

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

DESIGNED AND TESTED WITH THE INTENT TO BE WITHIN THE SCOPE OF ANSI B30.5

M-250 SERIES 2

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING**

CAPACITIES FOR VARIOUS BOOM LENGTHS, BOOM ANGLES, LUFFING JIB LENGTHS, AND LUFFING JIB OPERATING RADIUS ARE FOR FREELY SUSPENDED LOADS AND DO NOT EXCEED 75% OF A STATIC TIPPING LOAD FOR BOOM AND LUFFING JIB LENGTH COMBINATIONS THRU 245' AND NEW YORK CITY CRITERIA OF 1.4 FACTOR APPLIED TO TOTAL MACHINE MOMENT FOR BOOM AND LUFFING JIB LENGTH COMBINATIONS 255' ON UP. CAPACITIES BASED ON STRUCTURAL COMPETENCE ARE DENOTED BY AN ASTERISK (*). CAPACITIES INDICATED BY (b) REQUIRE 4,800 LB. MINIMUM BLOCK WEIGHT.

UPPER LUFFING JIB POINT CAPACITY FOR LIFTCRANE SERVICE WITH SINGLE PART WHIP LINE IS 30,000 LBS. IN ALL CASES, UPPER LUFFING JIB POINT CAPACITIES CANNOT EXCEED THOSE LISTED FOR MAIN LUFFING JIB CAPACITIES.

MAIN BOOM POINT MUST BE REMOVED ON 175' THRU 195' BOOM LENGTHS.

WEIGHT OF ALL LOAD BLOCKS, HOOKS, WEIGHT BALL, SLINGS, HOIST LINES, ETC., BENEATH BOOM AND LUFFING JIB POINT SHEAVES, IS CONSIDERED PART OF LUFFING JIB LOAD. BOOM AND LUFFING JIB ARE NOT TO BE LOWERED BEYOND RADIUS 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 GANTRY UP. DURING OPERATION, BOOM MUST BE MAINTAINED AT ONE OF THE SELECTED ANGLES SHOWN IN CHART. REFER TO FOLD UNDER LUFFING JIB ASSEMBLY NO. 175501, WIRE ROPE SPECIFICATION CHART NO. 7787-A, FOLD UNDER LUFFING JIB RAISING PROCEDURE CHART NO. 7711-A AND COUNTERWEIGHT ARRANGEMENT CHART NO. 7692-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.

MACHINE MAY BE OPERATED WITHIN WIND LIMITS SHOWN IN TABLE PROVIDED CRANE OPERATOR JUDGMENT IS USED TO ALLOW FOR WIND EFFECT ON LIFTED LOAD AND OTHER CONSIDERATIONS NOTED ON CAPACITY CHART ARE FOLLOWED. WIND WILL HAVE A CONSIDERABLE EFFECT ON A LOAD WITH A LARGE 'SAIL AREA' AND MUST BE COMPENSATED FOR ACCORDINGLY BY REDUCING LOAD RATINGS, REDUCING OPERATING SPEEDS OR BY A COMBINATION OF BOTH. RECOMMEND STOPPING OPERATION WHEN WIND IS ABOVE OPERATING CONDITIONS STATED. LOWER BOOM AND LUFFING JIB TO GROUND WHEN WIND IS ABOVE SPEED REFERRED TO IN MAXIMUM ALLOWABLE WIND CONDITIONS CHART NO. 7785-A.

MACHINE TO TRAVEL ON A FIRM, LEVEL AND UNIFORMLY SUPPORTING SURFACE WITH BOOM AND LUFFING JIB WITHIN ANGLE RANGE SHOWN IN CAPACITY CHART. REFER TO MAXIMUM ALLOWABLE TRAVEL SPECIFICATION CHART NO. 7786-A.

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

MACHINE EQUIPPED WITH 30" 9" CRAWLERS, 48" TREADS, 2' BOOM HINGE ADAPTOR, 28' RETRACTABLE GANTRY, 12 PART BOOM HOIST REEVING, FOUR 1-1/2" BOOM PENDANTS, 10 PART LUFFING JIB HOIST REEVING, TWO 1-1/2" LUFFING JIB PENDANTS AND BACKSTAYS, 207,000 LB. CRANE COUNTERWEIGHT, AND TWO 30,000 LB. CARBODY COUNTERWEIGHTS.

