | 71.5                 | 148.2                         | 30,000*            | 73.9                 | 146.5                         | 30,000*            | 60                           |
|                       | 65                           | 66.9                 | 146.8                         | 30,000*            | 69.4                 | 146.1                         | 30,000*            | 71.8                 | 144.4                         | 30,000*            | 65                           |
|                       | 70                           | 64.9                 | 144.5                         | 30,000*            | 67.4                 | 143.8                         | 30,000*            | 69.7                 | 142.1                         | 30,000*            | 70                           |
|                       | 80                           | 60.6                 | 139.2                         | 30,000*            | 63.1                 | 138.5                         | 30,000*            | 65.4                 | 136.7                         | 29,100*            | 80                           |
|                       | 90                           | 56.2                 | 132.9                         | 30,000*            | 58.6                 | 132.2                         | 30,000*            | 60.8                 | 130.3                         | 27,100*            | 90                           |
|                       | 100                          | 51.5                 | 125.5                         | 27,100             | 53.9                 | 124.7                         | 27,500             | 56.1                 | 122.7                         | 25,500*            | 100                          |
|                       | 110                          | 46.5                 | 116.6                         | 23,600             | 48.8                 | 115.8                         | 23,900             |                      |                               |                    | 110                          |
| 120                   | 120                          | 41.0                 | 106.0                         | 20,700             | 43.3                 | 105.0                         | 21,000             |                      |                               |                    | 120                          |
|                       | 130                          | 34.8                 | 92.9                          | 18,400             |                      |                               |                    |                      |                               |                    | 130                          |
| 120                   | 35                           | 79.5                 | 166.5                         | 30,000*            |                      |                               |                    |                      |                               |                    | 35                           |
|                       | 40                           | 77.7                 | 165.4                         | 30,000*            | 80.1                 | 164.8                         | 30,000*            |                      |                               |                    | 40                           |
|                       | 45                           | 75.9                 | 164.2                         | 30,000*            | 78.2                 | 163.6                         | 30,000*            | 80.6                 | 161.9                         | 30,000*            | 45                           |
|                       | 50                           | 74.0                 | 162.8                         | 30,000*            | 76.4                 | 162.2                         | 30,000*            | 78.7                 | 160.5                         | 30,000*            | 50                           |
|                       | 55                           | 72.2                 | 161.3                         | 30,000*            | 74.6                 | 160.6                         | 30,000*            | 76.8                 | 158.9                         | 30,000*            | 55                           |
|                       | 60                           | 70.3                 | 159.5                         | 30,000*            | 72.7                 | 158.9                         | 30,000*            | 74.9                 | 157.2                         | 30,000*            | 60                           |
|                       | 65                           | 68.4                 | 157.6                         | 30,000*            | 70.8                 | 156.9                         | 30,000*            | 73.0                 | 155.2                         | 30,000*            | 65                           |
|                       | 70                           | 66.5                 | 155.5                         | 30,000*            | 68.9                 | 154.8                         | 30,000*            | 71.1                 | 153.1                         | 30,000*            | 70                           |
|                       | 80                           | 62.6                 | 150.6                         | 30,000*            | 64.9                 | 149.9                         | 30,000*            | 67.1                 | 148.1                         | 30,000*            | 80                           |
|                       | 90                           | 58.5                 | 144.9                         | 30,000*            | 60.8                 | 144.1                         | 30,000*            | 62.9                 | 142.2                         | 28,000*            | 90                           |
|                       | 100                          | 54.3                 | 138.1                         | 26,700             | 56.5                 | 137.3                         | 27,100             | 58.6                 | 135.3                         | 26,300*            | 100                          |
|                       | 110                          | 49.8                 | 130.1                         | 23,200             | 52.0                 | 129.3                         | 23,500             | 54.0                 | 127.2                         | 23,900             | 110                          |
|                       | 120                          | 44.9                 | 120.8                         | 20,300             | 47.1                 | 119.9                         | 20,600             |                      |                               |                    | 120                          |
|                       | 130                          | 39.6                 | 109.6                         | 17,900             |                      |                               |                    |                      |                               |                    | 130                          |
|                       | 140                          | 33.7                 | 95.9                          | 15,900             |                      |                               |                    |                      |                               |                    | 140                          |

# MANITOWOC ENGINEERING CO.

Division of The Manitowoc Company, Inc. Manitowoc, Wisconsin 54220



## LIFTCRANE JIB CAPACITIES

JIB NO. 123 WITH 12'6" STRUT ON  
BOOM NO. 39 WITH OPEN THROAT TOP  
102,400 LB. COUNTERWEIGHT  
24' CRAWLERS EXTENDED

MEETS  
ANSI B30.5  
REQUIREMENTS

3950W

### 40 FOOT JIB

| BOOM<br>LGTH.<br>FEET | JIB<br>OPER.<br>RAD.<br>FEET | 0 DEGREE OFFSET      |                               |                    | 10 DEGREE OFFSET     |                               |                    | 20 DEGREE OFFSET     |                               |                    | JIB<br>OPER.<br>RAD.<br>FEET |
|-----------------------|------------------------------|----------------------|-------------------------------|--------------------|----------------------|-------------------------------|--------------------|----------------------|-------------------------------|--------------------|------------------------------|
|                       |                              | BOOM<br>ANG.<br>DEG. | JIB<br>POINT<br>ELEV.<br>FEET | CAPACITY<br>POUNDS | BOOM<br>ANG.<br>DEG. | JIB<br>POINT<br>ELEV.<br>FEET | CAPACITY<br>POUNDS | BOOM<br>ANG.<br>DEG. | JIB<br>POINT<br>ELEV.<br>FEET | CAPACITY<br>POUNDS |                              |
| 130                   | 35                           | 80.1                 | 176.7                         | 30,000*            |                      |                               |                    |                      |                               |                    | 35                           |
|                       | 40                           | 78.4                 | 175.7                         | 30,000*            | 80.7                 | 175.0                         | 30,000*            |                      |                               |                    | 40                           |
|                       | 45                           | 76.7                 | 174.5                         | 30,000*            | 78.9                 | 173.9                         | 30,000*            |                      |                               |                    | 45                           |
|                       | 50                           | 75.0                 | 173.2                         | 30,000*            | 77.2                 | 172.6                         | 30,000*            | 79.4                 | 170.9                         | 30,000*            | 50                           |
|                       | 55                           | 73.3                 | 171.8                         | 30,000*            | 75.5                 | 171.1                         | 30,000*            | 77.6                 | 169.4                         | 30,000*            | 55                           |
|                       | 60                           | 71.5                 | 170.1                         | 30,000*            | 73.7                 | 169.5                         | 30,000*            | 75.9                 | 167.8                         | 30,000*            | 60                           |
|                       | 65                           | 69.8                 | 168.3                         | 30,000*            | 72.0                 | 167.7                         | 30,000*            | 74.1                 | 165.9                         | 30,000*            | 65                           |
|                       | 70                           | 68.0                 | 166.4                         | 30,000*            | 70.2                 | 165.7                         | 30,000*            | 72.3                 | 163.9                         | 30,000*            | 70                           |
|                       | 80                           | 64.3                 | 161.8                         | 30,000*            | 66.5                 | 161.1                         | 30,000*            | 68.6                 | 159.3                         | 30,000*            | 80                           |
|                       | 90                           | 60.6                 | 156.5                         | 30,000*            | 62.7                 | 155.8                         | 30,000*            | 64.7                 | 153.9                         | 28,800*            | 90                           |
|                       | 100                          | 56.6                 | 150.3                         | 26,300             | 58.8                 | 149.5                         | 26,800             | 60.7                 | 147.6                         | 27,100*            | 100                          |
|                       | 110                          | 52.5                 | 143.1                         | 22,800             | 54.7                 | 142.3                         | 23,200             | 56.6                 | 140.2                         | 23,600             | 110                          |
|                       | 120                          | 48.2                 | 134.7                         | 19,900             | 50.3                 | 133.8                         | 20,300             | 52.1                 | 131.6                         | 20,600             | 120                          |
|                       | 130                          | 43.5                 | 124.8                         | 17,600             | 45.6                 | 123.8                         | 17,800             |                      |                               |                    | 130                          |
|                       | 140                          | 38.4                 | 113.1                         | 15,500             |                      |                               |                    |                      |                               |                    | 140                          |
|                       | 150                          | 32.6                 | 98.8                          | 13,800             |                      |                               |                    |                      |                               |                    | 150                          |
| 140                   | 35                           | 80.7                 | 186.8                         | 30,000*            |                      |                               |                    |                      |                               |                    | 35                           |
|                       | 40                           | 79.1                 | 185.9                         | 30,000*            |                      |                               |                    |                      |                               |                    | 40                           |
|                       | 45                           | 77.5                 | 184.8                         | 30,000*            | 79.6                 | 184.1                         | 30,000*            |                      |                               |                    | 45                           |
|                       | 50                           | 75.8                 | 183.6                         | 30,000*            | 77.9                 | 182.9                         | 30,000*            | 80.0                 | 181.2                         | 30,000*            | 50                           |
|                       | 55                           | 74.2                 | 182.2                         | 30,000*            | 76.3                 | 181.5                         | 30,000*            | 78.3                 | 179.8                         | 30,000*            | 55                           |
|                       | 60                           | 72.6                 | 180.7                         | 30,000*            | 74.7                 | 180.0                         | 30,000*            | 76.7                 | 178.3                         | 30,000*            | 60                           |
|                       | 65                           | 70.9                 | 179.0                         | 30,000*            | 73.0                 | 178.3                         | 30,000*            | 75.0                 | 176.6                         | 30,000*            | 65                           |
|                       | 70                           | 69.2                 | 177.1                         | 30,000*            | 71.3                 | 176.4                         | 30,000*            | 73.3                 | 174.7                         | 30,000*            | 70                           |
|                       | 80                           | 65.8                 | 172.9                         | 30,000*            | 67.9                 | 172.2                         | 30,000*            | 69.8                 | 170.4                         | 30,000*            | 80                           |
|                       | 90                           | 62.3                 | 168.0                         | 30,000*            | 64.4                 | 167.2                         | 30,000*            | 66.3                 | 165.3                         | 29,600*            | 90                           |
|                       | 100                          | 58.7                 | 162.2                         | 25,900             | 60.7                 | 161.4                         | 26,400             | 62.6                 | 159.5                         | 26,900             | 100                          |
|                       | 110                          | 54.9                 | 155.5                         | 22,400             | 56.9                 | 154.7                         | 22,800             | 58.8                 | 152.7                         | 23,300             | 110                          |
|                       | 120                          | 51.0                 | 147.9                         | 19,500             | 53.0                 | 147.0                         | 19,900             | 54.7                 | 144.9                         | 20,300             | 120                          |
|                       | 130                          | 46.8                 | 139.0                         | 17,100             | 48.7                 | 138.1                         | 17,500             |                      |                               |                    | 130                          |
|                       | 140                          | 42.3                 | 128.7                         | 15,100             | 44.2                 | 127.7                         | 15,400             |                      |                               |                    | 140                          |
|                       | 150                          | 37.3                 | 116.5                         | 13,400             |                      |                               |                    |                      |                               |                    | 150                          |
| 150                   | 40                           | 79.6                 | 196.1                         | 30,000*            |                      |                               |                    |                      |                               |                    | 40                           |
|                       | 45                           | 78.1                 | 195.1                         | 30,000*            | 80.1                 | 194.4                         | 30,000*            |                      |                               |                    | 45                           |
|                       | 50                           | 76.6                 | 193.9                         | 30,000*            | 78.6                 | 193.2                         | 30,000*            | 80.5                 | 191.5                         | 30,000*            | 50                           |
|                       | 55                           | 75.1                 | 192.6                         | 30,000*            | 77.0                 | 191.9                         | 30,000*            | 79.0                 | 190.2                         | 30,000*            | 55                           |
|                       | 60                           | 73.5                 | 191.2                         | 30,000*            | 75.5                 | 190.5                         | 30,000*            | 77.4                 | 188.7                         | 30,000*            | 60                           |
|                       | 65                           | 71.9                 | 189.6                         | 30,000*            | 73.9                 | 188.9                         | 30,000*            | 75.8                 | 187.1                         | 30,000*            | 65                           |
|                       | 70                           | 70.4                 | 187.8                         | 30,000*            | 72.3                 | 187.1                         | 30,000*            | 74.2                 | 185.3                         | 30,000*            | 70                           |
|                       | 80                           | 67.2                 | 183.8                         | 30,000*            | 69.1                 | 183.1                         | 30,000*            | 71.0                 | 181.3                         | 30,000*            | 80                           |
|                       | 90                           | 63.9                 | 179.2                         | 29,700             | 65.8                 | 178.5                         | 30,000*            | 67.7                 | 176.6                         | 30,000*            | 90                           |
|                       | 100                          | 60.5                 | 173.8                         | 25,400             | 62.4                 | 173.1                         | 26,000             | 64.2                 | 171.2                         | 26,500             | 100                          |
|                       | 110                          | 57.0                 | 167.7                         | 21,900             | 58.9                 | 166.9                         | 22,400             | 60.7                 | 164.9                         | 22,900             | 110                          |
|                       | 120                          | 53.4                 | 160.6                         | 19,000             | 55.3                 | 159.8                         | 19,500             | 56.9                 | 157.7                         | 19,900             | 120                          |
|                       | 130                          | 49.5                 | 152.5                         | 16,600             | 51.4                 | 151.6                         | 17,000             | 53.0                 | 149.4                         | 17,300             | 130                          |
|                       | 140                          | 45.5                 | 143.2                         | 14,600             | 47.3                 | 142.3                         | 14,900             |                      |                               |                    | 140                          |
|                       | 150                          | 41.1                 | 132.4                         | 12,900             | 42.9                 | 131.4                         | 13,100             |                      |                               |                    | 150                          |
|                       | 160                          | 36.3                 | 119.8                         | 11,400             |                      |                               |                    |                      |                               |                    | 160                          |
| 160                   | 40                           | 80.2                 | 206.3                         | 30,000*            |                      |                               |                    |                      |                               |                    | 40                           |
|                       | 45                           | 78.7                 | 205.3                         | 30,000*            | 80.6                 | 204.6                         | 30,000*            |                      |                               |                    | 45                           |
|                       | 50                           | 77.3                 | 204.2                         | 30,000*            | 79.2                 | 203.5                         | 30,000*            |                      |                               |                    | 50                           |
|                       | 55                           | 75.8                 | 203.0                         | 30,000*            | 77.7                 | 202.3                         | 30,000*            | 79.5                 | 200.5                         | 30,000*            | 55                           |
|                       | 60                           | 74.3                 | 201.6                         | 30,000*            | 76.2                 | 200.9                         | 30,000*            | 78.1                 | 199.1                         | 30,000*            | 60                           |
|                       | 65                           | 72.9                 | 200.1                         | 30,000*            | 74.7                 | 199.4                         | 30,000*            | 76.6                 | 197.6                         | 30,000*            | 65                           |
|                       | 70                           | 71.4                 | 198.4                         | 30,000*            | 73.3                 | 197.7                         | 30,000*            | 75.1                 | 195.9                         | 30,000*            | 70                           |
|                       | 80                           | 68.3                 | 194.7                         | 30,000*            | 70.2                 | 194.0                         | 30,000*            | 72.0                 | 192.1                         | 30,000*            | 80                           |
|                       | 90                           | 65.3                 | 190.3                         | 29,300             | 67.1                 | 189.6                         | 30,000*            | 68.9                 | 187.7                         | 30,000*            | 90                           |
|                       | 100                          | 62.1                 | 185.3                         | 25,000             | 63.9                 | 184.5                         | 25,600             | 65.6                 | 182.6                         | 26,200             | 100                          |
|                       | 110                          | 58.8                 | 179.5                         | 21,500             | 60.7                 | 178.7                         | 22,000             | 62.3                 | 176.8                         | 22,500             | 110                          |
|                       | 120                          | 55.4                 | 173.0                         | 18,600             | 57.3                 | 172.1                         | 19,100             | 58.9                 | 170.1                         | 19,500             | 120                          |
|                       | 130                          | 51.9                 | 165.5                         | 16,200             | 53.7                 | 164.6                         | 16,600             | 55.3                 | 162.5                         | 17,000             | 130                          |
|                       | 140                          | 48.2                 | 157.0                         | 14,200             | 50.0                 | 156.1                         | 14,500             |                      |                               |                    | 140                          |
|                       | 150                          | 44.3                 | 147.3                         | 12,400             | 46.0                 | 146.3                         | 12,700             |                      |                               |                    | 150                          |
|                       | 160                          | 40.0                 | 136.1                         | 10,900             |                      |                               |                    |                      |                               |                    | 160                          |
|                       | 170                          | 35.3                 | 122.9                         | 9,600              |                      |                               |                    |                      |                               |                    | 170                          |

# MANITOWOC ENGINEERING CO.

Division of The Manitowoc Company, Inc. Manitowoc, Wisconsin 54220



## LIFT CRANE JIB CAPACITIES

JIB NO. 123 WITH 12'6" STRUT ON  
BOOM NO. 39 WITH OPEN THROAT TOP  
102,400 LB. COUNTERWEIGHT  
24' CRAWLERS EXTENDED

MEETS  
ANSI B30.5  
REQUIREMENTS

3950W

### 40 FOOT JIB

| BOOM<br>LGTH.<br>FEET | JIB<br>OPER.<br>RAD.<br>FEET | 0 DEGREE OFFSET      |                               |                    | 10 DEGREE OFFSET     |                               |                    | 20 DEGREE OFFSET     |                               |                    | JIB<br>OPER.<br>RAD.<br>FEET |
|-----------------------|------------------------------|----------------------|-------------------------------|--------------------|----------------------|-------------------------------|--------------------|----------------------|-------------------------------|--------------------|------------------------------|
|                       |                              | BOOM<br>ANG.<br>DEG. | JIB<br>POINT<br>ELEV.<br>FEET | CAPACITY<br>POUNDS | BOOM<br>ANG.<br>DEG. | JIB<br>POINT<br>ELEV.<br>FEET | CAPACITY<br>POUNDS | BOOM<br>ANG.<br>DEG. | JIB<br>POINT<br>ELEV.<br>FEET | CAPACITY<br>POUNDS |                              |
| 170                   | 40                           | 80.6                 | 216.4                         | 30,000*            |                      |                               |                    |                      |                               |                    | 40                           |
|                       | 45                           | 79.3                 | 215.5                         | 30,000*            |                      |                               |                    |                      |                               |                    | 45                           |
|                       | 50                           | 77.9                 | 214.4                         | 30,000*            | 79.7                 | 213.8                         | 30,000*            |                      |                               |                    | 50                           |
|                       | 55                           | 76.5                 | 213.3                         | 30,000*            | 78.3                 | 212.6                         | 30,000*            | 80.1                 | 210.8                         | 30,000*            | 55                           |
|                       | 60                           | 75.1                 | 212.0                         | 30,000*            | 76.9                 | 211.3                         | 30,000*            | 78.6                 | 209.5                         | 30,000*            | 60                           |
|                       | 65                           | 73.7                 | 210.5                         | 30,000*            | 75.5                 | 209.8                         | 30,000*            | 77.2                 | 208.1                         | 30,000*            | 65                           |
|                       | 70                           | 72.3                 | 209.0                         | 30,000*            | 74.1                 | 208.3                         | 30,000*            | 75.8                 | 206.5                         | 30,000*            | 70                           |
|                       | 80                           | 69.4                 | 205.4                         | 30,000*            | 71.2                 | 204.7                         | 30,000*            | 72.9                 | 202.9                         | 30,000*            | 80                           |
|                       | 90                           | 66.5                 | 201.3                         | 29,000             | 68.3                 | 200.6                         | 29,800             | 69.9                 | 198.7                         | 30,000*            | 90                           |
|                       | 100                          | 63.5                 | 196.6                         | 24,700             | 65.3                 | 195.8                         | 25,300             | 66.9                 | 193.9                         | 25,900             | 100                          |
|                       | 110                          | 60.5                 | 191.2                         | 21,200             | 62.2                 | 190.4                         | 21,700             | 63.8                 | 188.4                         | 22,200             | 110                          |
|                       | 120                          | 57.3                 | 185.0                         | 18,300             | 59.0                 | 184.2                         | 18,800             | 60.6                 | 182.2                         | 19,200             | 120                          |
|                       | 130                          | 54.0                 | 178.1                         | 15,900             | 55.7                 | 177.3                         | 16,300             | 57.3                 | 175.1                         | 16,700             | 130                          |
|                       | 140                          | 50.6                 | 170.3                         | 13,900             | 52.3                 | 169.4                         | 14,200             | 53.8                 | 167.1                         | 14,600             | 140                          |
|                       | 150                          | 47.0                 | 161.4                         | 12,100             | 48.7                 | 160.4                         | 12,500             |                      |                               |                    | 150                          |
|                       | 160                          | 43.1                 | 151.3                         | 10,600             | 44.8                 | 150.3                         | 10,900             |                      |                               |                    | 160                          |
|                       | 170                          | 39.0                 | 139.6                         | 9,300              |                      |                               |                    |                      |                               |                    | 170                          |
|                       | 180                          | 34.5                 | 126.1                         | 8,100              |                      |                               |                    |                      |                               |                    | 180                          |
| 180                   | 45                           | 79.7                 | 225.7                         | 30,000*            |                      |                               |                    |                      |                               |                    | 45                           |
|                       | 50                           | 78.4                 | 224.7                         | 30,000*            | 80.2                 | 224.0                         | 30,000*            |                      |                               |                    | 50                           |
|                       | 55                           | 77.1                 | 223.6                         | 30,000*            | 78.8                 | 222.9                         | 30,000*            | 80.5                 | 221.1                         | 30,000*            | 55                           |
|                       | 60                           | 75.8                 | 222.3                         | 30,000*            | 77.5                 | 221.6                         | 30,000*            | 79.2                 | 219.8                         | 30,000*            | 60                           |
|                       | 65                           | 74.4                 | 221.0                         | 30,000*            | 76.2                 | 220.2                         | 30,000*            | 77.8                 | 218.5                         | 30,000*            | 65                           |
|                       | 70                           | 73.1                 | 219.5                         | 30,000*            | 74.8                 | 218.8                         | 30,000*            | 76.5                 | 217.0                         | 30,000*            | 70                           |
|                       | 80                           | 70.4                 | 216.1                         | 30,000*            | 72.1                 | 215.4                         | 30,000*            | 73.7                 | 213.5                         | 30,000*            | 80                           |
|                       | 90                           | 67.6                 | 212.2                         | 28,700             | 69.3                 | 211.4                         | 29,400             | 70.9                 | 209.6                         | 30,000*            | 90                           |
|                       | 100                          | 64.8                 | 207.7                         | 24,300             | 66.5                 | 206.9                         | 25,000             | 68.1                 | 205.0                         | 25,600             | 100                          |
|                       | 110                          | 61.9                 | 202.6                         | 20,800             | 63.6                 | 201.8                         | 21,400             | 65.1                 | 199.9                         | 21,900             | 110                          |
|                       | 120                          | 58.9                 | 196.9                         | 17,900             | 60.6                 | 196.0                         | 18,400             | 62.1                 | 194.0                         | 18,900             | 120                          |
|                       | 130                          | 55.9                 | 190.4                         | 15,500             | 57.5                 | 189.5                         | 16,000             | 59.0                 | 187.4                         | 16,400             | 130                          |
|                       | 140                          | 52.7                 | 183.1                         | 13,500             | 54.3                 | 182.2                         | 13,900             | 55.8                 | 180.0                         | 14,300             | 140                          |
|                       | 150                          | 49.3                 | 174.9                         | 11,800             | 51.0                 | 174.0                         | 12,100             | 52.4                 | 171.7                         | 12,400             | 150                          |
|                       | 160                          | 45.8                 | 165.6                         | 10,200             | 47.4                 | 164.7                         | 10,600             |                      |                               |                    | 160                          |
|                       | 170                          | 42.1                 | 155.1                         | 8,900              | 43.7                 | 154.1                         | 9,200              |                      |                               |                    | 170                          |
|                       | 180                          | 38.1                 | 143.1                         | 7,700              |                      |                               |                    |                      |                               |                    | 180                          |
|                       | 190                          | 33.6                 | 129.1                         | 6,700              |                      |                               |                    |                      |                               |                    | 190                          |
| 190                   | 45                           | 80.2                 | 235.8                         | 30,000*            |                      |                               |                    |                      |                               |                    | 45                           |
|                       | 50                           | 78.9                 | 234.9                         | 30,000*            | 80.6                 | 234.2                         | 30,000*            |                      |                               |                    | 50                           |
|                       | 55                           | 77.7                 | 233.8                         | 30,000*            | 79.3                 | 233.1                         | 30,000*            | 80.9                 | 231.3                         | 30,000*            | 55                           |
|                       | 60                           | 76.4                 | 232.6                         | 30,000*            | 78.1                 | 231.9                         | 30,000*            | 79.7                 | 230.1                         | 30,000*            | 60                           |
|                       | 65                           | 75.1                 | 231.3                         | 30,000*            | 76.8                 | 230.6                         | 30,000*            | 78.4                 | 228.8                         | 30,000*            | 65                           |
|                       | 70                           | 73.9                 | 229.9                         | 30,000*            | 75.5                 | 229.2                         | 30,000*            | 77.1                 | 227.4                         | 30,000*            | 70                           |
|                       | 80                           | 71.3                 | 226.7                         | 30,000*            | 72.9                 | 226.0                         | 30,000*            | 74.5                 | 224.1                         | 30,000*            | 80                           |
|                       | 90                           | 68.6                 | 223.0                         | 28,200             | 70.3                 | 222.2                         | 29,000             | 71.8                 | 220.4                         | 29,800             | 90                           |
|                       | 100                          | 66.0                 | 218.7                         | 23,800             | 67.6                 | 218.0                         | 24,600             | 69.1                 | 216.1                         | 25,200             | 100                          |
|                       | 110                          | 63.2                 | 213.9                         | 20,300             | 64.8                 | 213.1                         | 21,000             | 66.3                 | 211.2                         | 21,600             | 110                          |
|                       | 120                          | 60.4                 | 208.5                         | 17,500             | 62.0                 | 207.7                         | 18,000             | 63.5                 | 205.7                         | 18,500             | 120                          |
|                       | 130                          | 57.5                 | 202.4                         | 15,100             | 59.1                 | 201.6                         | 15,600             | 60.5                 | 199.5                         | 16,000             | 130                          |
|                       | 140                          | 54.5                 | 195.6                         | 13,000             | 56.1                 | 194.7                         | 13,500             | 57.5                 | 192.6                         | 13,900             | 140                          |
|                       | 150                          | 51.4                 | 187.9                         | 11,300             | 53.0                 | 187.0                         | 11,700             | 54.4                 | 184.8                         | 12,000             | 150                          |
|                       | 160                          | 48.2                 | 179.4                         | 9,800              | 49.7                 | 178.4                         | 10,100             |                      |                               |                    | 160                          |
|                       | 170                          | 44.8                 | 169.8                         | 8,400              | 46.3                 | 168.8                         | 8,700              |                      |                               |                    | 170                          |
|                       | 180                          | 41.1                 | 158.9                         | 7,300              | 42.6                 | 157.8                         | 7,500              |                      |                               |                    | 180                          |
|                       | 190                          | 37.2                 | 146.5                         | 6,200              |                      |                               |                    |                      |                               |                    | 190                          |
|                       | 200                          | 32.9                 | 132.0                         | 5,300              |                      |                               |                    |                      |                               |                    | 200                          |