| | |
|---|---------------------------|
| FOR WINDS GREATER THAN 15 MPH, DO NOT OPERATE LUFFING JIB LENGTHS ABOVE THE FOLLOWING LUFFING JIB ANGLES OR LUFFING JIB MAY COME OVER BACKWARDS WITH ONLY THE LOAD BLOCK. | |
| LUFFING JIB LENGTH - FEET | MAXIMUM LUFFING JIB ANGLE |
| 70 - 80 | 60 DEGREES |
| 90 - 120 | 65 DEGREES |
| 130 - 200 | 70 DEGREES |

| WIND LIMITS DURING OPERATION | | | | | |
|---|--------------------|------------------------------|--------------------|------------------------------|--------------------|
| BASED ON WIND VELOCITY MEASURED AT 100 FT. ELEVATION WITH VELOCITY FACTOR FOR SUBURBAN AREAS, CITY OUTSKIRTS, AND ROLLING TERRAIN | | | | | |
| 25 MPH MAXIMUM WIND VELOCITY | | 20 MPH MAXIMUM WIND VELOCITY | | 15 MPH MAXIMUM WIND VELOCITY | |
| BOOM LENGTH | LUFFING JIB LENGTH | BOOM LENGTH | LUFFING JIB LENGTH | BOOM LENGTH | LUFFING JIB LENGTH |
| FEET | FEET | FEET | FEET | FEET | FEET |
| 85 - 95 | 70 - 160 | 85 - 95 | 170 - 200 | 105 - 115 | 200 |
| 105 - 115 | 70 - 140 | 105 - 115 | 150 - 190 | 125 - 135 | 180 - 200 |
| 125 - 135 | 70 - 130 | 125 - 135 | 140 - 170 | 145 - 155 | 160 - 200 |
| 145 - 155 | 70 - 120 | 145 - 155 | 130 - 150 | 165 - 175 | 150 - 200 |
| 165 - 175 | 70 - 100 | 165 - 175 | 110 - 140 | 185 | 140 - 150 |
| 185 | 70 - 100 | 185 | 110 - 130 | | |
| 195 | 70 - 90 | | | | |

CONSULT CHART NO. 7784-A FOR LIFTING OFF MAIN BOOM POINT WITH LUFFING JIB ATTACHED.

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M-250 SERIES 2

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING**

85 FT. BOOM, 70 FT. JIB

| JIB OPER. RAD. FEET | 88 DEGREE BOOM ANGLE | | | 83 DEGREE BOOM ANGLE | | | 80 DEGREE BOOM ANGLE | | | 75 DEGREE BOOM ANGLE | | | 70 DEGREE BOOM ANGLE | | | 65 DEGREE BOOM ANGLE | | | 60 DEGREE BOOM ANGLE | | | JIB OPER. RAD. FEET |
|---------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|---------------------|
| | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | |
| 45 | 67.2 | 162.7 | 128,700*b | | | | | | | | | | | | | | | | | | | 45 |
| 50 | 62.6 | 160.3 | 118,900*b | | | | | | | | | | | | | | | | | | | 50 |
| 55 | 57.9 | 157.3 | 108,200*b | 65.1 | 160.4 | 122,000*b | | | | | | | | | | | | | | | | 55 |
| 60 | 52.8 | 153.7 | 99,400* | 60.5 | 157.7 | 114,300*b | 64.7 | 159.2 | 120,000*b | | | | | | | | | | | | | 60 |
| 65 | 47.4 | 149.4 | 92,200* | 55.6 | 154.5 | 107,500*b | 60.0 | 156.4 | 112,400*b | | | | | | | | | | | | | 65 |
| 70 | 41.5 | 144.1 | 86,100* | 50.4 | 150.6 | 101,500* | 55.1 | 153.1 | 105,800* | 62.4 | 155.5 | 114,100*b | | | | | | | | | | 70 |
| 75 | 34.7 | 137.4 | 81,100* | 44.7 | 145.8 | 96,200* | 49.9 | 149.1 | 99,900* | 57.6 | 152.5 | 107,100*b | | | | | | | | | | 75 |
| 80 | 26.3 | 128.6 | 77,000* | 38.5 | 140.0 | 91,600* | 44.2 | 144.3 | 94,700* | 52.5 | 148.9 | 99,600 | | | | | | | | | | 80 |
| 85 | 13.7 | 114.0 | 72,400* | 31.1 | 132.5 | 83,200* | 37.8 | 138.3 | 90,100* | 47.1 | 144.5 | 92,300 | 54.8 | 147.7 | 89,400 | | | | | | | 85 |
| 90 | | | | 21.5 | 121.9 | 75,900* | 30.3 | 130.7 | 82,500* | 41.1 | 139.2 | 86,000 | 49.5 | 143.6 | 83,300 | | | | | | | 90 |
| 95 | | | | | | | 20.4 | 119.6 | 75,400* | 34.2 | 132.4 | 80,300 | 43.8 | 138.7 | 77,800 | 51.6 | 141.7 | 75,400 | | | | 95 |
| 100 | | | | | | | | | | 25.7 | 123.4 | 75,300 | 37.4 | 132.7 | 73,000 | 46.1 | 137.2 | 70,700 | | | | 100 |
| 105 | | | | | | | | | | 12.5 | 108.0 | 70,700 | 29.8 | 124.8 | 68,700 | 40.0 | 131.7 | 66,500 | 47.9 | 134.6 | 64,400 | 105 |
| 110 | | | | | | | | | | | | | 19.5 | 113.4 | 64,700 | 32.9 | 124.6 | 62,700 | 42.0 | 129.4 | 60,800 | 110 |
| 115 | | | | | | | | | | | | | | | | 24.0 | 115.0 | 59,300 | 35.3 | 122.9 | 57,400 | 115 |
| 120 | | | | | | | | | | | | | | | | 8.2 | 96.4 | 56,000 | 27.2 | 114.4 | 54,400 | 120 |
| 125 | | | | | | | | | | | | | | | | | | | 15.3 | 100.7 | 51,500 | 125 |

85 FT. BOOM, 80 FT. JIB

| JIB OPER. RAD. FEET | 88 DEGREE BOOM ANGLE | | | 83 DEGREE BOOM ANGLE | | | 80 DEGREE BOOM ANGLE | | | 75 DEGREE BOOM ANGLE | | | 70 DEGREE BOOM ANGLE | | | 65 DEGREE BOOM ANGLE | | | 60 DEGREE BOOM ANGLE | | | JIB OPER. RAD. FEET |
|---------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|---------------------|
| | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | |
| 45 | 70.2 | 173.5 | 125,400*b | | | | | | | | | | | | | | | | | | | 45 |
| 50 | 66.3 | 171.4 | 117,000*b | | | | | | | | | | | | | | | | | | | 50 |
| 55 | 62.3 | 168.9 | 108,100*b | 68.4 | 171.4 | 118,900*b | | | | | | | | | | | | | | | | 55 |
| 60 | 58.1 | 166.0 | 99,100* | 64.5 | 169.1 | 111,300*b | 64.1 | 167.8 | 109,600*b | | | | | | | | | | | | | 60 |
| 65 | 53.8 | 162.5 | 91,500* | 60.4 | 166.4 | 104,700* | | | | | | | | | | | | | | | | 65 |
| 70 | 49.1 | 158.4 | 85,100* | 56.2 | 163.2 | 98,900* | 60.0 | 165.1 | 103,100* | | | | | | | | | | | | | 70 |
| 75 | 44.1 | 153.5 | 79,900* | 51.7 | 159.4 | 93,500* | 55.8 | 161.8 | 97,300* | 62.1 | 164.2 | 104,500*b | | | | | | | | | | 75 |
| 80 | 38.6 | 147.6 | 75,400* | 46.9 | 155.0 | 88,800* | 51.3 | 158.0 | 92,100* | 57.9 | 161.2 | 98,400* | | | | | | | | | | 80 |
| 85 | 32.3 | 140.4 | 71,500* | 41.7 | 149.7 | 83,500* | 46.4 | 153.5 | 87,700* | 53.5 | 157.7 | 91,900 | | | | | | | | | | 85 |
| 90 | 24.5 | 130.7 | 66,900* | 35.8 | 143.3 | 76,200* | 41.2 | 148.1 | 82,800* | 48.8 | 153.5 | 85,500 | 55.5 | 156.4 | 82,700 | | | | | | | 90 |
| 95 | 12.7 | 115.1 | 61,900* | 29.0 | 135.1 | 70,000* | 35.3 | 141.5 | 75,600* | 43.8 | 148.6 | 79,900 | 50.9 | 152.5 | 77,300 | | | | | | | 95 |
| 100 | | | | 20.0 | 123.6 | 64,600* | 28.3 | 133.2 | 69,500* | 38.3 | 142.7 | 75,000 | 46.1 | 148.0 | 72,500 | 52.7 | 150.6 | 70,100 | | | | 100 |
| 105 | | | | | | | 19.0 | 121.2 | 64,100* | 31.9 | 135.3 | 70,500 | 40.8 | 142.5 | 68,200 | 48.0 | 146.3 | 66,000 | | | | 105 |
| 110 | | | | | | | | | | 24.0 | 125.5 | 66,500 | 34.8 | 135.8 | 64,300 | 42.9 | 141.2 | 62,200 | | | | 110 |
| 115 | | | | | | | | | | 11.6 | 109.0 | 61,700* | 27.7 | 127.3 | 60,800 | 37.2 | 135.1 | 58,800 | 44.6 | 138.8 | 56,900 | 115 |
| 120 | | | | | | | | | | | | | 18.2 | 115.0 | 57,500 | 30.7 | 127.4 | 55,700 | 39.1 | 133.0 | 53,900 | 120 |
| 125 | | | | | | | | | | | | | | | | 22.4 | 116.9 | 52,800 | 32.9 | 125.9 | 51,100 | 125 |
| 130 | | | | | | | | | | | | | | | | 7.6 | 97.0 | 50,100 | 25.3 | 116.6 | 48,600 | 130 |
| 135 | | | | | | | | | | | | | | | | | | | 14.2 | 101.9 | 46,200 | 135 |