# MANITOWOC ENGINEERING CO.

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102,400 LB. COUNTERWEIGHT  
24' CRAWLERS EXTENDED

MEETS  
ANSI B30.5  
REQUIREMENTS

3950W

### 40 FOOT JIB

| BOOM<br>LGTH.<br>FEET | JIB<br>OPER.<br>RAD.<br>FEET | 0 DEGREE OFFSET      |                               |                    | 10 DEGREE OFFSET     |                               |                    | 20 DEGREE OFFSET     |                               |                    | JIB<br>OPER.<br>RAD.<br>FEET |
|-----------------------|------------------------------|----------------------|-------------------------------|--------------------|----------------------|-------------------------------|--------------------|----------------------|-------------------------------|--------------------|------------------------------|
|                       |                              | BOOM<br>ANG.<br>DEG. | JIB<br>POINT<br>ELEV.<br>FEET | CAPACITY<br>POUNDS | BOOM<br>ANG.<br>DEG. | JIB<br>POINT<br>ELEV.<br>FEET | CAPACITY<br>POUNDS | BOOM<br>ANG.<br>DEG. | JIB<br>POINT<br>ELEV.<br>FEET | CAPACITY<br>POUNDS |                              |
| 200                   | 45                           | 80.6                 | 246.0                         | 30,000*            |                      |                               |                    |                      |                               |                    | 45                           |
|                       | 50                           | 79.4                 | 245.1                         | 30,000*            | 81.0                 | 244.4                         | 30,000*            |                      |                               |                    | 50                           |
|                       | 55                           | 78.2                 | 244.1                         | 30,000*            | 79.8                 | 243.3                         | 30,000*            |                      |                               |                    | 55                           |
|                       | 60                           | 77.0                 | 242.9                         | 30,000*            | 78.6                 | 242.2                         | 30,000*            | 80.1                 | 240.4                         | 30,000*            | 60                           |
|                       | 65                           | 75.8                 | 241.7                         | 30,000*            | 77.3                 | 241.0                         | 30,000*            | 78.9                 | 239.2                         | 30,000*            | 65                           |
|                       | 70                           | 74.5                 | 240.3                         | 30,000*            | 76.1                 | 239.6                         | 30,000*            | 77.6                 | 237.8                         | 30,000*            | 70                           |
|                       | 80                           | 72.1                 | 237.3                         | 30,000*            | 73.6                 | 236.5                         | 30,000*            | 75.1                 | 234.7                         | 30,000*            | 80                           |
|                       | 90                           | 69.6                 | 233.7                         | 27,800             | 71.1                 | 233.0                         | 28,700             | 72.6                 | 231.1                         | 29,500             | 90                           |
|                       | 100                          | 67.0                 | 229.7                         | 23,400             | 68.6                 | 228.9                         | 24,200             | 70.0                 | 227.0                         | 24,900             | 100                          |
|                       | 110                          | 64.4                 | 225.1                         | 19,900             | 66.0                 | 224.3                         | 20,600             | 67.4                 | 222.4                         | 21,200             | 110                          |
|                       | 120                          | 61.7                 | 219.9                         | 17,000             | 63.3                 | 219.1                         | 17,600             | 64.7                 | 217.1                         | 18,200             | 120                          |
|                       | 130                          | 59.0                 | 214.2                         | 14,600             | 60.5                 | 213.4                         | 15,200             | 61.9                 | 211.3                         | 15,600             | 130                          |
|                       | 140                          | 56.2                 | 207.8                         | 12,600             | 57.7                 | 206.9                         | 13,100             | 59.1                 | 204.8                         | 13,500             | 140                          |
|                       | 150                          | 53.3                 | 200.6                         | 10,900             | 54.8                 | 199.7                         | 11,300             | 56.1                 | 197.5                         | 11,600             | 150                          |
|                       | 160                          | 50.3                 | 192.6                         | 9,300              | 51.8                 | 191.7                         | 9,700              | 53.1                 | 189.4                         | 10,000             | 160                          |
| 210                   | 170                          | 47.1                 | 183.8                         | 8,000              | 48.6                 | 182.8                         | 8,300              |                      |                               |                    | 170                          |
|                       | 180                          | 43.8                 | 173.8                         | 6,800              | 45.2                 | 172.8                         | 7,100              |                      |                               |                    | 180                          |
|                       | 190                          | 40.2                 | 162.6                         | 5,800              |                      |                               |                    |                      |                               |                    | 190                          |
|                       | 200                          | 36.4                 | 149.8                         | 4,900              |                      |                               |                    |                      |                               |                    | 200                          |
|                       | 210                          | 32.2                 | 134.9                         | 4,000              |                      |                               |                    |                      |                               |                    | 210                          |
|                       | 45                           | 81.0                 | 256.1                         | 30,000*            |                      |                               |                    |                      |                               |                    | 45                           |
|                       | 50                           | 79.8                 | 255.3                         | 30,000*            |                      |                               |                    |                      |                               |                    | 50                           |
|                       | 55                           | 78.7                 | 254.3                         | 30,000*            | 80.2                 | 253.6                         | 30,000*            |                      |                               |                    | 55                           |
|                       | 60                           | 77.5                 | 253.2                         | 30,000*            | 79.0                 | 252.5                         | 30,000*            | 80.5                 | 250.7                         | 30,000*            | 60                           |
|                       | 65                           | 76.3                 | 252.0                         | 30,000*            | 77.9                 | 251.3                         | 30,000*            | 79.3                 | 249.5                         | 30,000*            | 65                           |
| 220                   | 70                           | 75.2                 | 250.7                         | 30,000*            | 76.7                 | 250.0                         | 30,000*            | 78.1                 | 248.2                         | 30,000*            | 70                           |
|                       | 80                           | 72.8                 | 247.8                         | 30,000*            | 74.3                 | 247.0                         | 30,000*            | 75.8                 | 245.2                         | 30,000*            | 80                           |
|                       | 90                           | 70.4                 | 244.4                         | 27,500             | 71.9                 | 243.6                         | 28,400             | 73.3                 | 241.8                         | 29,200             | 90                           |
|                       | 100                          | 68.0                 | 240.5                         | 23,100             | 69.5                 | 239.8                         | 23,900             | 70.9                 | 237.9                         | 24,600             | 100                          |
|                       | 110                          | 65.5                 | 236.2                         | 19,600             | 67.0                 | 235.4                         | 20,300             | 68.4                 | 233.4                         | 20,900             | 110                          |
|                       | 120                          | 63.0                 | 231.3                         | 16,700             | 64.4                 | 230.5                         | 17,300             | 65.8                 | 228.5                         | 17,900             | 120                          |
|                       | 130                          | 60.4                 | 225.8                         | 14,300             | 61.8                 | 225.0                         | 14,900             | 63.2                 | 222.9                         | 15,400             | 130                          |
|                       | 140                          | 57.7                 | 219.7                         | 12,300             | 59.2                 | 218.9                         | 12,800             | 60.5                 | 216.8                         | 13,200             | 140                          |
|                       | 150                          | 55.0                 | 213.0                         | 10,500             | 56.4                 | 212.1                         | 11,000             | 57.7                 | 210.0                         | 11,400             | 150                          |
|                       | 160                          | 52.2                 | 205.5                         | 9,000              | 53.6                 | 204.6                         | 9,400              | 54.8                 | 202.4                         | 9,800              | 160                          |
| 220                   | 170                          | 49.2                 | 197.2                         | 7,700              | 50.6                 | 196.3                         | 8,000              |                      |                               |                    | 170                          |
|                       | 180                          | 46.1                 | 188.0                         | 6,500              | 47.5                 | 187.0                         | 6,800              |                      |                               |                    | 180                          |
|                       | 190                          | 42.9                 | 177.7                         | 5,500              | 44.3                 | 176.7                         | 5,700              |                      |                               |                    | 190                          |
|                       | 200                          | 39.4                 | 166.2                         | 4,500              |                      |                               |                    |                      |                               |                    | 200                          |
|                       | 50                           | 80.2                 | 265.4                         | 30,000*            |                      |                               |                    |                      |                               |                    | 50                           |
|                       | 55                           | 79.1                 | 264.5                         | 30,000*            | 80.6                 | 263.8                         | 30,000*            |                      |                               |                    | 55                           |
|                       | 60                           | 78.0                 | 263.4                         | 30,000*            | 79.5                 | 262.7                         | 30,000*            |                      |                               |                    | 60                           |
|                       | 65                           | 76.9                 | 262.3                         | 30,000*            | 78.3                 | 261.6                         | 30,000*            | 80.9                 | 260.9                         | 30,000*            | 65                           |
|                       | 70                           | 75.7                 | 261.1                         | 30,000*            | 77.2                 | 260.3                         | 30,000*            | 79.7                 | 259.7                         | 30,000*            | 70                           |
|                       | 80                           | 73.5                 | 258.2                         | 30,000*            | 74.9                 | 257.5                         | 30,000*            | 76.6                 | 258.5                         | 30,000*            | 80                           |
|                       | 90                           | 71.2                 | 255.0                         | 27,100             | 72.6                 | 254.2                         | 28,000             | 74.0                 | 255.6                         | 30,000*            | 90                           |
|                       | 100                          | 68.9                 | 251.3                         | 22,700             | 70.3                 | 250.5                         | 23,500             | 71.6                 | 252.4                         | 28,900             | 100                          |
|                       | 110                          | 66.5                 | 247.1                         | 19,200             | 67.9                 | 246.4                         | 19,900             | 69.3                 | 248.6                         | 24,300             | 110                          |
|                       | 120                          | 64.1                 | 242.5                         | 16,300             | 65.5                 | 241.7                         | 17,000             | 66.8                 | 244.4                         | 20,600             | 120                          |
|                       | 130                          | 61.6                 | 237.3                         | 13,900             | 63.0                 | 236.5                         | 14,500             | 64.3                 | 239.7                         | 17,600             | 130                          |
|                       | 140                          | 59.1                 | 231.5                         | 11,900             | 60.5                 | 230.7                         | 12,400             | 61.8                 | 234.4                         | 15,000             | 140                          |
|                       | 150                          | 56.5                 | 225.1                         | 10,100             | 57.9                 | 224.3                         | 10,600             | 59.2                 | 228.6                         | 12,900             | 150                          |
|                       | 160                          | 53.8                 | 218.1                         | 8,600              | 55.2                 | 217.2                         | 9,000              | 56.4                 | 222.1                         | 11,000             | 160                          |
|                       | 170                          | 51.1                 | 210.3                         | 7,300              | 52.4                 | 209.4                         | 7,700              | 53.6                 | 215.0                         | 9,400              | 170                          |
|                       | 180                          | 48.2                 | 201.7                         | 6,100              | 49.6                 | 200.8                         | 6,400              |                      | 207.1                         | 8,000              | 180                          |
|                       | 190                          | 45.2                 | 192.2                         | 5,100              | 46.5                 | 191.2                         | 5,400              |                      |                               |                    | 190                          |
|                       | 200                          | 42.0                 | 181.6                         | 4,100              | 43.3                 | 180.5                         | 4,400              |                      |                               |                    | 200                          |

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## LIFTCRANE JIB CAPACITIES

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102,400 LB. COUNTERWEIGHT  
24' CRAWLERS EXTENDED

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3950W

### 40 FOOT JIB

| BOOM<br>LGTH.<br>FEET | JIB<br>OPER.<br>RAD.<br>FEET | 0 DEGREE OFFSET      |                               |                    | 10 DEGREE OFFSET     |                               |                    | 20 DEGREE OFFSET     |                               |                    | JIB<br>OPER.<br>RAD.<br>FEET |
|-----------------------|------------------------------|----------------------|-------------------------------|--------------------|----------------------|-------------------------------|--------------------|----------------------|-------------------------------|--------------------|------------------------------|
|                       |                              | BOOM<br>ANG.<br>DEG. | JIB<br>POINT<br>ELEV.<br>FEET | CAPACITY<br>POUNDS | BOOM<br>ANG.<br>DEG. | JIB<br>POINT<br>ELEV.<br>FEET | CAPACITY<br>POUNDS | BOOM<br>ANG.<br>DEG. | JIB<br>POINT<br>ELEV.<br>FEET | CAPACITY<br>POUNDS |                              |
| 230                   | 50                           | 80.6                 | 275.6                         | 30,000*            |                      |                               |                    |                      |                               |                    | 50                           |
|                       | 55                           | 79.5                 | 274.7                         | 30,000*            | 80.9                 | 273.9                         | 30,000*            |                      |                               |                    | 55                           |
|                       | 60                           | 78.4                 | 273.7                         | 30,000*            | 79.8                 | 272.9                         | 30,000*            |                      |                               |                    | 60                           |
|                       | 65                           | 77.4                 | 272.6                         | 30,000*            | 78.8                 | 271.8                         | 30,000*            | 80.1                 | 270.0                         | 30,000*            | 65                           |
|                       | 70                           | 76.3                 | 271.4                         | 30,000*            | 77.7                 | 270.6                         | 30,000*            | 79.0                 | 268.8                         | 30,000*            | 70                           |
|                       | 80                           | 74.1                 | 268.7                         | 30,000*            | 75.5                 | 267.9                         | 30,000*            | 76.8                 | 266.1                         | 30,000*            | 80                           |
|                       | 90                           | 71.9                 | 265.6                         | 26,700             | 73.3                 | 264.8                         | 27,700             | 74.6                 | 262.9                         | 28,600             | 90                           |
|                       | 100                          | 69.7                 | 262.0                         | 22,300             | 71.1                 | 261.2                         | 23,200             | 72.4                 | 259.3                         | 24,000             | 100                          |
|                       | 110                          | 67.4                 | 258.0                         | 18,800             | 68.8                 | 257.2                         | 19,600             | 70.1                 | 255.3                         | 20,300             | 110                          |
|                       | 120                          | 65.1                 | 253.6                         | 15,900             | 66.5                 | 252.8                         | 16,600             | 67.7                 | 250.8                         | 17,200             | 120                          |
|                       | 130                          | 62.8                 | 248.6                         | 13,500             | 64.1                 | 247.8                         | 14,100             | 65.4                 | 245.8                         | 14,700             | 130                          |
|                       | 140                          | 60.4                 | 243.1                         | 11,500             | 61.7                 | 242.3                         | 12,000             | 62.9                 | 240.2                         | 12,500             | 140                          |
|                       | 150                          | 57.9                 | 237.1                         | 9,800              | 59.2                 | 236.2                         | 10,200             | 60.5                 | 234.1                         | 10,700             | 150                          |
|                       | 160                          | 55.4                 | 230.4                         | 8,200              | 56.7                 | 229.5                         | 8,700              | 57.9                 | 227.4                         | 9,100              | 160                          |
|                       | 170                          | 52.8                 | 223.1                         | 6,900              | 54.1                 | 222.2                         | 7,300              | 55.3                 | 219.9                         | 7,600              | 170                          |
|                       | 180                          | 50.1                 | 215.0                         | 5,700              | 51.4                 | 214.1                         | 6,100              | 52.5                 | 211.7                         | 6,400              | 180                          |
|                       | 190                          | 47.2                 | 206.1                         | 4,700              | 48.5                 | 205.1                         | 5,000              |                      |                               |                    | 190                          |
|                       | 200                          |                      |                               |                    | 45.6                 | 195.3                         | 4,000              |                      |                               |                    | 200                          |