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M-250 SERIES 2

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING**

85 FT. BOOM, 90 FT. JIB

| JIB OPER. RAD. FEET | 88 DEGREE BOOM ANGLE | | | 83 DEGREE BOOM ANGLE | | | 80 DEGREE BOOM ANGLE | | | 75 DEGREE BOOM ANGLE | | | 70 DEGREE BOOM ANGLE | | | 65 DEGREE BOOM ANGLE | | | 60 DEGREE BOOM ANGLE | | | JIB OPER. RAD. FEET |
|------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|------------------------------|
| | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | |
| 45 | 72.5 | 184.1 | 122,300*b | | | | | | | | | | | | | | | | | | | 45 |
| 50 | 69.1 | 182.3 | 114,300*b | | | | | | | | | | | | | | | | | | | 50 |
| 55 | 65.6 | 180.1 | 107,300*b | 70.9 | 182.1 | 116,300*b | | | | | | | | | | | | | | | | 55 |
| 60 | 62.1 | 177.6 | 99,300* | 67.5 | 180.1 | 108,900*b | | | | | | | | | | | | | | | | 60 |
| 65 | 58.4 | 174.6 | 91,500* | 64.0 | 177.8 | 102,300* | 67.2 | 178.9 | 107,100*b | | | | | | | | | | | | | 65 |
| 70 | 54.5 | 171.2 | 84,900* | 60.4 | 175.1 | 96,600* | 63.7 | 176.5 | 100,800* | | | | | | | | | | | | | 70 |
| 75 | 50.4 | 167.3 | 79,300* | 56.6 | 171.9 | 91,400* | 60.0 | 173.7 | 95,200* | | | | | | | | | | | | | 75 |
| 80 | 46.1 | 162.7 | 74,600* | 52.7 | 168.2 | 86,800* | 56.3 | 170.5 | 90,100* | 61.8 | 172.9 | 96,400* | | | | | | | | | | 80 |
| 85 | 41.4 | 157.3 | 70,500* | 48.5 | 164.0 | 82,700* | 52.3 | 166.8 | 85,600* | 58.1 | 169.9 | 91,100* | | | | | | | | | | 85 |
| 90 | 36.3 | 150.9 | 67,000* | 44.0 | 159.1 | 76,400* | 48.1 | 162.5 | 81,500* | 54.3 | 166.4 | 85,200 | | | | | | | | | | 90 |
| 95 | 30.4 | 143.1 | 62,000* | 39.1 | 153.3 | 70,100* | 43.6 | 157.5 | 75,800* | 50.2 | 162.4 | 79,600 | 56.0 | 165.1 | 76,900 | | | | | | | 95 |
| 100 | 23.1 | 132.8 | 57,600* | 33.7 | 146.3 | 64,700* | 38.7 | 151.7 | 69,600* | 45.8 | 157.8 | 74,600 | 52.0 | 161.4 | 72,100 | | | | | | | 100 |
| 105 | 12.0 | 116.1 | 53,600* | 27.2 | 137.5 | 60,000* | 33.1 | 144.5 | 64,300* | 41.1 | 152.4 | 70,200 | 47.8 | 157.0 | 67,900 | | | | | | | 105 |
| 110 | | | | 18.8 | 125.2 | 55,700* | 26.6 | 135.5 | 59,600* | 35.9 | 145.9 | 66,200 | 43.3 | 152.0 | 64,000 | 49.5 | 155.2 | 61,800 | | | | 110 |
| 115 | | | | | | | 17.8 | 122.8 | 55,400* | 30.0 | 138.0 | 61,800* | 38.3 | 146.0 | 60,500 | 45.1 | 150.5 | 58,500 | | | | 115 |
| 120 | | | | | | | | | | 22.5 | 127.4 | 57,400* | 32.7 | 138.8 | 57,300 | 40.3 | 144.9 | 55,400 | 46.5 | 148.0 | 53,500 | 120 |
| 125 | | | | | | | | | | 10.9 | 109.9 | 53,500* | 26.1 | 129.6 | 54,400 | 35.0 | 138.2 | 52,600 | 41.9 | 142.7 | 50,800 | 125 |
| 130 | | | | | | | | | | | | | 17.1 | 116.4 | 51,700 | 28.8 | 129.9 | 50,000 | 36.8 | 136.4 | 48,300 | 130 |
| 135 | | | | | | | | | | | | | | | | 21.0 | 118.8 | 47,600 | 30.9 | 128.7 | 46,000 | 135 |
| 140 | | | | | | | | | | | | | | | | 7.1 | 97.5 | 45,200 | 23.8 | 118.7 | 43,800 | 140 |
| 145 | | | | | | | | | | | | | | | | | | | 13.4 | 103.1 | 41,700 | 145 |