REFER ONLY

# MANITOWOC ENGINEERING CO.

Division of The Manitowoc Company, Inc. Manitowoc, Wisconsin 54220



## LIFTCRANE JIB CAPACITIES

MEETS  
ANSI B30.5  
REQUIREMENTS

3950W

JIB NO. 123 WITH 12'6" STRUT ON  
BOOM NO. 39 WITH OPEN THROAT TOP  
102,400 LB. COUNTERWEIGHT  
24' CRAWLERS EXTENDED

### 50 FOOT JIB

| BOOM<br>LGTH.<br>FEET | JIB<br>OPER.<br>RAD.<br>FEET | 0 DEGREE OFFSET      |                               |                    | 10 DEGREE OFFSET     |                               |                    | 20 DEGREE OFFSET     |                               |                    | JIB<br>OPER.<br>RAD.<br>FEET |
|-----------------------|------------------------------|----------------------|-------------------------------|--------------------|----------------------|-------------------------------|--------------------|----------------------|-------------------------------|--------------------|------------------------------|
|                       |                              | BOOM<br>ANG.<br>DEG. | JIB<br>POINT<br>ELEV.<br>FEET | CAPACITY<br>POUNDS | BOOM<br>ANG.<br>DEG. | JIB<br>POINT<br>ELEV.<br>FEET | CAPACITY<br>POUNDS | BOOM<br>ANG.<br>DEG. | JIB<br>POINT<br>ELEV.<br>FEET | CAPACITY<br>POUNDS |                              |
| 90                    | 30                           | 80.4                 | 147.3                         | 20,000*            |                      |                               |                    |                      |                               |                    | 30                           |
|                       | 35                           | 78.3                 | 146.3                         | 20,000*            |                      |                               |                    |                      |                               |                    | 35                           |
|                       | 40                           | 76.2                 | 145.1                         | 20,000*            | 79.6                 | 144.5                         | 20,000*            |                      |                               |                    | 40                           |
|                       | 45                           | 74.2                 | 143.7                         | 20,000*            | 77.5                 | 143.1                         | 20,000*            | 80.9                 | 141.4                         | 20,000*            | 45                           |
|                       | 50                           | 72.0                 | 142.2                         | 20,000*            | 75.4                 | 141.5                         | 20,000*            | 78.8                 | 139.8                         | 20,000*            | 50                           |
|                       | 55                           | 69.9                 | 140.4                         | 20,000*            | 73.3                 | 139.7                         | 20,000*            | 76.6                 | 138.0                         | 20,000*            | 55                           |
|                       | 60                           | 67.7                 | 138.4                         | 20,000*            | 71.1                 | 137.7                         | 20,000*            | 74.4                 | 136.0                         | 20,000*            | 60                           |
|                       | 65                           | 65.6                 | 136.2                         | 20,000*            | 68.9                 | 135.5                         | 20,000*            | 72.1                 | 133.7                         | 20,000*            | 65                           |
|                       | 70                           | 63.3                 | 133.8                         | 20,000*            | 66.7                 | 133.1                         | 20,000*            | 69.9                 | 131.2                         | 20,000*            | 70                           |
|                       | 80                           | 58.7                 | 128.1                         | 20,000*            | 62.0                 | 127.4                         | 20,000*            | 65.1                 | 125.4                         | 20,000*            | 80                           |
|                       | 90                           | 53.8                 | 121.3                         | 20,000*            | 57.1                 | 120.5                         | 20,000*            | 60.2                 | 118.5                         | 20,000*            | 90                           |
|                       | 100                          | 48.6                 | 113.1                         | 20,000*            | 51.9                 | 112.3                         | 20,000*            | 54.8                 | 110.1                         | 19,700*            | 100                          |
| 100                   | 110                          | 43.0                 | 103.2                         | 20,000*            | 46.2                 | 102.3                         | 20,000*            |                      |                               |                    | 110                          |
|                       | 120                          | 36.6                 | 91.0                          | 20,000*            |                      |                               |                    |                      |                               |                    | 120                          |
|                       | 30                           | 81.0                 | 157.4                         | 20,000*            |                      |                               |                    |                      |                               |                    | 30                           |
|                       | 35                           | 79.1                 | 156.5                         | 20,000*            |                      |                               |                    |                      |                               |                    | 35                           |
|                       | 40                           | 77.2                 | 155.4                         | 20,000*            | 80.3                 | 154.7                         | 20,000*            |                      |                               |                    | 40                           |
|                       | 45                           | 75.2                 | 154.1                         | 20,000*            | 78.4                 | 153.5                         | 20,000*            |                      |                               |                    | 45                           |
|                       | 50                           | 73.3                 | 152.7                         | 20,000*            | 76.4                 | 152.0                         | 20,000*            | 79.5                 | 150.2                         | 20,000*            | 50                           |
|                       | 55                           | 71.3                 | 151.0                         | 20,000*            | 74.4                 | 150.4                         | 20,000*            | 77.5                 | 148.5                         | 20,000*            | 55                           |
|                       | 60                           | 69.3                 | 149.2                         | 20,000*            | 72.4                 | 148.5                         | 20,000*            | 75.5                 | 146.7                         | 20,000*            | 60                           |
|                       | 65                           | 67.3                 | 147.2                         | 20,000*            | 70.4                 | 146.5                         | 20,000*            | 73.4                 | 144.6                         | 20,000*            | 65                           |
|                       | 70                           | 65.2                 | 144.9                         | 20,000*            | 68.3                 | 144.2                         | 20,000*            | 71.3                 | 142.3                         | 20,000*            | 70                           |
|                       | 80                           | 61.0                 | 139.7                         | 20,000*            | 64.1                 | 139.0                         | 20,000*            | 67.0                 | 137.0                         | 20,000*            | 80                           |
| 110                   | 90                           | 56.5                 | 133.6                         | 20,000*            | 59.6                 | 132.8                         | 20,000*            | 62.5                 | 130.7                         | 20,000*            | 90                           |
|                       | 100                          | 51.9                 | 126.2                         | 20,000*            | 54.9                 | 125.4                         | 20,000*            | 57.7                 | 123.2                         | 20,000*            | 100                          |
|                       | 110                          | 46.9                 | 117.5                         | 20,000*            | 49.9                 | 116.6                         | 20,000*            | 52.6                 | 114.2                         | 19,200*            | 110                          |
|                       | 120                          | 41.5                 | 107.1                         | 20,000*            | 44.4                 | 106.1                         | 20,000*            |                      |                               |                    | 120                          |
|                       | 130                          | 35.3                 | 94.2                          | 19,100             |                      |                               |                    |                      |                               |                    | 130                          |
|                       | 35                           | 79.8                 | 166.7                         | 20,000*            |                      |                               |                    |                      |                               |                    | 35                           |
|                       | 40                           | 78.0                 | 165.7                         | 20,000*            | 81.0                 | 165.0                         | 20,000*            |                      |                               |                    | 40                           |
|                       | 45                           | 76.1                 | 164.5                         | 20,000*            | 79.1                 | 163.8                         | 20,000*            |                      |                               |                    | 45                           |
|                       | 50                           | 74.3                 | 163.1                         | 20,000*            | 77.3                 | 162.4                         | 20,000*            | 80.2                 | 160.6                         | 20,000*            | 50                           |
|                       | 55                           | 72.5                 | 161.6                         | 20,000*            | 75.4                 | 160.9                         | 20,000*            | 78.3                 | 159.0                         | 20,000*            | 55                           |
|                       | 60                           | 70.6                 | 159.9                         | 20,000*            | 73.6                 | 159.2                         | 20,000*            | 76.4                 | 157.3                         | 20,000*            | 60                           |
|                       | 65                           | 68.7                 | 158.0                         | 20,000*            | 71.7                 | 157.3                         | 20,000*            | 74.5                 | 155.4                         | 20,000*            | 65                           |
|                       | 70                           | 66.8                 | 155.9                         | 20,000*            | 69.8                 | 155.2                         | 20,000*            | 72.6                 | 153.3                         | 20,000*            | 70                           |
| 120                   | 80                           | 62.9                 | 151.1                         | 20,000*            | 65.8                 | 150.4                         | 20,000*            | 68.6                 | 148.4                         | 20,000*            | 80                           |
|                       | 90                           | 58.9                 | 145.4                         | 20,000*            | 61.8                 | 144.7                         | 20,000*            | 64.5                 | 142.6                         | 20,000*            | 90                           |
|                       | 100                          | 54.6                 | 138.8                         | 20,000*            | 57.5                 | 138.0                         | 20,000*            | 60.1                 | 135.8                         | 20,000*            | 100                          |
|                       | 110                          | 50.1                 | 130.9                         | 20,000*            | 53.0                 | 130.1                         | 20,000*            | 55.5                 | 127.8                         | 19,900*            | 110                          |
|                       | 120                          | 45.3                 | 121.7                         | 20,000*            | 48.1                 | 120.8                         | 20,000*            |                      |                               |                    | 120                          |
|                       | 130                          | 40.1                 | 110.7                         | 18,500             | 42.9                 | 109.7                         | 18,800             |                      |                               |                    | 130                          |
|                       | 140                          | 34.2                 | 97.3                          | 16,500             |                      |                               |                    |                      |                               |                    | 140                          |
|                       | 35                           | 80.4                 | 176.9                         | 20,000*            |                      |                               |                    |                      |                               |                    | 35                           |
|                       | 40                           | 78.7                 | 175.9                         | 20,000*            |                      |                               |                    |                      |                               |                    | 40                           |
|                       | 45                           | 77.0                 | 174.8                         | 20,000*            | 79.8                 | 174.1                         | 20,000*            |                      |                               |                    | 45                           |
|                       | 50                           | 75.3                 | 173.5                         | 20,000*            | 78.1                 | 172.8                         | 20,000*            | 80.8                 | 170.9                         | 20,000*            | 50                           |
|                       | 55                           | 73.5                 | 172.1                         | 20,000*            | 76.3                 | 171.4                         | 20,000*            | 79.1                 | 169.5                         | 20,000*            | 55                           |
|                       | 60                           | 71.8                 | 170.5                         | 20,000*            | 74.6                 | 169.7                         | 20,000*            | 77.3                 | 167.8                         | 20,000*            | 60                           |
|                       | 65                           | 70.0                 | 168.7                         | 20,000*            | 72.8                 | 168.0                         | 20,000*            | 75.5                 | 166.0                         | 20,000*            | 65                           |
|                       | 70                           | 68.2                 | 166.7                         | 20,000*            | 71.0                 | 166.0                         | 20,000*            | 73.7                 | 164.1                         | 20,000*            | 70                           |
|                       | 80                           | 64.6                 | 162.3                         | 20,000*            | 67.4                 | 161.5                         | 20,000*            | 70.0                 | 159.5                         | 20,000*            | 80                           |
|                       | 90                           | 60.9                 | 157.0                         | 20,000*            | 63.6                 | 156.3                         | 20,000*            | 66.2                 | 154.2                         | 20,000*            | 90                           |
|                       | 100                          | 57.0                 | 150.9                         | 20,000*            | 59.7                 | 150.1                         | 20,000*            | 62.2                 | 147.9                         | 20,000*            | 100                          |
|                       | 110                          | 52.9                 | 143.8                         | 20,000*            | 55.6                 | 142.9                         | 20,000*            | 58.0                 | 140.7                         | 20,000*            | 110                          |
|                       | 120                          | 48.6                 | 135.5                         | 20,000*            | 51.2                 | 134.6                         | 20,000*            | 53.6                 | 132.1                         | 19,400*            | 120                          |
|                       | 130                          | 43.9                 | 125.8                         | 18,100             | 46.5                 | 124.8                         | 18,500             |                      |                               |                    | 130                          |
|                       | 140                          | 38.9                 | 114.3                         | 16,100             | 41.4                 | 113.2                         | 16,400             |                      |                               |                    | 140                          |
|                       | 150                          | 33.1                 | 100.3                         | 14,300             |                      |                               |                    |                      |                               |                    | 150                          |

# MANITOWOC ENGINEERING CO.

Division of The Manitowoc Company, Inc. Manitowoc, Wisconsin 54220



## LIFT CRANE JIB CAPACITIES

JIB NO. 123 WITH 12'6" STRUT ON  
BOOM NO. 39 WITH OPEN THROAT TOP  
102,400 LB. COUNTERWEIGHT  
24' CRAWLERS EXTENDED

MEETS  
ANSI B30.5  
REQUIREMENTS

3950W

### 50 FOOT JIB

| BOOM<br>LGTH.<br>FEET | JIB<br>OPER.<br>RAD.<br>FEET | 0 DEGREE OFFSET      |                               |                    | 10 DEGREE OFFSET     |                               |                    | 20 DEGREE OFFSET     |                               |                    | JIB<br>OPER.<br>RAD.<br>FEET |
|-----------------------|------------------------------|----------------------|-------------------------------|--------------------|----------------------|-------------------------------|--------------------|----------------------|-------------------------------|--------------------|------------------------------|
|                       |                              | BOOM<br>ANG.<br>DEG. | JIB<br>POINT<br>ELEV.<br>FEET | CAPACITY<br>POUNDS | BOOM<br>ANG.<br>DEG. | JIB<br>POINT<br>ELEV.<br>FEET | CAPACITY<br>POUNDS | BOOM<br>ANG.<br>DEG. | JIB<br>POINT<br>ELEV.<br>FEET | CAPACITY<br>POUNDS |                              |
| 130                   | 35                           | 80.9                 | 187.0                         | 20,000*            |                      |                               |                    |                      |                               |                    | 35                           |
|                       | 40                           | 79.3                 | 186.1                         | 20,000*            |                      |                               |                    |                      |                               |                    | 40                           |
|                       | 45                           | 77.7                 | 185.0                         | 20,000*            | 80.4                 | 184.3                         | 20,000*            |                      |                               |                    | 45                           |
|                       | 50                           | 76.1                 | 183.8                         | 20,000*            | 78.7                 | 183.1                         | 20,000*            |                      |                               |                    | 50                           |
|                       | 55                           | 74.5                 | 182.5                         | 20,000*            | 77.1                 | 181.8                         | 20,000*            | 79.7                 | 179.9                         | 20,000*            | 55                           |
|                       | 60                           | 72.8                 | 181.0                         | 20,000*            | 75.5                 | 180.3                         | 20,000*            | 78.0                 | 178.3                         | 20,000*            | 60                           |
|                       | 65                           | 71.2                 | 179.3                         | 20,000*            | 73.8                 | 178.6                         | 20,000*            | 76.3                 | 176.6                         | 20,000*            | 65                           |
|                       | 70                           | 69.5                 | 177.5                         | 20,000*            | 72.1                 | 176.8                         | 20,000*            | 74.6                 | 174.8                         | 20,000*            | 70                           |
|                       | 80                           | 66.1                 | 173.3                         | 20,000*            | 68.7                 | 172.6                         | 20,000*            | 71.2                 | 170.5                         | 20,000*            | 80                           |
|                       | 90                           | 62.6                 | 168.4                         | 20,000*            | 65.2                 | 167.7                         | 20,000*            | 67.6                 | 165.6                         | 20,000*            | 90                           |
|                       | 100                          | 59.0                 | 162.8                         | 20,000*            | 61.6                 | 162.0                         | 20,000*            | 63.9                 | 159.8                         | 20,000*            | 100                          |
|                       | 110                          | 55.2                 | 156.2                         | 20,000*            | 57.8                 | 155.4                         | 20,000*            | 60.1                 | 153.1                         | 20,000*            | 110                          |
|                       | 120                          | 51.3                 | 148.6                         | 20,000*            | 53.8                 | 147.7                         | 20,000*            | 56.1                 | 145.4                         | 20,000*            | 120                          |
|                       | 130                          | 47.1                 | 139.9                         | 17,700             | 49.6                 | 138.9                         | 18,100             | 51.8                 | 136.4                         | 18,500             | 130                          |
|                       | 140                          | 42.6                 | 129.7                         | 15,700             | 45.1                 | 128.7                         | 16,000             |                      |                               |                    | 140                          |
|                       | 150                          | 37.7                 | 117.7                         | 14,000             |                      |                               |                    |                      |                               |                    | 150                          |
|                       | 160                          | 32.2                 | 103.2                         | 12,400             |                      |                               |                    |                      |                               |                    | 160                          |
| 140                   | 40                           | 79.9                 | 196.3                         | 20,000*            |                      |                               |                    |                      |                               |                    | 40                           |
|                       | 45                           | 78.3                 | 195.3                         | 20,000*            | 80.9                 | 194.6                         | 20,000*            |                      |                               |                    | 45                           |
|                       | 50                           | 76.8                 | 194.1                         | 20,000*            | 79.3                 | 193.4                         | 20,000*            |                      |                               |                    | 50                           |
|                       | 55                           | 75.3                 | 192.9                         | 20,000*            | 77.8                 | 192.1                         | 20,000*            | 80.2                 | 190.2                         | 20,000*            | 55                           |
|                       | 60                           | 73.7                 | 191.4                         | 20,000*            | 76.2                 | 190.7                         | 20,000*            | 78.7                 | 188.7                         | 20,000*            | 60                           |
|                       | 65                           | 72.2                 | 189.9                         | 20,000*            | 74.7                 | 189.1                         | 20,000*            | 77.1                 | 187.2                         | 20,000*            | 65                           |
|                       | 70                           | 70.6                 | 188.2                         | 20,000*            | 73.1                 | 187.4                         | 20,000*            | 75.5                 | 185.4                         | 20,000*            | 70                           |
|                       | 80                           | 67.4                 | 184.2                         | 20,000*            | 69.9                 | 183.5                         | 20,000*            | 72.2                 | 181.4                         | 20,000*            | 80                           |
|                       | 90                           | 64.1                 | 179.7                         | 20,000*            | 66.6                 | 178.9                         | 20,000*            | 68.9                 | 176.8                         | 20,000*            | 90                           |
|                       | 100                          | 60.8                 | 174.4                         | 20,000*            | 63.2                 | 173.6                         | 20,000*            | 65.5                 | 171.4                         | 20,000*            | 100                          |
|                       | 110                          | 57.3                 | 168.3                         | 20,000*            | 59.7                 | 167.4                         | 20,000*            | 61.9                 | 165.2                         | 20,000*            | 110                          |
|                       | 120                          | 53.6                 | 161.3                         | 19,700             | 56.1                 | 160.4                         | 20,000*            | 58.2                 | 158.1                         | 20,000*            | 120                          |
|                       | 130                          | 49.8                 | 153.3                         | 17,300             | 52.2                 | 152.4                         | 17,700             | 54.3                 | 149.9                         | 18,100             | 130                          |
|                       | 140                          | 45.8                 | 144.1                         | 15,300             | 48.2                 | 143.1                         | 15,600             |                      |                               |                    | 140                          |
|                       | 150                          | 41.4                 | 133.5                         | 13,500             | 43.8                 | 132.4                         | 13,800             |                      |                               |                    | 150                          |
|                       | 160                          | 36.7                 | 121.0                         | 12,000             |                      |                               |                    |                      |                               |                    | 160                          |
| 150                   | 40                           | 80.4                 | 206.4                         | 20,000*            |                      |                               |                    |                      |                               |                    | 40                           |
|                       | 45                           | 78.9                 | 205.5                         | 20,000*            |                      |                               |                    |                      |                               |                    | 45                           |
|                       | 50                           | 77.5                 | 204.4                         | 20,000*            | 79.9                 | 203.7                         | 20,000*            |                      |                               |                    | 50                           |
|                       | 55                           | 76.0                 | 203.2                         | 20,000*            | 78.4                 | 202.5                         | 20,000*            | 80.7                 | 200.5                         | 20,000*            | 55                           |
|                       | 60                           | 74.6                 | 201.9                         | 20,000*            | 76.9                 | 201.1                         | 20,000*            | 79.3                 | 199.1                         | 20,000*            | 60                           |
|                       | 65                           | 73.1                 | 200.4                         | 20,000*            | 75.5                 | 199.6                         | 20,000*            | 77.8                 | 197.6                         | 20,000*            | 65                           |
|                       | 70                           | 71.6                 | 198.7                         | 20,000*            | 74.0                 | 198.0                         | 20,000*            | 76.3                 | 196.0                         | 20,000*            | 70                           |
|                       | 80                           | 68.6                 | 195.1                         | 20,000*            | 70.9                 | 194.3                         | 20,000*            | 73.2                 | 192.2                         | 20,000*            | 80                           |
|                       | 90                           | 65.5                 | 190.8                         | 20,000*            | 67.8                 | 190.0                         | 20,000*            | 70.1                 | 187.9                         | 20,000*            | 90                           |
|                       | 100                          | 62.3                 | 185.8                         | 20,000*            | 64.7                 | 185.0                         | 20,000*            | 66.9                 | 182.8                         | 20,000*            | 100                          |
|                       | 110                          | 59.1                 | 180.1                         | 20,000*            | 61.4                 | 179.2                         | 20,000*            | 63.5                 | 177.0                         | 20,000*            | 110                          |
|                       | 120                          | 55.7                 | 173.6                         | 19,200             | 58.0                 | 172.7                         | 19,800             | 60.1                 | 170.4                         | 20,000*            | 120                          |
|                       | 130                          | 52.2                 | 166.2                         | 16,800             | 54.5                 | 165.3                         | 17,300             | 56.5                 | 162.9                         | 17,700             | 130                          |
|                       | 140                          | 48.5                 | 157.9                         | 14,800             | 50.8                 | 156.9                         | 15,200             | 52.7                 | 154.3                         | 15,600             | 140                          |
|                       | 150                          | 44.6                 | 148.3                         | 13,000             | 46.8                 | 147.2                         | 13,400             |                      |                               |                    | 150                          |
|                       | 160                          | 40.4                 | 137.2                         | 11,500             | 42.6                 | 136.1                         | 11,800             |                      |                               |                    | 160                          |
| 160                   | 40                           | 80.8                 | 216.6                         | 20,000*            |                      |                               |                    |                      |                               |                    | 40                           |
|                       | 45                           | 79.5                 | 215.7                         | 20,000*            |                      |                               |                    |                      |                               |                    | 45                           |
|                       | 50                           | 78.1                 | 214.7                         | 20,000*            | 80.4                 | 213.9                         | 20,000*            |                      |                               |                    | 50                           |
|                       | 55                           | 76.7                 | 213.5                         | 20,000*            | 79.0                 | 212.8                         | 20,000*            |                      |                               |                    | 55                           |
|                       | 60                           | 75.3                 | 212.2                         | 20,000*            | 77.6                 | 211.5                         | 20,000*            | 79.8                 | 209.5                         | 20,000*            | 60                           |
|                       | 65                           | 73.9                 | 210.8                         | 20,000*            | 76.2                 | 210.1                         | 20,000*            | 78.4                 | 208.0                         | 20,000*            | 65                           |
|                       | 70                           | 72.5                 | 209.3                         | 20,000*            | 74.8                 | 208.5                         | 20,000*            | 76.9                 | 206.5                         | 20,000*            | 70                           |
|                       | 80                           | 69.6                 | 205.8                         | 20,000*            | 71.9                 | 205.0                         | 20,000*            | 74.0                 | 202.9                         | 20,000*            | 80                           |
|                       | 90                           | 66.7                 | 201.7                         | 20,000*            | 69.0                 | 200.9                         | 20,000*            | 71.1                 | 198.8                         | 20,000*            | 90                           |
|                       | 100                          | 63.7                 | 197.0                         | 20,000*            | 66.0                 | 196.2                         | 20,000*            | 68.1                 | 194.0                         | 20,000*            | 100                          |
|                       | 110                          | 60.7                 | 191.7                         | 20,000*            | 62.9                 | 190.8                         | 20,000*            | 65.0                 | 188.6                         | 20,000*            | 110                          |
|                       | 120                          | 57.5                 | 185.6                         | 18,800             | 59.7                 | 184.8                         | 19,400             | 61.7                 | 182.5                         | 19,900             | 120                          |
|                       | 130                          | 54.3                 | 178.8                         | 16,400             | 56.4                 | 177.9                         | 16,900             | 58.4                 | 175.5                         | 17,400             | 130                          |
|                       | 140                          | 50.9                 | 171.0                         | 14,400             | 53.0                 | 170.1                         | 14,800             | 54.9                 | 167.6                         | 15,200             | 140                          |
|                       | 150                          | 47.3                 | 162.3                         | 12,600             | 49.4                 | 161.3                         | 13,000             |                      |                               |                    | 150                          |
|                       | 160                          | 43.5                 | 152.3                         | 11,100             | 45.6                 | 151.2                         | 11,400             |                      |                               |                    | 160                          |
|                       | 170                          | 39.4                 | 140.8                         | 9,800              | 41.4                 | 139.6                         | 10,100             |                      |                               |                    | 170                          |
|                       | 180                          | 34.8                 | 127.4                         | 8,600              |                      |                               |                    |                      |                               |                    | 180                          |