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M-250 SERIES 2

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING**

85 FT. BOOM, 100 FT. JIB

| JIB OPER. RAD. FEET | 88 DEGREE BOOM ANGLE | | | 83 DEGREE BOOM ANGLE | | | 80 DEGREE BOOM ANGLE | | | 75 DEGREE BOOM ANGLE | | | 70 DEGREE BOOM ANGLE | | | 65 DEGREE BOOM ANGLE | | | 60 DEGREE BOOM ANGLE | | | JIB OPER. RAD. FEET |
|------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|------------------------------|
| | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | |
| 45 | 74.3 | 194.6 | 119,100*b | | | | | | | | | | | | | | | | | | | 45 |
| 50 | 71.3 | 193.0 | 111,400*b | | | | | | | | | | | | | | | | | | | 50 |
| 55 | 68.2 | 191.1 | 104,500* | | | | | | | | | | | | | | | | | | | 55 |
| 60 | 65.1 | 188.8 | 98,500* | 69.9 | 190.9 | 106,100*b | | | | | | | | | | | | | | | | 60 |
| 65 | 61.9 | 186.3 | 91,500* | 66.8 | 188.9 | 99,800* | | | | | | | | | | | | | | | | 65 |
| 70 | 58.5 | 183.3 | 84,700* | 63.6 | 186.5 | 94,100* | 66.5 | 187.6 | 98,300* | | | | | | | | | | | | | 70 |
| 75 | 55.1 | 179.9 | 78,900* | 60.3 | 183.7 | 89,200* | 63.3 | 185.2 | 92,700* | | | | | | | | | | | | | 75 |
| 80 | 51.5 | 176.1 | 74,000* | 56.9 | 180.6 | 84,600* | 60.0 | 182.4 | 87,900* | | | | | | | | | | | | | 80 |
| 85 | 47.7 | 171.7 | 69,800* | 53.4 | 177.0 | 80,500* | 56.6 | 179.2 | 83,400* | 61.6 | 181.5 | 88,900* | | | | | | | | | | 85 |
| 90 | 43.6 | 166.7 | 66,100* | 49.7 | 172.9 | 76,200* | 53.1 | 175.6 | 79,400* | 58.3 | 178.6 | 84,300* | | | | | | | | | | 90 |
| 95 | 39.2 | 160.9 | 61,800* | 45.8 | 168.3 | 69,900* | 49.4 | 171.5 | 75,700* | 54.9 | 175.2 | 79,100 | | | | | | | | | | 95 |
| 100 | 34.3 | 154.0 | 57,400* | 41.6 | 162.9 | 64,500* | 45.5 | 166.8 | 69,500* | 51.2 | 171.3 | 74,200 | 56.4 | 173.8 | 71,600 | | | | | | | 100 |
| 105 | 28.7 | 145.6 | 53,400* | 37.0 | 156.7 | 59,700* | 41.2 | 161.3 | 64,100* | 47.4 | 166.9 | 69,800 | 52.9 | 170.2 | 67,300 | | | | | | | 105 |
| 110 | 21.8 | 134.7 | 49,900* | 31.9 | 149.2 | 55,500* | 36.6 | 155.0 | 59,400* | 43.3 | 161.8 | 65,800 | 49.1 | 166.0 | 63,500 | | | | | | | 110 |
| 115 | 11.3 | 117.0 | 46,700* | 25.8 | 139.8 | 51,800* | 31.4 | 147.4 | 55,200* | 38.9 | 155.9 | 61,600* | 45.2 | 161.2 | 60,000 | 50.6 | 164.1 | 57,900 | | | | 115 |
| 120 | | | | 17.8 | 126.8 | 48,500* | 25.1 | 137.7 | 51,500* | 34.0 | 149.0 | 57,200* | 40.9 | 155.7 | 56,900 | 46.7 | 159.6 | 54,800 | | | | 120 |
| 125 | | | | | | | 16.9 | 124.2 | 48,200* | 28.3 | 140.5 | 53,300* | 36.3 | 149.3 | 54,000 | 42.6 | 154.4 | 52,100 | 48.0 | 157.0 | 50,200 | 125 |
| 130 | | | | | | | | | | 21.3 | 129.3 | 49,800* | 31.0 | 141.6 | 51,300 | 38.1 | 148.4 | 49,500 | 44.0 | 152.0 | 47,700 | 130 |
| 135 | | | | | | | | | | 10.3 | 110.7 | 46,600* | 24.7 | 131.8 | 48,800 | 33.1 | 141.2 | 47,100 | 39.6 | 146.3 | 45,400 | 135 |
| 140 | | | | | | | | | | | | | 16.2 | 117.8 | 46,500 | 27.3 | 132.4 | 44,900 | 34.8 | 139.5 | 43,300 | 140 |
| 145 | | | | | | | | | | | | | | | | 19.9 | 120.5 | 42,800 | 29.3 | 131.3 | 41,300 | 145 |
| 150 | | | | | | | | | | | | | | | | 6.7 | 98.1 | 40,800 | 22.5 | 120.7 | 39,500 | 150 |
| 155 | | | | | | | | | | | | | | | | | | | 12.6 | 104.1 | 37,700 | 155 |

MANITOWOC ENGINEERING CO.

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



LIFT CRANE LUFFING JIB CAPACITIES

DESIGNED AND TESTED
WITH THE INTENT TO BE
THE SCOPE OF ANSI B30.5

M-250 SERIES 2

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING**

85 FT. BOOM, 110 FT. JIB

| JIB OPER. RAD. FEET | 88 DEGREE BOOM ANGLE | | | 83 DEGREE BOOM ANGLE | | | 80 DEGREE BOOM ANGLE | | | 75 DEGREE BOOM ANGLE | | | 70 DEGREE BOOM ANGLE | | | 65 DEGREE BOOM ANGLE | | | 60 DEGREE BOOM ANGLE | | | JIB OPER. RAD. FEET |
|------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|------------------------------|
| | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | |
| 45 | 75.8 | 205.0 | 115,400* | | | | | | | | | | | | | | | | | | | 45 |
| 50 | 73.0 | 203.5 | 108,200* | | | | | | | | | | | | | | | | | | | 50 |
| 55 | 70.3 | 201.8 | 101,700* | | | | | | | | | | | | | | | | | | | 55 |
| 60 | 67.5 | 199.8 | 96,000* | | | | | | | | | | | | | | | | | | | 60 |
| 65 | 64.6 | 197.5 | 90,800* | 69.0 | 199.7 | 97,200* | | | | | | | | | | | | | | | | 65 |
| 70 | 61.7 | 194.9 | 86,100* | 66.2 | 197.6 | 91,900* | | | | | | | | | | | | | | | | 70 |
| 75 | 58.7 | 192.0 | 80,300* | 63.3 | 195.1 | 87,000* | 65.9 | 196.3 | 90,500* | | | | | | | | | | | | | 75 |
| 80 | 55.5 | 188.7 | 75,100* | 60.3 | 192.4 | 82,700* | 63.0 | 193.9 | 85,800* | | | | | | | | | | | | | 80 |
| 85 | 52.3 | 184.9 | 70,600* | 57.2 | 189.3 | 78,700* | 60.0 | 191.1 | 81,500* | | | | | | | | | | | | | 85 |
| 90 | 48.9 | 180.7 | 66,700* | 54.1 | 185.8 | 75,100* | 57.0 | 187.9 | 77,600* | 61.5 | 190.2 | 82,200* | | | | | | | | | | 90 |
| 95 | 45.3 | 176.0 | 63,200* | 50.7 | 181.8 | 71,800* | 53.8 | 184.4 | 74,000* | 58.5 | 187.2 | 78,300* | | | | | | | | | | 95 |
| 100 | 41.4 | 170.5 | 58,900* | 47.2 | 177.4 | 66,300* | 50.4 | 180.4 | 70,800* | 55.3 | 183.9 | 73,700 | | | | | | | | | | 100 |
| 105 | 37.3 | 164.3 | 54,900* | 43.5 | 172.3 | 61,400* | 46.9 | 175.9 | 65,800* | 52.1 | 180.1 | 69,300 | 56.7 | 182.5 | 66,800 | | | | | | | 105 |
| 110 | 32.6 | 157.0 | 51,300* | 39.6 | 166.5 | 57,000* | 43.2 | 170.8 | 61,000* | 48.7 | 175.9 | 65,300 | 53.5 | 178.9 | 63,000 | | | | | | | 110 |
| 115 | 27.3 | 148.1 | 48,000* | 35.2 | 159.8 | 53,200* | 39.2 | 164.9 | 56,700* | 45.1 | 171.1 | 61,800 | 50.2 | 174.9 | 59,600 | | | | | | | 115 |
| 120 | 20.8 | 136.5 | 45,100* | 30.3 | 151.9 | 49,700* | 34.8 | 158.1 | 52,900* | 41.2 | 165.6 | 58,500 | 46.7 | 170.4 | 56,400 | 51.5 | 173.0 | 54,400 | | | | 120 |
| 125 | 10.7 | 117.9 | 40,800* | 24.5 | 141.9 | 46,600* | 29.8 | 150.0 | 49,500* | 37.0 | 159.3 | 54,700* | 42.9 | 165.2 | 53,500 | 48.1 | 168.6 | 51,600 | | | | 125 |
| 130 | | | | 16.9 | 128.2 | 43,800* | 23.9 | 139.9 | 46,400* | 32.3 | 151.9 | 51,100* | 38.9 | 159.3 | 50,900 | 44.4 | 163.7 | 49,000 | | | | 130 |
| 135 | | | | | | | 16.0 | 125.6 | 43,600* | 27.0 | 142.9 | 47,900* | 34.5 | 152.4 | 48,500 | 40.5 | 158.1 | 46,700 | 45.6 | 161.2 | 45,000 | 135 |
| 140 | | | | | | | | | | 20.3 | 131.1 | 45,000* | 29.5 | 144.2 | 46,200 | 36.3 | 151.7 | 44,500 | 41.8 | 155.9 | 42,900 | 140 |
| 145 | | | | | | | | | | 9.8 | 111.5 | 42,300* | 23.5 | 133.9 | 44,100 | 31.5 | 144.0 | 42,500 | 37.7 | 149.7 | 40,900 | 145 |
| 150 | | | | | | | | | | | | | 15.4 | 119.1 | 42,100 | 26.0 | 134.7 | 40,600 | 33.1 | 142.5 | 39,100 | 150 |
| 155 | | | | | | | | | | | | | | | | 18.9 | 122.1 | 38,800 | 27.8 | 133.8 | 37,400 | 155 |
| 160 | | | | | | | | | | | | | | | | 6.4 | 98.6 | 37,000 | 21.4 | 122.5 | 35,800 | 160 |
| 165 | | | | | | | | | | | | | | | | | | | 12.0 | 105.1 | 34,200 | 165 |