ANE JIB CAPACITIES

3 WITH 12'6" STRUT ON  
39 WITH OPEN THROAT TOP  
COUNTERWEIGHT  
ERS EXTENDED

MEETS  
ANSI B30.5  
REQUIREMENTS

3950W

50 FOOT JIB

| BOOM<br>LGTH.<br>FEET | JIB<br>OPER.<br>RAD.<br>FEET | 0 DEGREE OFFSET      |                               |                    | 10 DEGREE OFFSET     |                               |                    | 20 DEGREE OFFSET     |                               |                    | JIB<br>OPER.<br>RAD.<br>FEET |
|-----------------------|------------------------------|----------------------|-------------------------------|--------------------|----------------------|-------------------------------|--------------------|----------------------|-------------------------------|--------------------|------------------------------|
|                       |                              | BOOM<br>ANG.<br>DEG. | JIB<br>POINT<br>ELEV.<br>FEET | CAPACITY<br>POUNDS | BOOM<br>ANG.<br>DEG. | JIB<br>POINT<br>ELEV.<br>FEET | CAPACITY<br>POUNDS | BOOM<br>ANG.<br>DEG. | JIB<br>POINT<br>ELEV.<br>FEET | CAPACITY<br>POUNDS |                              |
| 130                   | 35                           | 80.9                 | 187.0                         | 20,000*            |                      |                               |                    |                      |                               |                    | 35                           |
|                       | 40                           | 79.3                 | 186.1                         | 20,000*            |                      |                               |                    |                      |                               |                    | 40                           |
|                       | 45                           | 77.7                 | 185.0                         | 20,000*            | 80.4                 | 184.3                         | 20,000*            |                      |                               |                    | 45                           |
|                       | 50                           | 76.1                 | 183.8                         | 20,000*            | 78.7                 | 183.1                         | 20,000*            |                      |                               |                    | 50                           |
|                       | 55                           | 74.5                 | 182.5                         | 20,000*            | 77.1                 | 181.8                         | 20,000*            | 79.7                 | 179.9                         | 20,000*            | 55                           |
|                       | 60                           | 72.8                 | 181.0                         | 20,000*            | 75.5                 | 180.3                         | 20,000*            | 78.0                 | 178.3                         | 20,000*            | 60                           |
|                       | 65                           | 71.2                 | 179.3                         | 20,000*            | 73.8                 | 178.6                         | 20,000*            | 76.3                 | 176.6                         | 20,000*            | 65                           |
|                       | 70                           | 69.5                 | 177.5                         | 20,000*            | 72.1                 | 176.8                         | 20,000*            | 74.6                 | 174.8                         | 20,000*            | 70                           |
|                       | 80                           | 66.1                 | 173.3                         | 20,000*            | 68.7                 | 172.6                         | 20,000*            | 71.2                 | 170.5                         | 20,000*            | 80                           |
|                       | 90                           | 62.6                 | 168.4                         | 20,000*            | 65.2                 | 167.7                         | 20,000*            | 67.6                 | 165.6                         | 20,000*            | 90                           |
| 140                   | 100                          | 59.0                 | 162.8                         | 20,000*            | 61.6                 | 162.0                         | 20,000*            | 63.9                 | 159.8                         | 20,000*            | 100                          |
|                       | 110                          | 55.2                 | 156.2                         | 20,000*            | 57.8                 | 155.4                         | 20,000*            | 60.1                 | 153.1                         | 20,000*            | 110                          |
|                       | 120                          | 51.3                 | 148.6                         | 20,000*            | 53.8                 | 147.7                         | 20,000*            | 56.1                 | 145.4                         | 20,000*            | 120                          |
|                       | 130                          | 47.1                 | 139.9                         | 17,700             | 49.6                 | 138.9                         | 18,100             | 51.8                 | 136.4                         | 18,500             | 130                          |
|                       | 140                          | 42.6                 | 129.7                         | 15,700             | 45.1                 | 128.7                         | 16,000             |                      |                               |                    | 140                          |
|                       | 150                          | 37.7                 | 117.7                         | 14,000             |                      |                               |                    |                      |                               |                    | 150                          |
|                       | 160                          | 32.2                 | 103.2                         | 12,400             |                      |                               |                    |                      |                               |                    | 160                          |
| 150                   | 40                           | 79.9                 | 196.3                         | 20,000*            | 80.9                 | 194.6                         | 20,000*            |                      |                               |                    | 40                           |
|                       | 45                           | 78.3                 | 195.3                         | 20,000*            | 79.3                 | 193.4                         | 20,000*            |                      |                               |                    | 45                           |
|                       | 50                           | 76.8                 | 194.1                         | 20,000*            | 77.8                 | 192.1                         | 20,000*            | 80.2                 | 190.2                         | 20,000*            | 50                           |
|                       | 55                           | 75.3                 | 192.9                         | 20,000*            | 76.2                 | 190.7                         | 20,000*            | 78.7                 | 188.7                         | 20,000*            | 55                           |
|                       | 60                           | 73.7                 | 191.4                         | 20,000*            | 74.7                 | 189.1                         | 20,000*            | 77.1                 | 187.2                         | 20,000*            | 60                           |
|                       | 65                           | 72.2                 | 189.9                         | 20,000*            | 73.1                 | 187.4                         | 20,000*            | 75.5                 | 185.4                         | 20,000*            | 65                           |
|                       | 70                           | 70.6                 | 188.2                         | 20,000*            | 69.9                 | 185.5                         | 20,000*            | 72.2                 | 181.4                         | 20,000*            | 70                           |
|                       | 80                           | 67.4                 | 184.2                         | 20,000*            | 66.6                 | 178.9                         | 20,000*            | 68.9                 | 176.8                         | 20,000*            | 80                           |
|                       | 90                           | 64.1                 | 179.7                         | 20,000*            | 63.2                 | 173.6                         | 20,000*            | 65.5                 | 171.4                         | 20,000*            | 90                           |
|                       | 100                          | 60.8                 | 174.4                         | 20,000*            | 59.7                 | 167.4                         | 20,000*            | 61.9                 | 165.2                         | 20,000*            | 100                          |
| 160                   | 110                          | 57.3                 | 168.3                         | 20,000*            | 56.1                 | 160.4                         | 20,000*            | 58.2                 | 158.1                         | 20,000*            | 110                          |
|                       | 120                          | 53.6                 | 161.3                         | 19,700             | 52.2                 | 152.4                         | 17,700             | 54.3                 | 149.9                         | 18,100             | 120                          |
|                       | 130                          | 49.8                 | 153.3                         | 17,300             | 48.2                 | 143.1                         | 15,600             |                      |                               |                    | 130                          |
|                       | 140                          | 45.8                 | 144.1                         | 15,300             | 43.8                 | 132.4                         | 13,800             |                      |                               |                    | 140                          |
|                       | 150                          | 41.4                 | 133.5                         | 13,500             |                      |                               |                    |                      |                               |                    | 150                          |
|                       | 160                          | 36.7                 | 121.0                         | 12,000             |                      |                               |                    |                      |                               |                    | 160                          |
| 150                   | 40                           | 80.4                 | 206.4                         | 20,000*            | 79.9                 | 203.7                         | 20,000*            | 80.7                 | 200.5                         | 20,000*            | 40                           |
|                       | 45                           | 78.9                 | 205.5                         | 20,000*            | 78.4                 | 202.5                         | 20,000*            | 79.3                 | 199.1                         | 20,000*            | 45                           |
|                       | 50                           | 77.5                 | 204.4                         | 20,000*            | 76.9                 | 201.1                         | 20,000*            | 77.8                 | 197.6                         | 20,000*            | 50                           |
|                       | 55                           | 76.0                 | 203.2                         | 20,000*            | 75.5                 | 199.6                         | 20,000*            | 76.3                 | 196.0                         | 20,000*            | 55                           |
|                       | 60                           | 74.6                 | 201.9                         | 20,000*            | 74.0                 | 198.0                         | 20,000*            | 75.1                 | 192.2                         | 20,000*            | 60                           |
|                       | 65                           | 73.1                 | 200.4                         | 20,000*            | 72.6                 | 196.0                         | 20,000*            | 74.0                 | 192.2                         | 20,000*            | 65                           |
|                       | 70                           | 71.6                 | 198.7                         | 20,000*            | 70.9                 | 194.3                         | 20,000*            | 72.1                 | 187.9                         | 20,000*            | 70                           |
|                       | 80                           | 68.6                 | 195.1                         | 20,000*            | 67.8                 | 190.0                         | 20,000*            | 70.1                 | 187.9                         | 20,000*            | 80                           |
|                       | 90                           | 65.5                 | 190.8                         | 20,000*            | 64.7                 | 185.0                         | 20,000*            | 66.9                 | 182.8                         | 20,000*            | 90                           |
|                       | 100                          | 62.3                 | 185.8                         | 20,000*            | 61.4                 | 179.2                         | 20,000*            | 63.5                 | 177.0                         | 20,000*            | 100                          |
| 160                   | 110                          | 59.1                 | 180.1                         | 20,000*            | 58.0                 | 172.7                         | 19,800             | 60.1                 | 170.4                         | 20,000*            | 110                          |
|                       | 120                          | 55.7                 | 173.6                         | 19,200             | 54.5                 | 165.3                         | 17,300             | 56.5                 | 162.9                         | 17,700             | 120                          |
|                       | 130                          | 52.2                 | 166.2                         | 16,800             | 50.8                 | 156.9                         | 15,200             | 52.7                 | 154.3                         | 15,600             | 130                          |
|                       | 140                          | 48.5                 | 157.9                         | 14,800             | 46.8                 | 147.2                         | 13,400             |                      |                               |                    | 140                          |
|                       | 150                          | 44.6                 | 148.3                         | 13,000             | 42.6                 | 136.1                         | 11,800             |                      |                               |                    | 150                          |
|                       | 160                          | 40.4                 | 137.2                         | 11,500             |                      |                               |                    |                      |                               |                    | 160                          |
|                       | 170                          | 35.7                 | 124.3                         | 10,200             |                      |                               |                    |                      |                               |                    | 170                          |
| 160                   | 40                           | 80.8                 | 216.6                         | 20,000*            | 80.4                 | 213.9                         | 20,000*            | 79.8                 | 209.5                         | 20,000*            | 40                           |
|                       | 45                           | 79.5                 | 215.7                         | 20,000*            | 79.0                 | 212.8                         | 20,000*            |                      |                               |                    | 45                           |
|                       | 50                           | 78.1                 | 214.7                         | 20,000*            | 77.6                 | 211.5                         | 20,000*            |                      |                               |                    | 50                           |
|                       | 55                           | 76.7                 | 213.5                         | 20,000*            | 76.2                 | 210.1                         | 20,000*            | 78.4                 | 208.0                         | 20,000*            | 55                           |
|                       | 60                           | 75.3                 | 212.2                         | 20,000*            | 74.8                 | 208.5                         | 20,000*            | 76.9                 | 206.5                         | 20,000*            | 60                           |
|                       | 65                           | 73.9                 | 210.8                         | 20,000*            | 73.4                 | 207.0                         | 20,000*            | 75.4                 | 204.9                         | 20,000*            | 65                           |
|                       | 70                           | 72.5                 | 209.3                         | 20,000*            | 71.9                 | 205.0                         | 20,000*            | 74.0                 | 202.9                         | 20,000*            | 70                           |
|                       | 80                           | 69.6                 | 205.8                         | 20,000*            | 69.0                 | 200.9                         | 20,000*            | 71.1                 | 198.8                         | 20,000*            | 80                           |
|                       | 90                           | 66.7                 | 201.7                         | 20,000*            | 66.0                 | 196.2                         | 20,000*            | 68.1                 | 194.0                         | 20,000*            | 90                           |
|                       | 100                          | 63.7                 | 197.0                         | 20,000*            | 62.9                 | 190.8                         | 20,000*            | 65.0                 | 188.6                         | 20,000*            | 100                          |
| 170                   | 110                          | 60.7                 | 191.7                         | 20,000*            | 59.7                 | 184.8                         | 19,400             | 61.7                 | 182.5                         | 19,900             | 110                          |
|                       | 120                          | 57.5                 | 185.6                         | 18,800             | 56.4                 | 177.9                         | 16,900             | 58.4                 | 175.5                         | 17,400             | 120                          |
|                       | 130                          | 54.3                 | 178.8                         | 16,400             | 53.0                 | 170.1                         | 14,800             | 54.9                 | 167.6                         | 15,200             | 130                          |
|                       | 140                          | 50.9                 | 171.0                         | 14,400             | 49.4                 | 161.3                         | 13,000             |                      |                               |                    | 140                          |
|                       | 150                          | 47.3                 | 162.3                         | 12,600             | 45.6                 | 151.2                         | 11,400             |                      |                               |                    | 150                          |
|                       | 160                          | 43.5                 | 152.3                         | 11,100             | 41.4                 | 139.6                         | 10,100             |                      |                               |                    | 160                          |
|                       | 170                          | 39.4                 | 140.8                         | 9,800              |                      |                               |                    |                      |                               |                    | 170                          |
|                       | 180                          | 34.8                 | 127.4                         | 8,600              |                      |                               |                    |                      |                               |                    | 180                          |



LIFTCRANE JIB CAPACITIES

JIB NO. 123 WITH 12'6" STRUT ON  
BOOM NO. 39 WITH OPEN THROAT TOP  
102,400 LB. COUNTERWEIGHT  
24' CRAWLERS EXTENDED

MEETS  
ANSI B30.5  
REQUIREMENTS

3950W

40 FOOT JIB

| BOOM<br>LGTH.<br>FEET | JIB<br>OPER.<br>RAD.<br>FEET | 0 DEGREE OFFSET      |                               |                    | 10 DEGREE OFFSET     |                               |                    | 20 DEGREE OFFSET     |                               |                    | JIB<br>OPER.<br>RAD.<br>FEET |
|-----------------------|------------------------------|----------------------|-------------------------------|--------------------|----------------------|-------------------------------|--------------------|----------------------|-------------------------------|--------------------|------------------------------|
|                       |                              | BOOM<br>ANG.<br>DEG. | JIB<br>POINT<br>ELEV.<br>FEET | CAPACITY<br>POUNDS | BOOM<br>ANG.<br>DEG. | JIB<br>POINT<br>ELEV.<br>FEET | CAPACITY<br>POUNDS | BOOM<br>ANG.<br>DEG. | JIB<br>POINT<br>ELEV.<br>FEET | CAPACITY<br>POUNDS |                              |
| 200                   | 45                           | 80.6                 | 246.0                         | 30,000*            |                      |                               |                    |                      |                               |                    | 45                           |
|                       | 50                           | 79.4                 | 245.1                         | 30,000*            | 81.0                 | 244.4                         | 30,000*            |                      |                               |                    | 50                           |
|                       | 55                           | 78.2                 | 244.1                         | 30,000*            | 79.8                 | 243.3                         | 30,000*            |                      |                               |                    | 55                           |
|                       | 60                           | 77.0                 | 242.9                         | 30,000*            | 78.6                 | 242.2                         | 30,000*            | 80.1                 | 240.4                         | 30,000*            | 60                           |
|                       | 65                           | 75.8                 | 241.7                         | 30,000*            | 77.3                 | 241.0                         | 30,000*            | 78.9                 | 239.2                         | 30,000*            | 65                           |
|                       | 70                           | 74.5                 | 240.3                         | 30,000*            | 76.1                 | 239.6                         | 30,000*            | 77.6                 | 237.8                         | 30,000*            | 70                           |
|                       | 80                           | 72.1                 | 237.3                         | 30,000*            | 73.6                 | 236.5                         | 30,000*            | 75.1                 | 234.7                         | 30,000*            | 80                           |
|                       | 90                           | 69.6                 | 233.7                         | 27,800             | 71.1                 | 233.0                         | 28,700             | 72.6                 | 231.1                         | 29,500             | 90                           |
|                       | 100                          | 67.0                 | 229.7                         | 23,400             | 68.6                 | 228.9                         | 24,200             | 70.0                 | 227.0                         | 24,900             | 100                          |
|                       | 110                          | 64.4                 | 225.1                         | 19,900             | 66.0                 | 224.3                         | 20,600             | 67.4                 | 222.4                         | 21,200             | 110                          |
| 210                   | 120                          | 61.7                 | 219.9                         | 17,000             | 63.3                 | 219.1                         | 17,600             | 64.7                 | 217.1                         | 18,200             | 120                          |
|                       | 130                          | 59.0                 | 214.2                         | 14,600             | 60.5                 | 213.4                         | 15,200             | 61.9                 | 211.3                         | 15,600             | 130                          |
|                       | 140                          | 56.2                 | 207.8                         | 12,600             | 57.7                 | 206.9                         | 13,100             | 59.1                 | 204.8                         | 13,500             | 140                          |
|                       | 150                          | 53.3                 | 200.6                         | 10,900             | 54.8                 | 199.7                         | 11,300             | 56.1                 | 197.5                         | 11,600             | 150                          |
|                       | 160                          | 50.3                 | 192.6                         | 9,300              | 51.8                 | 191.7                         | 9,700              | 53.1                 | 189.4                         | 10,000             | 160                          |
|                       | 170                          | 47.1                 | 183.8                         | 8,000              | 48.6                 | 182.8                         | 8,300              |                      |                               |                    | 170                          |
|                       | 180                          | 43.8                 | 173.8                         | 6,800              | 45.2                 | 172.8                         | 7,100              |                      |                               |                    | 180                          |
|                       | 190                          | 40.2                 | 162.6                         | 5,800              |                      |                               |                    |                      |                               |                    | 190                          |
|                       | 200                          | 36.4                 | 149.8                         | 4,900              |                      |                               |                    |                      |                               |                    | 200                          |
|                       | 210                          | 32.2                 | 134.9                         | 4,000              |                      |                               |                    |                      |                               |                    | 210                          |
| 220                   | 45                           | 81.0                 | 256.1                         | 30,000*            |                      |                               |                    |                      |                               |                    | 45                           |
|                       | 50                           | 79.8                 | 255.3                         | 30,000*            |                      |                               |                    |                      |                               |                    | 50                           |
|                       | 55                           | 78.7                 | 254.3                         | 30,000*            | 80.2                 | 253.6                         | 30,000*            |                      |                               |                    | 55                           |
|                       | 60                           | 77.5                 | 253.2                         | 30,000*            | 79.0                 | 252.5                         | 30,000*            | 80.5                 | 250.7                         | 30,000*            | 60                           |
|                       | 65                           | 76.3                 | 252.0                         | 30,000*            | 77.9                 | 251.3                         | 30,000*            | 79.3                 | 249.5                         | 30,000*            | 65                           |
|                       | 70                           | 75.2                 | 250.7                         | 30,000*            | 76.7                 | 250.0                         | 30,000*            | 78.1                 | 248.2                         | 30,000*            | 70                           |
|                       | 80                           | 72.8                 | 247.8                         | 30,000*            | 74.3                 | 247.0                         | 30,000*            | 75.8                 | 245.2                         | 30,000*            | 80                           |
|                       | 90                           | 70.4                 | 244.4                         | 27,500             | 71.9                 | 243.6                         | 28,400             | 73.3                 | 241.8                         | 29,200             | 90                           |
|                       | 100                          | 68.0                 | 240.5                         | 23,100             | 69.5                 | 239.8                         | 23,900             | 70.9                 | 237.9                         | 24,600             | 100                          |
|                       | 110                          | 65.5                 | 236.2                         | 19,600             | 67.0                 | 235.4                         | 20,300             | 68.4                 | 233.4                         | 20,900             | 110                          |
| 230                   | 120                          | 63.0                 | 231.3                         | 16,700             | 64.4                 | 230.5                         | 17,300             | 65.8                 | 228.5                         | 17,900             | 120                          |
|                       | 130                          | 60.4                 | 225.8                         | 14,300             | 61.8                 | 225.0                         | 14,900             | 63.2                 | 222.9                         | 15,400             | 130                          |
|                       | 140                          | 57.7                 | 219.7                         | 12,300             | 59.2                 | 218.9                         | 12,800             | 60.5                 | 216.8                         | 13,200             | 140                          |
|                       | 150                          | 55.0                 | 213.0                         | 10,500             | 56.4                 | 212.1                         | 11,000             | 57.7                 | 210.0                         | 11,400             | 150                          |
|                       | 160                          | 52.2                 | 205.5                         | 9,000              | 53.6                 | 204.6                         | 9,400              | 54.8                 | 202.4                         | 9,800              | 160                          |
|                       | 170                          | 49.2                 | 197.2                         | 7,700              | 50.6                 | 196.3                         | 8,000              |                      |                               |                    | 170                          |
|                       | 180                          | 46.1                 | 188.0                         | 6,500              | 47.5                 | 187.0                         | 6,800              |                      |                               |                    | 180                          |
|                       | 190                          | 42.9                 | 177.7                         | 5,500              | 44.3                 | 176.7                         | 5,700              |                      |                               |                    | 190                          |
|                       | 200                          | 39.4                 | 166.2                         | 4,500              |                      |                               |                    |                      |                               |                    | 200                          |
|                       | 240                          | 50                   | 80.2                          | 265.4              | 30,000*              |                               |                    |                      |                               |                    |                              |
| 55                    |                              | 79.1                 | 264.5                         | 30,000*            |                      |                               |                    |                      |                               |                    | 55                           |
| 60                    |                              | 78.0                 | 263.4                         | 30,000*            | 80.6                 | 263.8                         | 30,000*            |                      |                               |                    | 60                           |
| 65                    |                              | 76.9                 | 262.3                         | 30,000*            | 79.5                 | 262.7                         | 30,000*            | 80.9                 | 260.9                         | 30,000*            | 65                           |
| 70                    |                              | 75.7                 | 261.1                         | 30,000*            | 78.3                 | 261.6                         | 30,000*            | 79.7                 | 259.7                         | 30,000*            | 70                           |
| 80                    |                              | 73.5                 | 258.2                         | 30,000*            | 77.2                 | 260.3                         | 30,000*            | 78.6                 | 258.5                         | 30,000*            | 80                           |
| 90                    |                              | 71.2                 | 255.0                         | 27,100             | 74.9                 | 257.5                         | 30,000*            | 76.3                 | 255.6                         | 30,000*            | 90                           |
| 100                   |                              | 68.9                 | 251.3                         | 22,700             | 72.6                 | 254.2                         | 28,000             | 74.0                 | 252.4                         | 28,900             | 100                          |
| 110                   |                              | 66.5                 | 247.1                         | 19,200             | 70.3                 | 250.5                         | 23,500             | 71.6                 | 248.6                         | 24,300             | 110                          |
| 120                   |                              | 64.1                 | 242.5                         | 16,300             | 67.9                 | 246.4                         | 19,900             | 69.3                 | 244.4                         | 20,600             | 120                          |
| 250                   | 130                          | 61.6                 | 237.3                         | 13,900             | 65.5                 | 241.7                         | 17,000             | 66.8                 | 239.7                         | 17,600             | 130                          |
|                       | 140                          | 59.1                 | 231.5                         | 11,900             | 63.0                 | 236.5                         | 14,500             | 64.3                 | 234.4                         | 15,000             | 140                          |
|                       | 150                          | 56.5                 | 225.1                         | 10,100             | 60.5                 | 230.7                         | 12,400             | 61.8                 | 228.6                         | 12,900             | 150                          |
|                       | 160                          | 53.8                 | 218.1                         | 8,600              | 57.9                 | 224.3                         | 10,600             | 59.2                 | 222.1                         | 11,000             | 160                          |
|                       | 170                          | 51.1                 | 210.3                         | 7,300              | 55.2                 | 217.2                         | 9,000              | 56.4                 | 215.0                         | 9,400              | 170                          |
|                       | 180                          | 48.2                 | 201.7                         | 6,100              | 52.4                 | 209.4                         | 7,700              | 53.6                 | 207.1                         | 8,000              | 180                          |
|                       | 190                          | 45.2                 | 192.2                         | 5,100              | 49.6                 | 200.8                         | 6,400              |                      |                               |                    | 190                          |
|                       | 200                          | 42.0                 | 181.6                         | 4,100              | 46.5                 | 191.2                         | 5,400              |                      |                               |                    | 200                          |
|                       | 210                          |                      |                               |                    | 43.3                 | 180.5                         | 4,400              |                      |                               |                    | 210                          |
|                       | 220                          |                      |                               |                    |                      |                               |                    |                      |                               |                    | 220                          |