MANITOWOC ENGINEERING CO.

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



LIFT CRANE LUFFING JIB CAPACITIES

DESIGNED AND TESTED
WITH THE INTENT TO BE
THE SCOPE OF ANSI B30.5

M-250 SERIES 2

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING**

85 FT. BOOM, 120 FT. JIB

| JIB OPER. RAD. FEET | 88 DEGREE BOOM ANGLE | | | 83 DEGREE BOOM ANGLE | | | 80 DEGREE BOOM ANGLE | | | 75 DEGREE BOOM ANGLE | | | 70 DEGREE BOOM ANGLE | | | 65 DEGREE BOOM ANGLE | | | 60 DEGREE BOOM ANGLE | | | JIB OPER. RAD. FEET |
|---------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|---------------------|
| | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | |
| 50 | 74.5 | 214.0 | 105,200* | | | | | | | | | | | | | | | | | | | 50 |
| 55 | 72.0 | 212.4 | 99,000* | | | | | | | | | | | | | | | | | | | 55 |
| 60 | 69.5 | 210.6 | 93,500* | | | | | | | | | | | | | | | | | | | 60 |
| 65 | 66.9 | 208.6 | 88,500* | 70.8 | 210.4 | 94,700* | | | | | | | | | | | | | | | | 65 |
| 70 | 64.2 | 206.2 | 84,000* | 68.3 | 208.5 | 89,600* | | | | | | | | | | | | | | | | 70 |
| 75 | 61.5 | 203.6 | 79,900* | 65.7 | 206.3 | 84,900* | | | | | | | | | | | | | | | | 75 |
| 80 | 58.8 | 200.6 | 75,100* | 63.0 | 203.8 | 80,600* | 65.4 | 205.0 | 83,700* | | | | | | | | | | | | | 80 |
| 85 | 55.9 | 197.4 | 70,400* | 60.3 | 201.0 | 76,800* | 62.8 | 202.5 | 79,500* | | | | | | | | | | | | | 85 |
| 90 | 53.0 | 193.7 | 66,300* | 57.5 | 198.0 | 73,200* | 60.0 | 199.7 | 75,700* | | | | | | | | | | | | | 90 |
| 95 | 49.9 | 189.6 | 62,800* | 54.6 | 194.5 | 70,000* | 57.2 | 196.6 | 72,200* | 61.4 | 198.9 | 76,300* | | | | | | | | | | 95 |
| 100 | 46.6 | 185.1 | 58,500* | 51.6 | 190.7 | 65,900* | 54.3 | 193.1 | 69,100* | 58.6 | 195.9 | 72,800* | | | | | | | | | | 100 |
| 105 | 43.2 | 180.0 | 54,500* | 48.4 | 186.4 | 61,000* | 51.3 | 189.2 | 65,400* | 55.7 | 192.6 | 68,800* | | | | | | | | | | 105 |
| 110 | 39.6 | 174.2 | 50,800* | 45.1 | 181.6 | 56,600* | 48.1 | 184.9 | 60,600* | 52.8 | 188.9 | 64,900* | 57.0 | 191.2 | 62,500* | | | | | | | 110 |
| 115 | 35.6 | 167.5 | 47,600* | 41.6 | 176.1 | 52,800* | 44.8 | 180.1 | 56,300* | 49.7 | 184.8 | 61,300* | 54.1 | 187.7 | 59,000* | | | | | | | 115 |