LIFTCRANE JIB CAPACITIES

JIB NO. 123 WITH 12'6" STRUT ON  
BOOM NO. 39 WITH OPEN THROAT TOP  
102,400 LB. COUNTERWEIGHT  
24' CRAWLERS EXTENDED

MEETS  
ANSI B30.5  
REQUIREMENTS

3950W

40 FOOT JIB

| BOOM<br>LGTH.<br>FEET | JIB<br>OPER.<br>RAD.<br>FEET | 0 DEGREE OFFSET      |                               |                    | 10 DEGREE OFFSET     |                               |                    | 20 DEGREE OFFSET     |                               |                    | JIB<br>OPER.<br>RAD.<br>FEET |
|-----------------------|------------------------------|----------------------|-------------------------------|--------------------|----------------------|-------------------------------|--------------------|----------------------|-------------------------------|--------------------|------------------------------|
|                       |                              | BOOM<br>ANG.<br>DEG. | JIB<br>POINT<br>ELEV.<br>FEET | CAPACITY<br>POUNDS | BOOM<br>ANG.<br>DEG. | JIB<br>POINT<br>ELEV.<br>FEET | CAPACITY<br>POUNDS | BOOM<br>ANG.<br>DEG. | JIB<br>POINT<br>ELEV.<br>FEET | CAPACITY<br>POUNDS |                              |
| 230                   | 50                           | 80.6                 | 275.6                         | 30,000*            | 80.9                 | 273.9                         | 30,000*            |                      |                               |                    | 50                           |
|                       | 55                           | 79.5                 | 274.7                         | 30,000*            | 79.8                 | 272.9                         | 30,000*            |                      |                               |                    | 55                           |
|                       | 60                           | 78.4                 | 273.7                         | 30,000*            | 78.8                 | 271.8                         | 30,000*            |                      |                               |                    | 60                           |
|                       | 65                           | 77.4                 | 272.6                         | 30,000*            | 77.7                 | 270.6                         | 30,000*            | 80.1                 | 270.0                         | 30,000*            | 65                           |
|                       | 70                           | 76.3                 | 271.4                         | 30,000*            | 76.8                 | 268.8                         | 30,000*            | 79.0                 | 268.8                         | 30,000*            | 70                           |
|                       | 80                           | 74.1                 | 268.7                         | 30,000*            | 75.5                 | 267.9                         | 30,000*            | 76.8                 | 266.1                         | 30,000*            | 80                           |
|                       | 90                           | 71.9                 | 265.6                         | 26,700             | 73.3                 | 264.8                         | 27,700             | 74.6                 | 262.9                         | 28,600             | 90                           |
|                       | 100                          | 69.7                 | 262.0                         | 22,300             | 71.1                 | 261.2                         | 23,200             | 72.4                 | 259.3                         | 24,000             | 100                          |
|                       | 110                          | 67.4                 | 258.0                         | 18,800             | 68.8                 | 257.2                         | 19,600             | 70.1                 | 255.3                         | 20,300             | 110                          |
|                       | 120                          | 65.1                 | 253.6                         | 15,900             | 66.5                 | 252.8                         | 16,600             | 67.7                 | 250.8                         | 17,200             | 120                          |
|                       | 130                          | 62.8                 | 248.6                         | 13,500             | 64.1                 | 247.8                         | 14,100             | 65.4                 | 245.8                         | 14,700             | 130                          |
|                       | 140                          | 60.4                 | 243.1                         | 11,500             | 61.7                 | 242.3                         | 12,000             | 62.9                 | 240.2                         | 12,500             | 140                          |
| 180                   | 150                          | 57.9                 | 237.1                         | 9,800              | 59.2                 | 236.2                         | 10,200             | 60.5                 | 234.1                         | 10,700             | 150                          |
|                       | 160                          | 55.4                 | 230.4                         | 8,200              | 56.7                 | 229.5                         | 8,700              | 57.9                 | 227.4                         | 9,100              | 160                          |
|                       | 170                          | 52.8                 | 223.1                         | 6,900              | 54.1                 | 222.2                         | 7,300              | 55.3                 | 219.9                         | 7,600              | 170                          |
|                       | 180                          | 50.1                 | 215.0                         | 5,700              | 51.4                 | 214.1                         | 6,100              | 52.5                 | 211.7                         | 6,400              | 180                          |
|                       | 190                          | 47.2                 | 206.1                         | 4,700              | 48.5                 | 205.1                         | 5,000              |                      |                               |                    | 190                          |
|                       | 200                          |                      |                               |                    | 45.6                 | 195.3                         | 4,000              |                      |                               |                    | 200                          |

LIFTCRANE JIB CAPACITIES

JIB NO. 123 WITH 12'6" STRUT ON  
BOOM NO. 39 WITH OPEN THROAT TOP  
102,400 LB. COUNTERWEIGHT  
24' CRAWLERS EXTENDED

MEETS  
ANSI  
REQUIREMENTS

LIFTCRANE

JIB NO. 1  
BOOM NO. 39  
102,400 LB. COUNTERWEIGHT  
24' CRAWLERS EXTENDED

50 FOOT JIB

| BOOM<br>LGTH.<br>FEET | JIB<br>OPER.<br>RAD.<br>FEET | 0 DEGREE OFFSET      |                               |                    | 10 DEGREE OFFSET     |                               |                    | 20 DEGREE OFFSET     |                               |                    | JIB<br>OPER.<br>RAD.<br>FEET |
|-----------------------|------------------------------|----------------------|-------------------------------|--------------------|----------------------|-------------------------------|--------------------|----------------------|-------------------------------|--------------------|------------------------------|
|                       |                              | BOOM<br>ANG.<br>DEG. | JIB<br>POINT<br>ELEV.<br>FEET | CAPACITY<br>POUNDS | BOOM<br>ANG.<br>DEG. | JIB<br>POINT<br>ELEV.<br>FEET | CAPACITY<br>POUNDS | BOOM<br>ANG.<br>DEG. | JIB<br>POINT<br>ELEV.<br>FEET | CAPACITY<br>POUNDS |                              |
| 90                    | 30                           | 80.4                 | 147.3                         | 20,000*            |                      |                               |                    |                      |                               |                    | 30                           |
|                       | 35                           | 78.3                 | 146.3                         | 20,000*            |                      |                               |                    |                      |                               |                    | 35                           |
|                       | 40                           | 76.2                 | 145.1                         | 20,000*            | 79.6                 | 144.5                         | 20,000*            |                      |                               |                    | 40                           |
|                       | 45                           | 74.2                 | 143.7                         | 20,000*            | 77.5                 | 143.1                         | 20,000*            | 80.9                 | 141.1                         |                    | 45                           |
|                       | 50                           | 72.0                 | 142.2                         | 20,000*            | 75.4                 | 141.5                         | 20,000*            | 78.8                 | 139.9                         |                    | 50                           |
|                       | 55                           | 69.9                 | 140.4                         | 20,000*            | 73.3                 | 139.7                         | 20,000*            | 76.6                 | 138.2                         |                    | 55                           |
|                       | 60                           | 67.7                 | 138.4                         | 20,000*            | 71.1                 | 137.7                         | 20,000*            | 74.4                 | 136.6                         |                    | 60                           |
|                       | 65                           | 65.6                 | 136.2                         | 20,000*            | 68.9                 | 135.5                         | 20,000*            | 72.1                 | 133.3                         |                    | 65                           |
|                       | 70                           | 63.3                 | 133.8                         | 20,000*            | 66.7                 | 133.1                         | 20,000*            | 69.9                 | 131.1                         |                    | 70                           |
|                       | 80                           | 58.7                 | 128.1                         | 20,000*            | 62.0                 | 127.4                         | 20,000*            | 65.1                 | 125.5                         |                    | 80                           |
|                       | 90                           | 53.8                 | 121.3                         | 20,000*            | 57.1                 | 120.5                         | 20,000*            | 60.2                 | 118.8                         |                    | 90                           |
|                       | 100                          | 48.6                 | 113.1                         | 20,000*            | 51.9                 | 112.3                         | 20,000*            | 54.8                 | 110.0                         |                    | 100                          |
| 100                   | 110                          | 43.0                 | 103.2                         | 20,000*            | 46.2                 | 102.3                         | 20,000*            |                      |                               |                    | 110                          |
|                       | 120                          | 36.6                 | 91.0                          | 20,000*            |                      |                               |                    |                      |                               |                    | 120                          |
|                       | 30                           | 81.0                 | 157.4                         | 20,000*            |                      |                               |                    |                      |                               |                    | 30                           |
|                       | 35                           | 79.1                 | 156.5                         | 20,000*            |                      |                               |                    |                      |                               |                    | 35                           |
|                       | 40                           | 77.2                 | 155.4                         | 20,000*            | 80.3                 | 154.7                         | 20,000*            |                      |                               |                    | 40                           |
|                       | 45                           | 75.2                 | 154.1                         | 20,000*            | 78.4                 | 153.5                         | 20,000*            |                      |                               |                    | 45                           |
|                       | 50                           | 73.3                 | 152.7                         | 20,000*            | 76.4                 | 152.0                         | 20,000*            | 79.5                 | 150.0                         |                    | 50                           |
|                       | 55                           | 71.3                 | 151.0                         | 20,000*            | 74.4                 | 150.4                         | 20,000*            | 77.5                 | 148.8                         |                    | 55                           |
|                       | 60                           | 69.3                 | 149.2                         | 20,000*            | 72.4                 | 148.5                         | 20,000*            | 75.5                 | 146.6                         |                    | 60                           |
|                       | 65                           | 67.3                 | 147.2                         | 20,000*            | 70.4                 | 146.5                         | 20,000*            | 73.4                 | 144.4                         |                    | 65                           |
|                       | 70                           | 65.2                 | 144.9                         | 20,000*            | 68.3                 | 144.2                         | 20,000*            | 71.3                 | 142.2                         |                    | 70                           |
|                       | 80                           | 61.0                 | 139.7                         | 20,000*            | 64.1                 | 139.0                         | 20,000*            | 67.0                 | 137.0                         |                    | 80                           |
| 110                   | 90                           | 56.5                 | 133.6                         | 20,000*            | 59.6                 | 132.8                         | 20,000*            | 62.5                 | 130.0                         |                    | 90                           |
|                       | 100                          | 51.9                 | 126.2                         | 20,000*            | 54.9                 | 125.4                         | 20,000*            | 57.7                 | 123.3                         |                    | 100                          |
|                       | 110                          | 46.9                 | 117.5                         | 20,000*            | 49.9                 | 116.6                         | 20,000*            | 52.6                 | 114.4                         |                    | 110                          |
|                       | 120                          | 41.5                 | 107.1                         | 20,000*            | 44.4                 | 106.1                         | 20,000*            |                      |                               |                    | 120                          |
|                       | 130                          | 35.3                 | 94.2                          | 19,100             |                      |                               |                    |                      |                               |                    | 130                          |
|                       | 35                           | 79.8                 | 166.7                         | 20,000*            |                      |                               |                    |                      |                               |                    | 35                           |
|                       | 40                           | 78.0                 | 165.7                         | 20,000*            | 81.0                 | 165.0                         | 20,000*            |                      |                               |                    | 40                           |
|                       | 45                           | 76.1                 | 164.5                         | 20,000*            | 79.1                 | 163.8                         | 20,000*            |                      |                               |                    | 45                           |
|                       | 50                           | 74.3                 | 163.1                         | 20,000*            | 77.3                 | 162.4                         | 20,000*            | 80.2                 | 160.0                         |                    | 50                           |
|                       | 55                           | 72.5                 | 161.6                         | 20,000*            | 75.4                 | 160.9                         | 20,000*            | 78.3                 | 158.0                         |                    | 55                           |
|                       | 60                           | 70.6                 | 159.9                         | 20,000*            | 73.6                 | 159.2                         | 20,000*            | 76.4                 | 156.0                         |                    | 60                           |
|                       | 65                           | 68.7                 | 158.0                         | 20,000*            | 71.7                 | 157.3                         | 20,000*            | 74.5                 | 154.0                         |                    | 65                           |
| 120                   | 70                           | 66.8                 | 155.9                         | 20,000*            | 69.8                 | 155.2                         | 20,000*            | 72.6                 | 151.0                         |                    | 70                           |
|                       | 80                           | 62.9                 | 151.1                         | 20,000*            | 65.8                 | 150.4                         | 20,000*            | 68.6                 | 146.0                         |                    | 80                           |
|                       | 90                           | 58.9                 | 145.4                         | 20,000*            | 61.8                 | 144.7                         | 20,000*            | 64.5                 | 140.0                         |                    | 90                           |
|                       | 100                          | 54.6                 | 138.8                         | 20,000*            | 57.5                 | 138.0                         | 20,000*            | 60.1                 | 133.0                         |                    | 100                          |
|                       | 110                          | 50.1                 | 130.9                         | 20,000*            | 53.0                 | 130.1                         | 20,000*            | 55.5                 | 123.0                         |                    | 110                          |
|                       | 120                          | 45.3                 | 121.7                         | 20,000*            | 48.1                 | 120.8                         | 20,000*            |                      |                               |                    | 120                          |
|                       | 130                          | 40.1                 | 110.7                         | 18,500             | 42.9                 | 109.7                         | 18,800             |                      |                               |                    | 130                          |
|                       | 140                          | 34.2                 | 97.3                          | 16,500             |                      |                               |                    |                      |                               |                    | 140                          |
|                       | 35                           | 80.4                 | 176.9                         | 20,000*            |                      |                               |                    |                      |                               |                    | 35                           |
|                       | 40                           | 78.7                 | 175.9                         | 20,000*            |                      |                               |                    |                      |                               |                    | 40                           |
|                       | 45                           | 77.0                 | 174.8                         | 20,000*            | 79.8                 | 174.1                         | 20,000*            |                      |                               |                    | 45                           |
|                       | 50                           | 75.3                 | 173.5                         | 20,000*            | 78.1                 | 172.8                         | 20,000*            | 80.8                 | 170.0                         |                    | 50                           |
| 130                   | 55                           | 73.5                 | 172.1                         | 20,000*            | 76.3                 | 171.4                         | 20,000*            | 79.1                 | 168.0                         |                    | 55                           |
|                       | 60                           | 71.8                 | 170.5                         | 20,000*            | 74.6                 | 169.7                         | 20,000*            | 77.3                 | 165.0                         |                    | 60                           |
|                       | 65                           | 70.0                 | 168.7                         | 20,000*            | 72.8                 | 168.0                         | 20,000*            | 75.5                 | 161.0                         |                    | 65                           |
|                       | 70                           | 68.2                 | 166.7                         | 20,000*            | 71.0                 | 166.0                         | 20,000*            | 73.7                 | 162.0                         |                    | 70                           |
|                       | 80                           | 64.6                 | 162.3                         | 20,000*            | 67.4                 | 161.5                         | 20,000*            | 70.0                 | 157.0                         |                    | 80                           |
|                       | 90                           | 60.9                 | 157.0                         | 20,000*            | 63.6                 | 156.3                         | 20,000*            | 66.2                 | 152.0                         |                    | 90                           |
|                       | 100                          | 57.0                 | 150.9                         | 20,000*            | 59.7                 | 150.1                         | 20,000*            | 62.2                 | 146.0                         |                    | 100                          |
|                       | 110                          | 52.9                 | 143.8                         | 20,000*            | 55.6                 | 142.9                         | 20,000*            | 58.0                 | 139.0                         |                    | 110                          |
|                       | 120                          | 48.6                 | 135.5                         | 20,000*            | 51.2                 | 134.6                         | 20,000*            | 53.6                 | 130.0                         |                    | 120                          |
|                       | 130                          | 43.9                 | 125.8                         | 18,100             | 46.5                 | 124.8                         | 18,500             |                      |                               |                    | 130                          |
|                       | 140                          | 38.9                 | 114.3                         | 16,100             | 41.4                 | 113.2                         | 16,400             |                      |                               |                    | 140                          |
|                       | 150                          | 33.1                 | 100.3                         | 14,300             |                      |                               |                    |                      |                               |                    | 150                          |

# MANITOWOC ENGINEERING CO.

Division of The Manitowoc Company, Inc. Manitowoc, Wisconsin 54220



## LIFTCRANE JIB CAPACITIES

JIB NO. 123 WITH 12'6" STRUT ON  
BOOM NO. 39 WITH OPEN THROAT TOP  
102,400 LB. COUNTERWEIGHT  
24' CRAWLERS EXTENDED

MEETS  
ANSI B30.5  
REQUIREMENTS

3950W

### 50 FOOT JIB

| BOOM<br>LGTH.<br>FEET | JIB<br>OPER.<br>RAD.<br>FEET | 0 DEGREE OFFSET      |                               |                    | 10 DEGREE OFFSET     |                               |                    | 20 DEGREE OFFSET     |                               |                    | JIB<br>OPER.<br>RAD.<br>FEET |
|-----------------------|------------------------------|----------------------|-------------------------------|--------------------|----------------------|-------------------------------|--------------------|----------------------|-------------------------------|--------------------|------------------------------|
|                       |                              | BOOM<br>ANG.<br>DEG. | JIB<br>POINT<br>ELEV.<br>FEET | CAPACITY<br>POUNDS | BOOM<br>ANG.<br>DEG. | JIB<br>POINT<br>ELEV.<br>FEET | CAPACITY<br>POUNDS | BOOM<br>ANG.<br>DEG. | JIB<br>POINT<br>ELEV.<br>FEET | CAPACITY<br>POUNDS |                              |
| 170                   | 45                           | 79.9                 | 225.9                         | 20,000*            |                      |                               |                    |                      |                               |                    | 45                           |
|                       | 50                           | 78.6                 | 224.9                         | 20,000*            | 80.8                 | 224.1                         | 20,000*            |                      |                               |                    | 50                           |
|                       | 55                           | 77.3                 | 223.8                         | 20,000*            | 79.5                 | 223.0                         | 20,000*            |                      |                               |                    | 55                           |
|                       | 60                           | 76.0                 | 222.6                         | 20,000*            | 78.1                 | 221.8                         | 20,000*            | 80.3                 | 219.8                         | 20,000*            | 60                           |
|                       | 65                           | 74.6                 | 221.2                         | 20,000*            | 76.8                 | 220.5                         | 20,000*            | 78.9                 | 218.4                         | 20,000*            | 65                           |
|                       | 70                           | 73.3                 | 219.8                         | 20,000*            | 75.5                 | 219.0                         | 20,000*            | 77.6                 | 216.9                         | 20,000*            | 70                           |
|                       | 80                           | 70.6                 | 216.4                         | 20,000*            | 72.7                 | 215.7                         | 20,000*            | 74.8                 | 213.6                         | 20,000*            | 80                           |
|                       | 90                           | 67.8                 | 212.6                         | 20,000*            | 70.0                 | 211.8                         | 20,000*            | 72.0                 | 209.7                         | 20,000*            | 90                           |
|                       | 100                          | 65.0                 | 208.2                         | 20,000*            | 67.1                 | 207.3                         | 20,000*            | 69.1                 | 205.2                         | 20,000*            | 100                          |
|                       | 110                          | 62.1                 | 203.1                         | 20,000*            | 64.2                 | 202.3                         | 20,000*            | 66.2                 | 200.0                         | 20,000*            | 110                          |
|                       | 120                          | 59.2                 | 197.4                         | 18,500             | 61.3                 | 196.6                         | 19,100             | 63.2                 | 194.3                         | 19,700             | 120                          |
|                       | 130                          | 56.1                 | 191.0                         | 16,100             | 58.2                 | 190.1                         | 16,600             | 60.1                 | 187.7                         | 17,100             | 130                          |
|                       | 140                          | 52.9                 | 183.8                         | 14,000             | 55.0                 | 182.9                         | 14,500             | 56.9                 | 180.4                         | 15,000             | 140                          |
|                       | 150                          | 49.6                 | 175.7                         | 12,300             | 51.7                 | 174.7                         | 12,700             | 53.5                 | 172.1                         | 13,100             | 150                          |
|                       | 160                          | 46.1                 | 166.5                         | 10,800             | 48.2                 | 165.5                         | 11,100             |                      |                               |                    | 160                          |
| 180                   | 45                           | 80.4                 | 236.0                         | 20,000*            |                      |                               |                    |                      |                               |                    | 45                           |
|                       | 50                           | 79.1                 | 235.1                         | 20,000*            |                      |                               |                    |                      |                               |                    | 50                           |
|                       | 55                           | 77.9                 | 234.0                         | 20,000*            | 79.9                 | 233.3                         | 20,000*            |                      |                               |                    | 55                           |
|                       | 60                           | 76.6                 | 232.9                         | 20,000*            | 78.7                 | 232.1                         | 20,000*            | 80.7                 | 230.1                         | 20,000*            | 60                           |
|                       | 65                           | 75.3                 | 231.6                         | 20,000*            | 77.4                 | 230.8                         | 20,000*            | 79.4                 | 228.8                         | 20,000*            | 65                           |
|                       | 70                           | 74.0                 | 230.2                         | 20,000*            | 76.1                 | 229.4                         | 20,000*            | 78.1                 | 227.3                         | 20,000*            | 70                           |
|                       | 80                           | 71.5                 | 227.0                         | 20,000*            | 73.5                 | 226.2                         | 20,000*            | 75.5                 | 224.1                         | 20,000*            | 80                           |
|                       | 90                           | 68.8                 | 223.4                         | 20,000*            | 70.9                 | 222.6                         | 20,000*            | 72.8                 | 220.4                         | 20,000*            | 90                           |
|                       | 100                          | 66.2                 | 219.2                         | 20,000*            | 68.2                 | 218.3                         | 20,000*            | 70.1                 | 216.2                         | 20,000*            | 100                          |
|                       | 110                          | 63.4                 | 214.4                         | 20,000*            | 65.5                 | 213.5                         | 20,000*            | 67.4                 | 211.3                         | 20,000*            | 110                          |
|                       | 120                          | 60.6                 | 209.0                         | 18,100             | 62.6                 | 208.1                         | 18,800             | 64.5                 | 205.9                         | 19,400             | 120                          |
|                       | 130                          | 57.8                 | 203.0                         | 15,700             | 59.8                 | 202.1                         | 16,300             | 61.6                 | 199.7                         | 16,800             | 130                          |
|                       | 140                          | 54.8                 | 196.2                         | 13,700             | 56.8                 | 195.3                         | 14,200             | 58.6                 | 192.9                         | 14,700             | 140                          |
|                       | 150                          | 51.7                 | 188.7                         | 11,900             | 53.7                 | 187.7                         | 12,400             | 55.4                 | 185.2                         | 12,800             | 150                          |
|                       | 160                          | 48.5                 | 180.2                         | 10,400             | 50.4                 | 179.2                         | 10,800             | 52.1                 | 176.5                         | 11,200             | 160                          |
| 190                   | 45                           | 80.8                 | 246.2                         | 20,000*            |                      |                               |                    |                      |                               |                    | 45                           |
|                       | 50                           | 79.6                 | 245.3                         | 20,000*            |                      |                               |                    |                      |                               |                    | 50                           |
|                       | 55                           | 78.4                 | 244.3                         | 20,000*            | 80.4                 | 243.5                         | 20,000*            |                      |                               |                    | 55                           |
|                       | 60                           | 77.2                 | 243.2                         | 20,000*            | 79.2                 | 242.4                         | 20,000*            |                      |                               |                    | 60                           |
|                       | 65                           | 75.9                 | 241.9                         | 20,000*            | 77.9                 | 241.1                         | 20,000*            | 79.9                 | 239.1                         | 20,000*            | 65                           |
|                       | 70                           | 74.7                 | 240.6                         | 20,000*            | 76.7                 | 239.8                         | 20,000*            | 78.6                 | 237.7                         | 20,000*            | 70                           |
|                       | 80                           | 72.3                 | 237.6                         | 20,000*            | 74.2                 | 236.8                         | 20,000*            | 76.1                 | 234.7                         | 20,000*            | 80                           |
|                       | 90                           | 69.7                 | 234.1                         | 20,000*            | 71.7                 | 233.3                         | 20,000*            | 73.6                 | 231.1                         | 20,000*            | 90                           |
|                       | 100                          | 67.2                 | 230.1                         | 20,000*            | 69.2                 | 229.2                         | 20,000*            | 71.0                 | 227.1                         | 20,000*            | 100                          |
|                       | 110                          | 64.6                 | 225.5                         | 20,000*            | 66.6                 | 224.7                         | 20,000*            | 68.4                 | 222.5                         | 20,000*            | 110                          |
|                       | 120                          | 62.0                 | 220.4                         | 17,600             | 63.9                 | 219.6                         | 18,300             | 65.7                 | 217.3                         | 19,000             | 120                          |
|                       | 130                          | 59.2                 | 214.7                         | 15,200             | 61.2                 | 213.9                         | 15,900             | 62.9                 | 211.5                         | 16,400             | 130                          |
|                       | 140                          | 56.4                 | 208.4                         | 13,200             | 58.3                 | 207.5                         | 13,800             | 60.1                 | 205.0                         | 14,300             | 140                          |
|                       | 150                          | 53.5                 | 201.3                         | 11,500             | 55.4                 | 200.4                         | 11,900             | 57.1                 | 197.8                         | 12,400             | 150                          |
|                       | 160                          | 50.5                 | 193.4                         | 9,900              | 52.4                 | 192.4                         | 10,400             | 54.1                 | 189.8                         | 10,800             | 160                          |
| 210                   | 170                          | 47.4                 | 184.6                         | 8,600              | 49.3                 | 183.6                         | 9,000              |                      |                               |                    | 170                          |
|                       | 180                          | 44.1                 | 174.8                         | 7,400              | 45.9                 | 173.7                         | 7,800              |                      |                               |                    | 180                          |
|                       | 190                          | 40.5                 | 163.7                         | 6,400              | 42.4                 | 162.5                         | 6,700              |                      |                               |                    | 190                          |
|                       | 200                          | 36.7                 | 151.0                         | 5,400              |                      |                               |                    |                      |                               |                    | 200                          |
|                       | 210                          | 32.5                 | 136.4                         | 4,600              |                      |                               |                    |                      |                               |                    | 210                          |

# MANITOWOC ENGINEERING CO.

Division of The Manitowoc Company, Inc. Manitowoc, Wisconsin 54220



## LIFTCRANE JIB CAPACITIES

JIB NO. 123 WITH 12'6" STRUT ON  
BOOM NO. 39 WITH OPEN THROAT TOP  
102,400 LB. COUNTERWEIGHT  
24' CRAWLERS EXTENDED

MEETS  
ANSI B30.5  
REQUIREMENTS

3950W

### 50 FOOT JIB

| BOOM<br>LGTH.<br>FEET | JIB<br>OPER.<br>RAD.<br>FEET | 0 DEGREE OFFSET      |                               |                    | 10 DEGREE OFFSET     |                               |                    | 20 DEGREE OFFSET     |                               |                    | JIB<br>OPER.<br>RAD.<br>FEET |
|-----------------------|------------------------------|----------------------|-------------------------------|--------------------|----------------------|-------------------------------|--------------------|----------------------|-------------------------------|--------------------|------------------------------|
|                       |                              | BOOM<br>ANG.<br>DEG. | JIB<br>POINT<br>ELEV.<br>FEET | CAPACITY<br>POUNDS | BOOM<br>ANG.<br>DEG. | JIB<br>POINT<br>ELEV.<br>FEET | CAPACITY<br>POUNDS | BOOM<br>ANG.<br>DEG. | JIB<br>POINT<br>ELEV.<br>FEET | CAPACITY<br>POUNDS |                              |
| 200                   | 50                           | 80.0                 | 255.4                         | 20,000*            |                      |                               |                    |                      |                               |                    | 50                           |
|                       | 55                           | 78.8                 | 254.5                         | 20,000*            | 80.8                 | 253.7                         | 20,000*            |                      |                               |                    | 55                           |
|                       | 60                           | 77.7                 | 253.4                         | 20,000*            | 79.6                 | 252.6                         | 20,000*            |                      |                               |                    | 60                           |
|                       | 65                           | 76.5                 | 252.2                         | 20,000*            | 78.4                 | 251.5                         | 20,000*            | 80.3                 | 249.4                         | 20,000*            | 65                           |
|                       | 70                           | 75.3                 | 251.0                         | 20,000*            | 77.2                 | 250.2                         | 20,000*            | 79.1                 | 248.1                         | 20,000*            | 70                           |
|                       | 80                           | 73.0                 | 248.1                         | 20,000*            | 74.9                 | 247.3                         | 20,000*            | 76.7                 | 245.1                         | 20,000*            | 80                           |
|                       | 90                           | 70.6                 | 244.7                         | 20,000*            | 72.5                 | 243.9                         | 20,000*            | 74.3                 | 241.8                         | 20,000*            | 90                           |
|                       | 100                          | 68.2                 | 240.9                         | 20,000*            | 70.0                 | 240.1                         | 20,000*            | 71.8                 | 237.9                         | 20,000*            | 100                          |
|                       | 110                          | 65.7                 | 236.6                         | 20,000*            | 67.6                 | 235.7                         | 20,000*            | 69.3                 | 233.5                         | 20,000*            | 110                          |
|                       | 120                          | 63.2                 | 231.7                         | 17,200             | 65.0                 | 230.9                         | 18,000             | 66.8                 | 228.6                         | 18,700             | 120                          |
|                       | 130                          | 60.6                 | 226.3                         | 14,800             | 62.4                 | 225.4                         | 15,500             | 64.1                 | 223.1                         | 16,100             | 130                          |
|                       | 140                          | 57.9                 | 220.3                         | 12,800             | 59.8                 | 219.4                         | 13,400             | 61.5                 | 217.0                         | 13,900             | 140                          |
|                       | 150                          | 55.2                 | 213.6                         | 11,000             | 57.0                 | 212.7                         | 11,600             | 58.7                 | 210.2                         | 12,000             | 150                          |
|                       | 160                          | 52.4                 | 206.3                         | 9,500              | 54.2                 | 205.3                         | 10,000             | 55.8                 | 202.7                         | 10,400             | 160                          |
|                       | 170                          | 49.4                 | 198.0                         | 8,200              | 51.2                 | 197.0                         | 8,600              | 52.8                 | 194.3                         | 9,000              | 170                          |
|                       | 180                          | 46.4                 | 188.9                         | 7,000              | 48.2                 | 187.9                         | 7,400              |                      |                               |                    | 180                          |
|                       | 190                          | 43.1                 | 178.7                         | 6,000              | 44.9                 | 177.6                         | 6,300              |                      |                               |                    | 190                          |
|                       | 200                          | 39.7                 | 167.3                         | 5,000              | 41.4                 | 166.1                         | 5,300              |                      |                               |                    | 200                          |
|                       | 210                          | 36.0                 | 154.3                         | 4,200              |                      |                               |                    |                      |                               |                    | 210                          |
| 210                   | 50                           | 80.4                 | 265.6                         | 20,000*            |                      |                               |                    |                      |                               |                    | 50                           |
|                       | 55                           | 79.3                 | 264.7                         | 20,000*            |                      |                               |                    |                      |                               |                    | 55                           |
|                       | 60                           | 78.2                 | 263.6                         | 20,000*            | 80.0                 | 262.9                         | 20,000*            |                      |                               |                    | 60                           |
|                       | 65                           | 77.0                 | 262.5                         | 20,000*            | 78.9                 | 261.7                         | 20,000*            | 80.7                 | 259.6                         | 20,000*            | 65                           |
|                       | 70                           | 75.9                 | 261.3                         | 20,000*            | 77.7                 | 260.5                         | 20,000*            | 79.5                 | 258.4                         | 20,000*            | 70                           |
|                       | 80                           | 73.6                 | 258.5                         | 20,000*            | 75.5                 | 257.7                         | 20,000*            | 77.2                 | 255.6                         | 20,000*            | 80                           |
|                       | 90                           | 71.4                 | 255.3                         | 20,000*            | 73.2                 | 254.5                         | 20,000*            | 74.9                 | 252.3                         | 20,000*            | 90                           |
|                       | 100                          | 69.0                 | 251.7                         | 20,000*            | 70.8                 | 250.8                         | 20,000*            | 72.6                 | 248.6                         | 20,000*            | 100                          |
|                       | 110                          | 66.7                 | 247.5                         | 19,800             | 68.5                 | 246.7                         | 20,000*            | 70.2                 | 244.5                         | 20,000*            | 110                          |
|                       | 120                          | 64.3                 | 242.9                         | 16,900             | 66.1                 | 242.1                         | 17,700             | 67.7                 | 239.8                         | 18,400             | 120                          |
|                       | 130                          | 61.8                 | 237.8                         | 14,500             | 63.6                 | 236.9                         | 15,200             | 65.2                 | 234.6                         | 15,800             | 130                          |
|                       | 140                          | 59.3                 | 232.1                         | 12,500             | 61.1                 | 231.2                         | 13,100             | 62.7                 | 228.8                         | 13,600             | 140                          |
|                       | 150                          | 56.7                 | 225.8                         | 10,700             | 58.5                 | 224.8                         | 11,300             | 60.1                 | 222.4                         | 11,800             | 150                          |
|                       | 160                          | 54.1                 | 218.8                         | 9,200              | 55.8                 | 217.8                         | 9,700              | 57.4                 | 215.3                         | 10,100             | 160                          |
|                       | 170                          | 51.3                 | 211.1                         | 7,800              | 53.0                 | 210.1                         | 8,300              | 54.6                 | 207.4                         | 8,700              | 170                          |
|                       | 180                          | 48.4                 | 202.6                         | 6,700              | 50.2                 | 201.5                         | 7,100              | 51.7                 | 198.8                         | 7,400              | 180                          |
|                       | 190                          | 45.4                 | 193.1                         | 5,600              | 47.1                 | 192.0                         | 6,000              |                      |                               |                    | 190                          |
|                       | 200                          | 42.3                 | 182.6                         | 4,700              | 44.0                 | 181.5                         | 5,000              |                      |                               |                    | 200                          |
| 220                   | 50                           | 80.7                 | 275.7                         | 20,000*            |                      |                               |                    |                      |                               |                    | 50                           |
|                       | 55                           | 79.7                 | 274.9                         | 20,000*            |                      |                               |                    |                      |                               |                    | 55                           |
|                       | 60                           | 78.6                 | 273.9                         | 20,000*            | 80.4                 | 273.1                         | 20,000*            |                      |                               |                    | 60                           |
|                       | 65                           | 77.5                 | 272.8                         | 20,000*            | 79.3                 | 272.0                         | 20,000*            |                      |                               |                    | 65                           |
|                       | 70                           | 76.4                 | 271.6                         | 20,000*            | 78.2                 | 270.8                         | 20,000*            | 79.9                 | 268.7                         | 20,000*            | 70                           |
|                       | 80                           | 74.3                 | 268.9                         | 20,000*            | 76.0                 | 268.1                         | 20,000*            | 77.7                 | 266.0                         | 20,000*            | 80                           |
|                       | 90                           | 72.1                 | 265.9                         | 20,000*            | 73.8                 | 265.0                         | 20,000*            | 75.5                 | 262.9                         | 20,000*            | 90                           |
|                       | 100                          | 69.8                 | 262.4                         | 20,000*            | 71.6                 | 261.5                         | 20,000*            | 73.2                 | 259.3                         | 20,000*            | 100                          |
|                       | 110                          | 67.6                 | 258.4                         | 19,400             | 69.3                 | 257.6                         | 20,000*            | 71.0                 | 255.3                         | 20,000*            | 110                          |
|                       | 120                          | 65.3                 | 254.0                         | 16,500             | 67.0                 | 253.1                         | 17,300             | 68.6                 | 250.9                         | 18,100             | 120                          |
|                       | 130                          | 62.9                 | 249.1                         | 14,100             | 64.7                 | 248.2                         | 14,800             | 66.3                 | 245.9                         | 15,500             | 130                          |
|                       | 140                          | 60.5                 | 243.7                         | 12,000             | 62.3                 | 242.8                         | 12,700             | 63.8                 | 240.4                         | 13,300             | 140                          |
|                       | 150                          | 58.1                 | 237.7                         | 10,300             | 59.8                 | 236.7                         | 10,900             | 61.3                 | 234.3                         | 11,400             | 150                          |
|                       | 160                          | 55.6                 | 231.1                         | 8,800              | 57.3                 | 230.1                         | 9,300              | 58.8                 | 227.6                         | 9,800              | 160                          |
|                       | 170                          | 53.0                 | 223.8                         | 7,400              | 54.7                 | 222.8                         | 7,900              | 56.1                 | 220.2                         | 8,300              | 170                          |
|                       | 180                          | 50.3                 | 215.8                         | 6,300              | 51.9                 | 214.8                         | 6,700              | 53.4                 | 212.1                         | 7,100              | 180                          |
|                       | 190                          | 47.5                 | 207.0                         | 5,200              | 49.1                 | 205.9                         | 5,600              |                      |                               |                    | 190                          |
|                       | 200                          | 44.5                 | 197.2                         | 4,300              | 46.2                 | 196.1                         | 4,600              |                      |                               |                    | 200                          |

# MANITOWOC ENGINEERING CO.

Division of The Manitowoc Company, Inc. Manitowoc, Wisconsin 54220



## LIFTCRANE JIB CAPACITIES

JIB NO. 123 WITH 12'6" STRUT ON  
BOOM NO. 39 WITH OPEN THROAT TOP  
102,400 LB. COUNTERWEIGHT  
24' CRAWLERS EXTENDED

MEETS  
ANSI B30.5  
REQUIREMENTS

3950W

### 50 FOOT JIB

| BOOM<br>LGTH.<br>FEET | JIB<br>OPER.<br>RAD.<br>FEET | 0 DEGREE OFFSET      |                               |                    | 10 DEGREE OFFSET     |                               |                    | 20 DEGREE OFFSET     |                               |                    | JIB<br>OPER.<br>RAD.<br>FEET |
|-----------------------|------------------------------|----------------------|-------------------------------|--------------------|----------------------|-------------------------------|--------------------|----------------------|-------------------------------|--------------------|------------------------------|
|                       |                              | BOOM<br>ANG.<br>DEG. | JIB<br>POINT<br>ELEV.<br>FEET | CAPACITY<br>POUNDS | BOOM<br>ANG.<br>DEG. | JIB<br>POINT<br>ELEV.<br>FEET | CAPACITY<br>POUNDS | BOOM<br>ANG.<br>DEG. | JIB<br>POINT<br>ELEV.<br>FEET | CAPACITY<br>POUNDS |                              |
| 230                   | 55                           | 80.0                 | 285.0                         | 20,000*            |                      |                               |                    |                      |                               |                    | 55                           |
|                       | 60                           | 79.0                 | 284.1                         | 20,000*            | 80.7                 | 283.3                         | 20,000*            |                      |                               |                    | 60                           |
|                       | 65                           | 78.0                 | 283.0                         | 20,000*            | 79.7                 | 282.2                         | 20,000*            |                      |                               |                    | 65                           |
|                       | 70                           | 76.9                 | 281.9                         | 20,000*            | 78.6                 | 281.1                         | 20,000*            | 80.3                 | 278.9                         | 20,000*            | 70                           |
|                       | 80                           | 74.8                 | 279.3                         | 20,000*            | 76.5                 | 278.5                         | 20,000*            | 78.2                 | 276.4                         | 20,000*            | 80                           |
|                       | 90                           | 72.7                 | 276.4                         | 20,000*            | 74.4                 | 275.5                         | 20,000*            | 76.0                 | 273.4                         | 20,000*            | 90                           |
|                       | 100                          | 70.6                 | 273.0                         | 20,000*            | 72.3                 | 272.2                         | 20,000*            | 73.9                 | 270.0                         | 20,000*            | 100                          |
|                       | 110                          | 68.4                 | 269.2                         | 19,000             | 70.1                 | 268.4                         | 20,000*            | 71.7                 | 266.1                         | 20,000*            | 110                          |
|                       | 120                          | 66.2                 | 265.0                         | 16,100             | 67.9                 | 264.1                         | 17,000             | 69.5                 | 261.8                         | 17,800             | 120                          |
|                       | 130                          | 64.0                 | 260.3                         | 13,700             | 65.6                 | 259.4                         | 14,500             | 67.2                 | 257.1                         | 15,200             | 130                          |
|                       | 140                          | 61.7                 | 255.1                         | 11,700             | 63.3                 | 254.2                         | 12,300             | 64.9                 | 251.8                         | 13,000             | 140                          |
|                       | 150                          | 59.3                 | 249.4                         | 9,900              | 61.0                 | 248.5                         | 10,500             | 62.5                 | 246.0                         | 11,100             | 150                          |
|                       | 160                          | 56.9                 | 243.1                         | 8,400              | 58.6                 | 242.2                         | 8,900              | 60.1                 | 239.7                         | 9,400              | 160                          |
|                       | 170                          | 54.5                 | 236.2                         | 7,100              | 56.1                 | 235.3                         | 7,600              | 57.6                 | 232.7                         | 8,000              | 170                          |
|                       | 180                          | 51.9                 | 228.7                         | 5,900              | 53.6                 | 227.7                         | 6,300              | 55.0                 | 225.0                         | 6,700              | 180                          |
|                       | 190                          | 49.3                 | 220.4                         | 4,800              | 50.9                 | 219.4                         | 5,200              | 52.3                 | 216.6                         | 5,600              | 190                          |
|                       | 200                          |                      |                               |                    | 48.2                 | 210.2                         | 4,300              |                      |                               |                    | 200                          |

REFERENCED ONLY

# MANITOWOC ENGINEERING CO.

Division of The Manitowoc Company, Inc. Manitowoc, Wisconsin 54220



## LIFT CRANE JIB CAPACITIES

JIB NO. 123 WITH 12'6" STRUT ON  
BOOM NO. 39 WITH OPEN THROAT TOP  
102,400 LB. COUNTERWEIGHT  
24' CRAWLERS EXTENDED

MEETS  
ANSI B30.5  
REQUIREMENTS

3950W

### 60 FOOT JIB

| BOOM<br>LGTH.<br>FEET | JIB<br>OPER.<br>RAD.<br>FEET | 0 DEGREE OFFSET      |                      |                    | 10 DEGREE OFFSET     |                      |                    | 20 DEGREE OFFSET     |                      |                    | JIB<br>OPER.<br>RAD.<br>FEET |
|-----------------------|------------------------------|----------------------|----------------------|--------------------|----------------------|----------------------|--------------------|----------------------|----------------------|--------------------|------------------------------|
|                       |                              | BOOM<br>ANG.<br>DEG. | JIB<br>ELEV.<br>FEET | CAPACITY<br>POUNDS | BOOM<br>ANG.<br>DEG. | JIB<br>ELEV.<br>FEET | CAPACITY<br>POUNDS | BOOM<br>ANG.<br>DEG. | JIB<br>ELEV.<br>FEET | CAPACITY<br>POUNDS |                              |
| 90                    | 30                           | 80.7                 | 157.4                | 10,000*            |                      |                      |                    |                      |                      |                    | 30                           |
|                       | 35                           | 78.7                 | 156.5                | 10,000*            |                      |                      |                    |                      |                      |                    | 35                           |
|                       | 40                           | 76.8                 | 155.4                | 10,000*            | 80.7                 | 154.8                | 10,000*            |                      |                      |                    | 40                           |
|                       | 45                           | 74.9                 | 154.1                | 10,000*            | 78.7                 | 153.5                | 10,000*            |                      |                      |                    | 45                           |
|                       | 50                           | 72.9                 | 152.7                | 10,000*            | 76.7                 | 152.1                | 10,000*            | 80.5                 | 150.3                | 10,000*            | 50                           |
|                       | 55                           | 70.9                 | 151.0                | 10,000*            | 74.8                 | 150.4                | 10,000*            | 78.5                 | 148.6                | 10,000*            | 55                           |
|                       | 60                           | 68.9                 | 149.2                | 10,000*            | 72.8                 | 148.6                | 10,000*            | 76.5                 | 146.7                | 10,000*            | 60                           |
|                       | 65                           | 66.9                 | 147.2                | 10,000*            | 70.7                 | 146.5                | 10,000*            | 74.4                 | 144.7                | 10,000*            | 65                           |
|                       | 70                           | 64.9                 | 144.9                | 10,000*            | 68.6                 | 144.3                | 10,000*            | 72.3                 | 142.4                | 10,000*            | 70                           |
|                       | 80                           | 60.6                 | 139.7                | 10,000*            | 64.4                 | 139.1                | 10,000*            | 68.0                 | 137.1                | 10,000*            | 80                           |
|                       | 90                           | 56.2                 | 133.6                | 10,000*            | 60.0                 | 132.9                | 10,000*            | 63.5                 | 130.8                | 10,000*            | 90                           |
|                       | 100                          | 51.5                 | 126.2                | 10,000*            | 55.3                 | 125.5                | 10,000*            | 58.7                 | 123.3                | 10,000*            | 100                          |
|                       | 110                          | 46.6                 | 117.5                | 10,000*            | 50.2                 | 116.7                | 10,000*            | 53.6                 | 114.3                | 10,000*            | 110                          |
|                       | 120                          | 41.1                 | 107.1                | 10,000*            | 44.8                 | 106.2                | 10,000*            |                      |                      |                    | 120                          |
|                       | 130                          | 35.0                 | 94.2                 | 10,000*            |                      |                      |                    |                      |                      |                    | 130                          |
| 100                   | 35                           | 79.4                 | 166.7                | 10,000*            |                      |                      |                    |                      |                      |                    | 35                           |
|                       | 40                           | 77.6                 | 165.7                | 10,000*            |                      |                      |                    |                      |                      |                    | 40                           |
|                       | 45                           | 75.8                 | 164.5                | 10,000*            | 79.4                 | 163.9                | 10,000*            |                      |                      |                    | 45                           |
|                       | 50                           | 74.0                 | 163.1                | 10,000*            | 77.6                 | 162.5                | 10,000*            |                      |                      |                    | 50                           |
|                       | 55                           | 72.2                 | 161.6                | 10,000*            | 75.7                 | 161.0                | 10,000*            | 79.3                 | 159.1                | 10,000*            | 55                           |
|                       | 60                           | 70.3                 | 159.9                | 10,000*            | 73.9                 | 159.2                | 10,000*            | 77.4                 | 157.3                | 10,000*            | 60                           |
|                       | 65                           | 68.4                 | 158.0                | 10,000*            | 72.0                 | 157.3                | 10,000*            | 75.5                 | 155.4                | 10,000*            | 65                           |
|                       | 70                           | 66.5                 | 155.9                | 10,000*            | 70.1                 | 155.2                | 10,000*            | 73.5                 | 153.3                | 10,000*            | 70                           |
|                       | 80                           | 62.6                 | 151.1                | 10,000*            | 66.1                 | 150.4                | 10,000*            | 69.5                 | 148.4                | 10,000*            | 80                           |
|                       | 90                           | 58.5                 | 145.4                | 10,000*            | 62.1                 | 144.7                | 10,000*            | 65.4                 | 142.6                | 10,000*            | 90                           |
|                       | 100                          | 54.3                 | 138.8                | 10,000*            | 57.8                 | 138.0                | 10,000*            | 61.1                 | 135.8                | 10,000*            | 100                          |
|                       | 110                          | 49.8                 | 131.0                | 10,000*            | 53.3                 | 130.2                | 10,000*            | 56.5                 | 127.8                | 10,000*            | 110                          |
|                       | 120                          | 45.0                 | 121.7                | 10,000*            | 48.5                 | 120.9                | 10,000*            | 51.6                 | 118.3                | 10,000*            | 120                          |
|                       | 130                          | 39.8                 | 110.7                | 10,000*            | 43.2                 | 109.8                | 10,000*            |                      |                      |                    | 130                          |
|                       | 140                          | 33.9                 | 97.3                 | 10,000*            |                      |                      |                    |                      |                      |                    | 140                          |
| 110                   | 35                           | 80.1                 | 176.9                | 10,000*            |                      |                      |                    |                      |                      |                    | 35                           |
|                       | 40                           | 78.4                 | 175.9                | 10,000*            |                      |                      |                    |                      |                      |                    | 40                           |
|                       | 45                           | 76.7                 | 174.8                | 10,000*            | 80.1                 | 174.1                | 10,000*            |                      |                      |                    | 45                           |
|                       | 50                           | 75.0                 | 173.5                | 10,000*            | 78.3                 | 172.9                | 10,000*            |                      |                      |                    | 50                           |
|                       | 55                           | 73.2                 | 172.1                | 10,000*            | 76.6                 | 171.4                | 10,000*            | 79.9                 | 169.5                | 10,000*            | 55                           |
|                       | 60                           | 71.5                 | 170.5                | 10,000*            | 74.9                 | 169.8                | 10,000*            | 78.2                 | 167.9                | 10,000*            | 60                           |
|                       | 65                           | 69.7                 | 168.7                | 10,000*            | 73.1                 | 168.0                | 10,000*            | 76.4                 | 166.1                | 10,000*            | 65                           |
|                       | 70                           | 67.9                 | 166.8                | 10,000*            | 71.3                 | 166.1                | 10,000*            | 74.6                 | 164.1                | 10,000*            | 70                           |
|                       | 80                           | 64.3                 | 162.3                | 10,000*            | 67.6                 | 161.6                | 10,000*            | 70.9                 | 159.6                | 10,000*            | 80                           |
|                       | 90                           | 60.6                 | 157.1                | 10,000*            | 63.9                 | 156.3                | 10,000*            | 67.0                 | 154.2                | 10,000*            | 90                           |
|                       | 100                          | 56.7                 | 150.9                | 10,000*            | 60.0                 | 150.2                | 10,000*            | 63.1                 | 148.0                | 10,000*            | 100                          |
|                       | 110                          | 52.6                 | 143.8                | 10,000*            | 55.9                 | 143.0                | 10,000*            | 58.9                 | 140.7                | 10,000*            | 110                          |
|                       | 120                          | 48.3                 | 135.5                | 10,000*            | 51.5                 | 134.7                | 10,000*            | 54.5                 | 132.2                | 10,000*            | 120                          |
|                       | 130                          | 43.6                 | 125.8                | 10,000*            | 46.8                 | 124.9                | 10,000*            |                      |                      |                    | 130                          |
|                       | 140                          | 38.6                 | 114.3                | 10,000*            | 41.7                 | 113.3                | 10,000*            |                      |                      |                    | 140                          |
|                       | 150                          | 32.9                 | 100.3                | 10,000*            |                      |                      |                    |                      |                      |                    | 150                          |
| 120                   | 35                           | 80.6                 | 187.0                | 10,000*            |                      |                      |                    |                      |                      |                    | 35                           |
|                       | 40                           | 79.0                 | 186.1                | 10,000*            |                      |                      |                    |                      |                      |                    | 40                           |
|                       | 45                           | 77.4                 | 185.0                | 10,000*            | 80.6                 | 184.4                | 10,000*            |                      |                      |                    | 45                           |
|                       | 50                           | 75.8                 | 183.8                | 10,000*            | 79.0                 | 183.2                | 10,000*            |                      |                      |                    | 50                           |
|                       | 55                           | 74.2                 | 182.5                | 10,000*            | 77.4                 | 181.8                | 10,000*            | 80.5                 | 179.9                | 10,000*            | 55                           |
|                       | 60                           | 72.5                 | 181.0                | 10,000*            | 75.7                 | 180.3                | 10,000*            | 78.8                 | 178.3                | 10,000*            | 60                           |
|                       | 65                           | 70.9                 | 179.3                | 10,000*            | 74.1                 | 178.7                | 10,000*            | 77.2                 | 176.6                | 10,000*            | 65                           |
|                       | 70                           | 69.2                 | 177.5                | 10,000*            | 72.4                 | 176.8                | 10,000*            | 75.5                 | 174.8                | 10,000*            | 70                           |
|                       | 80                           | 65.8                 | 173.3                | 10,000*            | 69.0                 | 172.6                | 10,000*            | 72.0                 | 170.5                | 10,000*            | 80                           |
|                       | 90                           | 62.3                 | 168.5                | 10,000*            | 65.5                 | 167.7                | 10,000*            | 68.5                 | 165.6                | 10,000*            | 90                           |
|                       | 100                          | 58.7                 | 162.8                | 10,000*            | 61.8                 | 162.0                | 10,000*            | 64.8                 | 159.8                | 10,000*            | 100                          |
|                       | 110                          | 54.9                 | 156.2                | 10,000*            | 58.1                 | 155.4                | 10,000*            | 60.9                 | 153.1                | 10,000*            | 110                          |
|                       | 120                          | 51.0                 | 148.6                | 10,000*            | 54.1                 | 147.8                | 10,000*            | 56.9                 | 145.4                | 10,000*            | 120                          |
|                       | 130                          | 46.8                 | 139.9                | 10,000*            | 49.9                 | 139.0                | 10,000*            | 52.6                 | 136.4                | 10,000*            | 130                          |
|                       | 140                          | 42.4                 | 129.7                | 10,000*            | 45.4                 | 128.8                | 10,000*            |                      |                      |                    | 140                          |
|                       | 150                          | 37.4                 | 117.7                | 10,000*            | 40.4                 | 116.7                | 10,000*            |                      |                      |                    | 150                          |
|                       | 160                          | 31.9                 | 103.2                | 10,000*            |                      |                      |                    |                      |                      |                    | 160                          |

# MANITOWOC ENGINEERING CO.

Division of The Manitowoc Company, Inc. Manitowoc, Wisconsin 54220



## LIFTCRANE JIB CAPACITIES

JIB NO. 123 WITH 12'6" STRUT ON  
BOOM NO. 39 WITH OPEN THROAT TOP  
102,400 LB. COUNTERWEIGHT  
24' CRAWLERS EXTENDED

MEETS  
ANSI B30.5  
REQUIREMENTS

3950W

### 60 FOOT JIB

| BOOM<br>LGTH.<br>FEET | JIB<br>OPER.<br>RAD.<br>FEET | 0 DEGREE OFFSET      |                               |                    | 10 DEGREE OFFSET     |                               |                    | 20 DEGREE OFFSET     |                               |                    | JIB<br>OPER.<br>RAD.<br>FEET |
|-----------------------|------------------------------|----------------------|-------------------------------|--------------------|----------------------|-------------------------------|--------------------|----------------------|-------------------------------|--------------------|------------------------------|
|                       |                              | BOOM<br>ANG.<br>DEG. | JIB<br>POINT<br>ELEV.<br>FEET | CAPACITY<br>POUNDS | BOOM<br>ANG.<br>DEG. | JIB<br>POINT<br>ELEV.<br>FEET | CAPACITY<br>POUNDS | BOOM<br>ANG.<br>DEG. | JIB<br>POINT<br>ELEV.<br>FEET | CAPACITY<br>POUNDS |                              |
| 130                   | 40                           | 79.6                 | 196.3                         | 10,000*            |                      |                               |                    |                      |                               |                    | 40                           |
|                       | 45                           | 78.1                 | 195.3                         | 10,000*            |                      |                               |                    |                      |                               |                    | 45                           |
|                       | 50                           | 76.5                 | 194.2                         | 10,000*            | 79.6                 | 193.5                         | 10,000*            |                      |                               |                    | 50                           |
|                       | 55                           | 75.0                 | 192.9                         | 10,000*            | 78.0                 | 192.2                         | 10,000*            |                      |                               |                    | 55                           |
|                       | 60                           | 73.5                 | 191.5                         | 10,000*            | 76.5                 | 190.8                         | 10,000*            | 79.5                 | 188.7                         | 10,000*            | 60                           |
|                       | 65                           | 71.9                 | 189.9                         | 10,000*            | 74.9                 | 189.2                         | 10,000*            | 77.9                 | 187.1                         | 10,000*            | 65                           |
|                       | 70                           | 70.3                 | 188.2                         | 10,000*            | 73.3                 | 187.5                         | 10,000*            | 76.3                 | 185.4                         | 10,000*            | 70                           |
|                       | 80                           | 67.1                 | 184.3                         | 10,000*            | 70.1                 | 183.5                         | 10,000*            | 73.0                 | 181.4                         | 10,000*            | 80                           |
|                       | 90                           | 63.9                 | 179.7                         | 10,000*            | 66.8                 | 179.0                         | 10,000*            | 69.7                 | 176.8                         | 10,000*            | 90                           |
|                       | 100                          | 60.5                 | 174.4                         | 10,000*            | 63.5                 | 173.6                         | 10,000*            | 66.3                 | 171.4                         | 10,000*            | 100                          |
|                       | 110                          | 57.0                 | 168.3                         | 10,000*            | 60.0                 | 167.5                         | 10,000*            | 62.7                 | 165.2                         | 10,000*            | 110                          |
|                       | 120                          | 53.4                 | 161.3                         | 10,000*            | 56.3                 | 160.5                         | 10,000*            | 59.0                 | 158.1                         | 10,000*            | 120                          |
|                       | 130                          | 49.6                 | 153.3                         | 10,000*            | 52.5                 | 152.5                         | 10,000*            | 55.1                 | 149.9                         | 10,000*            | 130                          |
|                       | 140                          | 45.5                 | 144.1                         | 10,000*            | 48.4                 | 143.2                         | 10,000*            | 51.0                 | 140.5                         | 10,000*            | 140                          |
|                       | 150                          | 41.2                 | 133.5                         | 10,000*            | 44.0                 | 132.5                         | 10,000*            |                      |                               |                    | 150                          |
|                       | 160                          | 36.4                 | 121.0                         | 10,000*            |                      |                               |                    |                      |                               |                    | 160                          |
|                       | 170                          | 31.0                 | 106.0                         | 10,000*            |                      |                               |                    |                      |                               |                    | 170                          |
| 140                   | 40                           | 80.1                 | 206.4                         | 10,000*            |                      |                               |                    |                      |                               |                    | 40                           |
|                       | 45                           | 78.7                 | 205.5                         | 10,000*            |                      |                               |                    |                      |                               |                    | 45                           |
|                       | 50                           | 77.2                 | 204.4                         | 10,000*            | 80.1                 | 203.7                         | 10,000*            |                      |                               |                    | 50                           |
|                       | 55                           | 75.8                 | 203.2                         | 10,000*            | 78.6                 | 202.5                         | 10,000*            |                      |                               |                    | 55                           |
|                       | 60                           | 74.3                 | 201.9                         | 10,000*            | 77.2                 | 201.2                         | 10,000*            | 80.0                 | 199.1                         | 10,000*            | 60                           |
|                       | 65                           | 72.8                 | 200.4                         | 10,000*            | 75.7                 | 199.7                         | 10,000*            | 78.5                 | 197.6                         | 10,000*            | 65                           |
|                       | 70                           | 71.3                 | 198.8                         | 10,000*            | 74.2                 | 198.1                         | 10,000*            | 77.0                 | 195.9                         | 10,000*            | 70                           |
|                       | 80                           | 68.3                 | 195.1                         | 10,000*            | 71.2                 | 194.4                         | 10,000*            | 73.9                 | 192.2                         | 10,000*            | 80                           |
|                       | 90                           | 65.2                 | 190.8                         | 10,000*            | 68.1                 | 190.0                         | 10,000*            | 70.8                 | 187.8                         | 10,000*            | 90                           |
|                       | 100                          | 62.1                 | 185.8                         | 10,000*            | 64.9                 | 185.0                         | 10,000*            | 67.6                 | 182.8                         | 10,000*            | 100                          |
|                       | 110                          | 58.8                 | 180.1                         | 10,000*            | 61.6                 | 179.3                         | 10,000*            | 64.3                 | 177.0                         | 10,000*            | 110                          |
|                       | 120                          | 55.5                 | 173.6                         | 10,000*            | 58.3                 | 172.8                         | 10,000*            | 60.8                 | 170.4                         | 10,000*            | 120                          |
|                       | 130                          | 51.9                 | 166.3                         | 10,000*            | 54.7                 | 165.4                         | 10,000*            | 57.3                 | 162.9                         | 10,000*            | 130                          |
|                       | 140                          | 48.2                 | 157.9                         | 10,000*            | 51.0                 | 157.0                         | 10,000*            | 53.5                 | 154.3                         | 10,000*            | 140                          |
|                       | 150                          | 44.3                 | 148.3                         | 10,000*            | 47.1                 | 147.3                         | 10,000*            |                      |                               |                    | 150                          |
|                       | 160                          | 40.1                 | 137.2                         | 10,000*            | 42.8                 | 136.2                         | 10,000*            |                      |                               |                    | 160                          |
|                       | 170                          | 35.5                 | 124.3                         | 10,000*            |                      |                               |                    |                      |                               |                    | 170                          |
| 150                   | 40                           | 80.6                 | 216.6                         | 10,000*            |                      |                               |                    |                      |                               |                    | 40                           |
|                       | 45                           | 79.2                 | 215.7                         | 10,000*            |                      |                               |                    |                      |                               |                    | 45                           |
|                       | 50                           | 77.8                 | 214.7                         | 10,000*            | 80.6                 | 214.0                         | 10,000*            |                      |                               |                    | 50                           |
|                       | 55                           | 76.5                 | 213.5                         | 10,000*            | 79.2                 | 212.8                         | 10,000*            |                      |                               |                    | 55                           |
|                       | 60                           | 75.1                 | 212.2                         | 10,000*            | 77.8                 | 211.5                         | 10,000*            | 80.5                 | 209.4                         | 10,000*            | 60                           |
|                       | 65                           | 73.7                 | 210.8                         | 10,000*            | 76.4                 | 210.1                         | 10,000*            | 79.1                 | 208.0                         | 10,000*            | 65                           |
|                       | 70                           | 72.2                 | 209.3                         | 10,000*            | 75.0                 | 208.6                         | 10,000*            | 77.6                 | 206.4                         | 10,000*            | 70                           |
|                       | 80                           | 69.4                 | 205.8                         | 10,000*            | 72.1                 | 205.1                         | 10,000*            | 74.7                 | 202.9                         | 10,000*            | 80                           |
|                       | 90                           | 66.5                 | 201.7                         | 10,000*            | 69.2                 | 201.0                         | 10,000*            | 71.8                 | 198.8                         | 10,000*            | 90                           |
|                       | 100                          | 63.5                 | 197.0                         | 10,000*            | 66.2                 | 196.3                         | 10,000*            | 68.8                 | 194.0                         | 10,000*            | 100                          |
|                       | 110                          | 60.4                 | 191.7                         | 10,000*            | 63.1                 | 190.9                         | 10,000*            | 65.7                 | 188.6                         | 10,000*            | 110                          |
|                       | 120                          | 57.3                 | 185.6                         | 10,000*            | 60.0                 | 184.8                         | 10,000*            | 62.5                 | 182.4                         | 10,000*            | 120                          |
|                       | 130                          | 54.0                 | 178.8                         | 10,000*            | 56.7                 | 177.9                         | 10,000*            | 59.1                 | 175.4                         | 10,000*            | 130                          |
|                       | 140                          | 50.6                 | 171.0                         | 10,000*            | 53.3                 | 170.2                         | 10,000*            | 55.6                 | 167.5                         | 10,000*            | 140                          |
|                       | 150                          | 47.0                 | 162.3                         | 10,000*            | 49.6                 | 161.3                         | 10,000*            | 52.0                 | 158.5                         | 10,000*            | 150                          |
|                       | 160                          | 43.2                 | 152.3                         | 10,000*            | 45.8                 | 151.3                         | 10,000*            |                      |                               |                    | 160                          |
|                       | 170                          | 39.1                 | 140.8                         | 10,000*            | 41.7                 | 139.7                         | 10,000*            |                      |                               |                    | 170                          |
|                       | 180                          | 34.6                 | 127.4                         | 9,100              |                      |                               |                    |                      |                               |                    | 180                          |

# MANITOWOC ENGINEERING CO.

Division of The Manitowoc Company, Inc. Manitowoc, Wisconsin 54220



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JIB NO. 123 WITH 12'6" STRUT ON  
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102,400 LB. COUNTERWEIGHT  
24' CRAWLERS EXTENDED

MEETS  
ANSI B30.5  
REQUIREMENTS

3950W

### 60 FOOT JIB

| BOOM<br>LGTH.<br>FEET | JIB<br>OPER.<br>RAD.<br>FEET | 0 DEGREE OFFSET      |                               |                    | 10 DEGREE OFFSET     |                               |                    | 20 DEGREE OFFSET     |                               |                    | JIB<br>OPER.<br>RAD.<br>FEET |
|-----------------------|------------------------------|----------------------|-------------------------------|--------------------|----------------------|-------------------------------|--------------------|----------------------|-------------------------------|--------------------|------------------------------|
|                       |                              | BOOM<br>ANG.<br>DEG. | JIB<br>POINT<br>ELEV.<br>FEET | CAPACITY<br>POUNDS | BOOM<br>ANG.<br>DEG. | JIB<br>POINT<br>ELEV.<br>FEET | CAPACITY<br>POUNDS | BOOM<br>ANG.<br>DEG. | JIB<br>POINT<br>ELEV.<br>FEET | CAPACITY<br>POUNDS |                              |
| 160                   | 45                           | 79.7                 | 225.9                         | 10,000*            |                      |                               |                    |                      |                               |                    | 45                           |
|                       | 50                           | 78.4                 | 224.9                         | 10,000*            |                      |                               |                    |                      |                               |                    | 50                           |
|                       | 55                           | 77.1                 | 223.8                         | 10,000*            | 79.7                 | 223.1                         | 10,000*            |                      |                               |                    | 55                           |
|                       | 60                           | 75.7                 | 222.6                         | 10,000*            | 78.4                 | 221.9                         | 10,000*            | 80.9                 | 219.7                         | 10,000*            | 60                           |
|                       | 65                           | 74.4                 | 221.2                         | 10,000*            | 77.0                 | 220.5                         | 10,000*            | 79.6                 | 218.4                         | 10,000*            | 65                           |
|                       | 70                           | 73.1                 | 219.8                         | 10,000*            | 75.7                 | 219.0                         | 10,000*            | 78.2                 | 216.9                         | 10,000*            | 70                           |
|                       | 80                           | 70.4                 | 216.5                         | 10,000*            | 73.0                 | 215.7                         | 10,000*            | 75.5                 | 213.5                         | 10,000*            | 80                           |
|                       | 90                           | 67.6                 | 212.6                         | 10,000*            | 70.2                 | 211.8                         | 10,000*            | 72.7                 | 209.6                         | 10,000*            | 90                           |
|                       | 100                          | 64.8                 | 208.2                         | 10,000*            | 67.4                 | 207.4                         | 10,000*            | 69.8                 | 205.1                         | 10,000*            | 100                          |
|                       | 110                          | 61.9                 | 203.1                         | 10,000*            | 64.5                 | 202.3                         | 10,000*            | 66.9                 | 200.0                         | 10,000*            | 110                          |
|                       | 120                          | 58.9                 | 197.4                         | 10,000*            | 61.5                 | 196.6                         | 10,000*            | 63.9                 | 194.2                         | 10,000*            | 120                          |
|                       | 130                          | 55.9                 | 191.0                         | 10,000*            | 58.4                 | 190.2                         | 10,000*            | 60.8                 | 187.7                         | 10,000*            | 130                          |
| 170                   | 140                          | 52.7                 | 183.8                         | 10,000*            | 55.2                 | 182.9                         | 10,000*            | 57.5                 | 180.3                         | 10,000*            | 140                          |
|                       | 150                          | 49.4                 | 175.7                         | 10,000*            | 51.9                 | 174.8                         | 10,000*            | 54.1                 | 172.0                         | 10,000*            | 150                          |
|                       | 160                          | 45.9                 | 166.6                         | 10,000*            | 48.4                 | 165.6                         | 10,000*            | 50.6                 | 162.7                         | 10,000*            | 160                          |
|                       | 170                          | 42.2                 | 156.2                         | 9,800              | 44.6                 | 155.1                         | 10,000*            |                      |                               |                    | 170                          |
|                       | 180                          | 38.2                 | 144.3                         | 8,600              | 40.6                 | 143.2                         | 9,000              |                      |                               |                    | 180                          |
|                       | 190                          | 33.8                 | 130.5                         | 7,600              |                      |                               |                    |                      |                               |                    | 190                          |
| 170                   | 45                           | 80.1                 | 236.0                         | 10,000*            |                      |                               |                    |                      |                               |                    | 45                           |
|                       | 50                           | 78.9                 | 235.1                         | 10,000*            |                      |                               |                    |                      |                               |                    | 50                           |
|                       | 55                           | 77.6                 | 234.0                         | 10,000*            | 80.1                 | 233.3                         | 10,000*            |                      |                               |                    | 55                           |
|                       | 60                           | 76.4                 | 232.9                         | 10,000*            | 78.9                 | 232.2                         | 10,000*            |                      |                               |                    | 60                           |
|                       | 65                           | 75.1                 | 231.6                         | 10,000*            | 77.6                 | 230.9                         | 10,000*            | 80.1                 | 228.7                         | 10,000*            | 65                           |
|                       | 70                           | 73.8                 | 230.2                         | 10,000*            | 76.3                 | 229.5                         | 10,000*            | 78.8                 | 227.3                         | 10,000*            | 70                           |
|                       | 80                           | 71.2                 | 227.0                         | 10,000*            | 73.7                 | 226.3                         | 10,000*            | 76.1                 | 224.1                         | 10,000*            | 80                           |
|                       | 90                           | 68.6                 | 223.4                         | 10,000*            | 71.1                 | 222.6                         | 10,000*            | 73.5                 | 220.4                         | 10,000*            | 90                           |
|                       | 100                          | 65.9                 | 219.2                         | 10,000*            | 68.4                 | 218.4                         | 10,000*            | 70.8                 | 216.1                         | 10,000*            | 100                          |
|                       | 110                          | 63.2                 | 214.4                         | 10,000*            | 65.7                 | 213.6                         | 10,000*            | 68.0                 | 211.2                         | 10,000*            | 110                          |
|                       | 120                          | 60.4                 | 209.0                         | 10,000*            | 62.9                 | 208.2                         | 10,000*            | 65.2                 | 205.8                         | 10,000*            | 120                          |
|                       | 130                          | 57.5                 | 203.0                         | 10,000*            | 60.0                 | 202.2                         | 10,000*            | 62.2                 | 199.7                         | 10,000*            | 130                          |
| 180                   | 140                          | 54.6                 | 196.2                         | 10,000*            | 57.0                 | 195.4                         | 10,000*            | 59.2                 | 192.8                         | 10,000*            | 140                          |
|                       | 150                          | 51.5                 | 188.7                         | 10,000*            | 53.9                 | 187.8                         | 10,000*            | 56.1                 | 185.1                         | 10,000*            | 150                          |
|                       | 160                          | 48.2                 | 180.2                         | 10,000*            | 50.6                 | 179.3                         | 10,000*            | 52.8                 | 176.4                         | 10,000*            | 160                          |
|                       | 170                          | 44.8                 | 170.7                         | 9,500              | 47.2                 | 169.7                         | 9,900              |                      |                               |                    | 170                          |
|                       | 180                          | 41.2                 | 160.0                         | 8,300              | 43.6                 | 158.9                         | 8,700              |                      |                               |                    | 180                          |
|                       | 190                          | 37.3                 | 147.7                         | 7,300              |                      |                               |                    |                      |                               |                    | 190                          |
|                       | 200                          | 33.0                 | 133.5                         | 6,300              |                      |                               |                    |                      |                               |                    | 200                          |
| 180                   | 45                           | 80.6                 | 246.2                         | 10,000*            |                      |                               |                    |                      |                               |                    | 45                           |
|                       | 50                           | 79.4                 | 245.3                         | 10,000*            |                      |                               |                    |                      |                               |                    | 50                           |
|                       | 55                           | 78.2                 | 244.3                         | 10,000*            | 80.6                 | 243.5                         | 10,000*            |                      |                               |                    | 55                           |
|                       | 60                           | 76.9                 | 243.2                         | 10,000*            | 79.3                 | 242.4                         | 10,000*            |                      |                               |                    | 60                           |
|                       | 65                           | 75.7                 | 241.9                         | 10,000*            | 78.1                 | 241.2                         | 10,000*            | 80.5                 | 239.0                         | 10,000*            | 65                           |
|                       | 70                           | 74.5                 | 240.6                         | 10,000*            | 76.9                 | 239.9                         | 10,000*            | 79.2                 | 237.6                         | 10,000*            | 70                           |
|                       | 80                           | 72.0                 | 237.6                         | 10,000*            | 74.4                 | 236.8                         | 10,000*            | 76.7                 | 234.6                         | 10,000*            | 80                           |
|                       | 90                           | 69.5                 | 234.1                         | 10,000*            | 71.9                 | 233.3                         | 10,000*            | 74.2                 | 231.0                         | 10,000*            | 90                           |
|                       | 100                          | 67.0                 | 230.1                         | 10,000*            | 69.4                 | 229.3                         | 10,000*            | 71.6                 | 227.0                         | 10,000*            | 100                          |
|                       | 110                          | 64.4                 | 225.6                         | 10,000*            | 66.8                 | 224.8                         | 10,000*            | 69.0                 | 222.4                         | 10,000*            | 110                          |
|                       | 120                          | 61.7                 | 220.5                         | 10,000*            | 64.1                 | 219.6                         | 10,000*            | 66.3                 | 217.2                         | 10,000*            | 120                          |
|                       | 130                          | 59.0                 | 214.8                         | 10,000*            | 61.4                 | 213.9                         | 10,000*            | 63.5                 | 211.4                         | 10,000*            | 130                          |
| 190                   | 140                          | 56.2                 | 208.4                         | 10,000*            | 58.6                 | 207.5                         | 10,000*            | 60.7                 | 205.0                         | 10,000*            | 140                          |
|                       | 150                          | 53.3                 | 201.3                         | 10,000*            | 55.6                 | 200.4                         | 10,000*            | 57.7                 | 197.7                         | 10,000*            | 150                          |
|                       | 160                          | 50.3                 | 193.4                         | 10,000*            | 52.6                 | 192.5                         | 10,000*            | 54.7                 | 189.7                         | 10,000*            | 160                          |
|                       | 170                          | 47.2                 | 184.6                         | 9,100              | 49.5                 | 183.7                         | 9,500              | 51.5                 | 180.7                         | 9,900              | 170                          |
|                       | 180                          | 43.9                 | 174.8                         | 7,900              | 46.1                 | 173.8                         | 8,300              |                      |                               |                    | 180                          |
|                       | 190                          | 40.3                 | 163.7                         | 6,900              | 42.6                 | 162.6                         | 7,200              |                      |                               |                    | 190                          |
|                       | 200                          | 36.5                 | 151.0                         | 6,000              |                      |                               |                    |                      |                               |                    | 200                          |
|                       | 210                          | 32.3                 | 136.4                         | 5,100              |                      |                               |                    |                      |                               |                    | 210                          |

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### 60 FOOT JIB

| BOOM<br>LGTH.<br>FEET | JIB<br>OPER.<br>RAD.<br>FEET | 0 DEGREE OFFSET      |                               |                    | 10 DEGREE OFFSET     |                               |                    | 20 DEGREE OFFSET     |                               |                    | JIB<br>OPER.<br>RAD.<br>FEET |
|-----------------------|------------------------------|----------------------|-------------------------------|--------------------|----------------------|-------------------------------|--------------------|----------------------|-------------------------------|--------------------|------------------------------|
|                       |                              | BOOM<br>ANG.<br>DEG. | JIB<br>POINT<br>ELEV.<br>FEET | CAPACITY<br>POUNDS | BOOM<br>ANG.<br>DEG. | JIB<br>POINT<br>ELEV.<br>FEET | CAPACITY<br>POUNDS | BOOM<br>ANG.<br>DEG. | JIB<br>POINT<br>ELEV.<br>FEET | CAPACITY<br>POUNDS |                              |
| 190                   | 45                           | 80.9                 | 256.3                         | 10,000*            |                      |                               |                    |                      |                               |                    | 45                           |
|                       | 50                           | 79.8                 | 255.4                         | 10,000*            |                      |                               |                    |                      |                               |                    | 50                           |
|                       | 55                           | 78.6                 | 254.5                         | 10,000*            | 80.9                 | 253.7                         | 10,000*            |                      |                               |                    | 55                           |
|                       | 60                           | 77.5                 | 253.4                         | 10,000*            | 79.8                 | 252.7                         | 10,000*            |                      |                               |                    | 60                           |
|                       | 65                           | 76.3                 | 252.3                         | 10,000*            | 78.6                 | 251.5                         | 10,000*            | 80.9                 | 249.3                         | 10,000*            | 65                           |
|                       | 70                           | 75.1                 | 251.0                         | 10,000*            | 77.4                 | 250.2                         | 10,000*            | 79.7                 | 248.0                         | 10,000*            | 70                           |
|                       | 80                           | 72.8                 | 248.1                         | 10,000*            | 75.1                 | 247.3                         | 10,000*            | 77.3                 | 245.1                         | 10,000*            | 80                           |
|                       | 90                           | 70.4                 | 244.7                         | 10,000*            | 72.7                 | 244.0                         | 10,000*            | 74.9                 | 241.7                         | 10,000*            | 90                           |
|                       | 100                          | 67.9                 | 240.9                         | 10,000*            | 70.2                 | 240.1                         | 10,000*            | 72.4                 | 237.8                         | 10,000*            | 100                          |
|                       | 110                          | 65.5                 | 236.6                         | 10,000*            | 67.8                 | 235.8                         | 10,000*            | 69.9                 | 233.4                         | 10,000*            | 110                          |
|                       | 120                          | 63.0                 | 231.8                         | 10,000*            | 65.2                 | 230.9                         | 10,000*            | 67.4                 | 228.5                         | 10,000*            | 120                          |
|                       | 130                          | 60.4                 | 226.3                         | 10,000*            | 62.6                 | 225.5                         | 10,000*            | 64.7                 | 223.0                         | 10,000*            | 130                          |
|                       | 140                          | 57.7                 | 220.3                         | 10,000*            | 60.0                 | 219.5                         | 10,000*            | 62.0                 | 216.9                         | 10,000*            | 140                          |
|                       | 150                          | 55.0                 | 213.7                         | 10,000*            | 57.2                 | 212.8                         | 10,000*            | 59.3                 | 210.1                         | 10,000*            | 150                          |
|                       | 160                          | 52.2                 | 206.3                         | 10,000*            | 54.4                 | 205.3                         | 10,000*            | 56.4                 | 202.6                         | 10,000*            | 160                          |
| 200                   | 170                          | 49.2                 | 198.1                         | 8,600              | 51.4                 | 197.1                         | 9,100              | 53.4                 | 194.2                         | 9,500              | 170                          |
|                       | 180                          | 46.2                 | 188.9                         | 7,500              | 48.4                 | 187.9                         | 7,900              |                      |                               |                    | 180                          |
|                       | 190                          | 42.9                 | 178.8                         | 6,400              | 45.1                 | 177.7                         | 6,800              |                      |                               |                    | 190                          |
|                       | 200                          | 39.5                 | 167.3                         | 5,500              | 41.6                 | 166.2                         | 5,800              |                      |                               |                    | 200                          |
|                       | 210                          | 35.8                 | 154.3                         | 4,600              |                      |                               |                    |                      |                               |                    | 210                          |
|                       | 50                           | 80.2                 | 265.6                         | 10,000*            |                      |                               |                    |                      |                               |                    | 50                           |
|                       | 55                           | 79.1                 | 264.7                         | 10,000*            |                      |                               |                    |                      |                               |                    | 55                           |
|                       | 60                           | 78.0                 | 263.7                         | 10,000*            | 80.2                 | 262.9                         | 10,000*            |                      |                               |                    | 60                           |
|                       | 65                           | 76.8                 | 262.5                         | 10,000*            | 79.1                 | 261.8                         | 10,000*            |                      |                               |                    | 65                           |
|                       | 70                           | 75.7                 | 261.3                         | 10,000*            | 77.9                 | 260.6                         | 10,000*            | 80.1                 | 258.3                         | 10,000*            | 70                           |
| 210                   | 80                           | 73.4                 | 258.5                         | 10,000*            | 75.7                 | 257.8                         | 10,000*            | 77.8                 | 255.5                         | 10,000*            | 80                           |
|                       | 90                           | 71.2                 | 255.3                         | 10,000*            | 73.4                 | 254.6                         | 10,000*            | 75.5                 | 252.2                         | 10,000*            | 90                           |
|                       | 100                          | 68.8                 | 251.7                         | 10,000*            | 71.0                 | 250.9                         | 10,000*            | 73.1                 | 248.5                         | 10,000*            | 100                          |
|                       | 110                          | 66.5                 | 247.6                         | 10,000*            | 68.7                 | 246.8                         | 10,000*            | 70.7                 | 244.4                         | 10,000*            | 110                          |
|                       | 120                          | 64.1                 | 242.9                         | 10,000*            | 66.2                 | 242.1                         | 10,000*            | 68.3                 | 239.7                         | 10,000*            | 120                          |
|                       | 130                          | 61.6                 | 237.8                         | 10,000*            | 63.8                 | 237.0                         | 10,000*            | 65.8                 | 234.5                         | 10,000*            | 130                          |
|                       | 140                          | 59.1                 | 232.1                         | 10,000*            | 61.3                 | 231.2                         | 10,000*            | 63.3                 | 228.7                         | 10,000*            | 140                          |
|                       | 150                          | 56.5                 | 225.8                         | 10,000*            | 58.7                 | 224.9                         | 10,000*            | 60.6                 | 222.3                         | 10,000*            | 150                          |
|                       | 160                          | 53.9                 | 218.8                         | 9,500              | 56.0                 | 217.9                         | 10,000*            | 57.9                 | 215.2                         | 10,000*            | 160                          |
|                       | 170                          | 51.1                 | 211.1                         | 8,200              | 53.2                 | 210.2                         | 8,700              | 55.1                 | 207.3                         | 9,200              | 170                          |
|                       | 180                          | 48.2                 | 202.6                         | 7,000              | 50.3                 | 201.6                         | 7,500              | 52.2                 | 198.7                         | 7,900              | 180                          |
|                       | 190                          | 45.2                 | 193.2                         | 6,000              | 47.3                 | 192.1                         | 6,400              |                      |                               |                    | 190                          |
|                       | 200                          | 42.1                 | 182.6                         | 5,100              | 44.1                 | 181.5                         | 5,400              |                      |                               |                    | 200                          |
|                       | 210                          | 38.7                 | 170.9                         | 4,200              | 40.7                 | 169.7                         | 4,500              |                      |                               |                    | 210                          |
| 210                   | 50                           | 80.5                 | 275.7                         | 10,000*            |                      |                               |                    |                      |                               |                    | 50                           |
|                       | 55                           | 79.5                 | 274.9                         | 10,000*            |                      |                               |                    |                      |                               |                    | 55                           |
|                       | 60                           | 78.4                 | 273.9                         | 10,000*            | 80.5                 | 273.1                         | 10,000*            |                      |                               |                    | 60                           |
|                       | 65                           | 77.3                 | 272.8                         | 10,000*            | 79.5                 | 272.0                         | 10,000*            |                      |                               |                    | 65                           |
|                       | 70                           | 76.2                 | 271.6                         | 10,000*            | 78.4                 | 270.9                         | 10,000*            | 80.5                 | 268.6                         | 10,000*            | 70                           |
|                       | 80                           | 74.1                 | 269.0                         | 10,000*            | 76.2                 | 268.2                         | 10,000*            | 78.3                 | 265.9                         | 10,000*            | 80                           |
|                       | 90                           | 71.9                 | 265.9                         | 10,000*            | 74.0                 | 265.1                         | 10,000*            | 76.0                 | 262.8                         | 10,000*            | 90                           |
|                       | 100                          | 69.6                 | 262.4                         | 10,000*            | 71.8                 | 261.6                         | 10,000*            | 73.8                 | 259.2                         | 10,000*            | 100                          |
|                       | 110                          | 67.4                 | 258.4                         | 10,000*            | 69.5                 | 257.6                         | 10,000*            | 71.5                 | 255.2                         | 10,000*            | 110                          |
|                       | 120                          | 65.1                 | 254.0                         | 10,000*            | 67.2                 | 253.2                         | 10,000*            | 69.2                 | 250.8                         | 10,000*            | 120                          |
|                       | 130                          | 62.7                 | 249.1                         | 10,000*            | 64.8                 | 248.3                         | 10,000*            | 66.8                 | 245.8                         | 10,000*            | 130                          |
|                       | 140                          | 60.3                 | 243.7                         | 10,000*            | 62.4                 | 242.8                         | 10,000*            | 64.4                 | 240.3                         | 10,000*            | 140                          |
|                       | 150                          | 57.9                 | 237.7                         | 10,000*            | 60.0                 | 236.8                         | 10,000*            | 61.9                 | 234.2                         | 10,000*            | 150                          |
|                       | 160                          | 55.4                 | 231.1                         | 9,200              | 57.4                 | 230.2                         | 9,800              | 59.3                 | 227.5                         | 10,000*            | 160                          |
|                       | 170                          | 52.8                 | 223.8                         | 7,900              | 54.8                 | 222.9                         | 8,400              | 56.7                 | 220.1                         | 8,900              | 170                          |
|                       | 180                          | 50.1                 | 215.8                         | 6,700              | 52.1                 | 214.8                         | 7,200              | 53.9                 | 212.0                         | 7,600              | 180                          |
|                       | 190                          | 47.3                 | 207.0                         | 5,700              | 49.3                 | 206.0                         | 6,100              | 51.1                 | 203.0                         | 6,500              | 190                          |
|                       | 200                          | 44.3                 | 197.3                         | 4,700              | 46.4                 | 196.2                         | 5,100              |                      |                               |                    | 200                          |
|                       | 210                          |                      |                               |                    | 43.2                 | 185.3                         | 4,200              |                      |                               |                    | 210                          |

# MANITOWOC ENGINEERING CO.

Division of The Manitowoc Company, Inc. Manitowoc, Wisconsin 54220



## LIFT CRANE JIB CAPACITIES

JIB NO. 123 WITH 12'6" STRUT ON  
BOOM NO. 39 WITH OPEN THROAT TOP  
102,400 LB. COUNTERWEIGHT  
24' CRAWLERS EXTENDED

MEETS  
ANSI B30.5  
REQUIREMENTS

3950W

### 60 FOOT JIB

| BOOM<br>LGTH.<br>FEET | JIB<br>OPER.<br>RAD.<br>FEET | 0 DEGREE OFFSET      |                               |                    | 10 DEGREE OFFSET     |                               |                    | 20 DEGREE OFFSET     |                               |                    | JIB<br>OPER.<br>RAD.<br>FEET |
|-----------------------|------------------------------|----------------------|-------------------------------|--------------------|----------------------|-------------------------------|--------------------|----------------------|-------------------------------|--------------------|------------------------------|
|                       |                              | BOOM<br>ANG.<br>DEG. | JIB<br>POINT<br>ELEV.<br>FEET | CAPACITY<br>POUNDS | BOOM<br>ANG.<br>DEG. | JIB<br>POINT<br>ELEV.<br>FEET | CAPACITY<br>POUNDS | BOOM<br>ANG.<br>DEG. | JIB<br>POINT<br>ELEV.<br>FEET | CAPACITY<br>POUNDS |                              |
| 220                   | 50                           | 80.9                 | 285.9                         | 10,000*            |                      |                               |                    |                      |                               |                    | 50                           |
|                       | 55                           | 79.9                 | 285.0                         | 10,000*            |                      |                               |                    |                      |                               |                    | 55                           |
|                       | 60                           | 78.8                 | 284.1                         | 10,000*            | 80.9                 | 283.3                         | 10,000*            |                      |                               |                    | 60                           |
|                       | 65                           | 77.8                 | 283.0                         | 10,000*            | 79.8                 | 282.3                         | 10,000*            |                      |                               |                    | 65                           |
|                       | 70                           | 76.7                 | 281.9                         | 10,000*            | 78.8                 | 281.1                         | 10,000*            | 80.8                 | 278.8                         | 10,000*            | 70                           |
|                       | 80                           | 74.7                 | 279.3                         | 10,000*            | 76.7                 | 278.6                         | 10,000*            | 78.7                 | 276.3                         | 10,000*            | 80                           |
|                       | 90                           | 72.5                 | 276.4                         | 10,000*            | 74.6                 | 275.6                         | 10,000*            | 76.6                 | 273.3                         | 10,000*            | 90                           |
|                       | 100                          | 70.4                 | 273.0                         | 10,000*            | 72.4                 | 272.2                         | 10,000*            | 74.4                 | 269.9                         | 10,000*            | 100                          |
|                       | 110                          | 68.2                 | 269.2                         | 10,000*            | 70.3                 | 268.4                         | 10,000*            | 72.2                 | 266.0                         | 10,000*            | 110                          |
|                       | 120                          | 66.0                 | 265.0                         | 10,000*            | 68.1                 | 264.2                         | 10,000*            | 70.0                 | 261.7                         | 10,000*            | 120                          |
|                       | 130                          | 63.8                 | 260.3                         | 10,000*            | 65.8                 | 259.5                         | 10,000*            | 67.7                 | 257.0                         | 10,000*            | 130                          |
|                       | 140                          | 61.5                 | 255.1                         | 10,000*            | 63.5                 | 254.3                         | 10,000*            | 65.4                 | 251.7                         | 10,000*            | 140                          |
|                       | 150                          | 59.2                 | 249.4                         | 10,000*            | 61.2                 | 248.5                         | 10,000*            | 63.0                 | 245.9                         | 10,000*            | 150                          |
|                       | 160                          | 56.8                 | 243.1                         | 8,800              | 58.8                 | 242.2                         | 9,400              | 60.6                 | 239.6                         | 10,000*            | 160                          |
|                       | 170                          | 54.3                 | 236.3                         | 7,500              | 56.3                 | 235.3                         | 8,000              | 58.1                 | 232.6                         | 8,600              | 170                          |
|                       | 180                          | 51.8                 | 228.7                         | 6,300              | 53.7                 | 227.8                         | 6,800              | 55.5                 | 224.9                         | 7,300              | 180                          |
|                       | 190                          | 49.1                 | 220.4                         | 5,200              | 51.1                 | 219.4                         | 5,700              | 52.8                 | 216.5                         | 6,100              | 190                          |
|                       | 200                          | 46.4                 | 211.3                         | 4,300              | 48.3                 | 210.3                         | 4,700              |                      |                               |                    | 200                          |

REFER ONLY