| 120 | 31.2 | 159.8 | 44,700* | 37.8 | 170.0 | 49,300* | 41.3 | 174.6 | 52,500* | 46.4 | 180.2 | 58,000* | 51.1 | 183.8 | 55,900* | | | | | | | 120 |
| 125 | 26.1 | 150.4 | 42,000* | 33.6 | 162.9 | 46,200* | 37.4 | 168.3 | 49,100* | 43.0 | 175.1 | 54,300* | 47.9 | 179.4 | 53,000* | 52.3 | 181.8 | 51,000* | | | | 125 |
| 130 | 19.8 | 138.2 | 39,600* | 29.0 | 154.4 | 43,400* | 33.2 | 161.1 | 46,000* | 39.3 | 169.2 | 50,700* | 44.6 | 174.5 | 50,400* | 49.1 | 177.6 | 48,500* | | | | 130 |
| 135 | 10.2 | 118.8 | 35,900* | 23.4 | 144.0 | 40,900* | 28.5 | 152.6 | 43,200* | 35.4 | 162.5 | 47,500* | 41.0 | 169.0 | 48,000* | 45.9 | 172.9 | 46,200* | | | | 135 |
| 140 | | | | 16.2 | 129.6 | 38,500* | 22.9 | 141.9 | 40,700* | 30.9 | 154.7 | 44,600* | 37.2 | 162.7 | 45,700* | 42.4 | 167.7 | 44,000* | 46.9 | 170.3 | 42,300* | 140 |
| 145 | | | | | | | 15.3 | 126.9 | 38,400* | 25.8 | 145.2 | 41,900* | 32.9 | 155.4 | 43,700* | 38.7 | 161.7 | 42,000* | 43.5 | 165.3 | 40,400* | 145 |
| 150 | | | | | | | | | | 19.4 | 132.8 | 39,500* | 28.2 | 146.7 | 41,700* | 34.6 | 154.8 | 40,100* | 39.9 | 159.5 | 38,600* | 150 |
| 155 | | | | | | | | | | 9.3 | 112.3 | 37,200* | 22.4 | 135.8 | 39,900* | 30.1 | 146.7 | 38,400* | 36.0 | 153.0 | 36,900* | 155 |
| 160 | | | | | | | | | | | | | 14.7 | 120.4 | 38,200* | 24.8 | 136.9 | 36,700* | 31.6 | 145.3 | 35,300* | 160 |
| 165 | | | | | | | | | | | | | | | | 18.1 | 123.7 | 35,200* | 26.6 | 136.1 | 33,800* | 165 |
| 170 | | | | | | | | | | | | | | | | 6.1 | 99.0 | 33,600* | 20.5 | 124.3 | 32,400* | 170 |
| 175 | | | | | | | | | | | | | | | | | | | 11.5 | 106.1 | 31,100* | 175 |

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

DESIGNED AND TESTED
WITH THE INTENT TO BE
THE SCOPE OF ANSI B30.5

M-250 SERIES 2

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING**

85 FT. BOOM, 130 FT. JIB

| JIB OPER. RAD. FEET | 88 DEGREE BOOM ANGLE | | | 83 DEGREE BOOM ANGLE | | | 80 DEGREE BOOM ANGLE | | | 75 DEGREE BOOM ANGLE | | | 70 DEGREE BOOM ANGLE | | | 65 DEGREE BOOM ANGLE | | | 60 DEGREE BOOM ANGLE | | | JIB OPER. RAD. FEET |
|---------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|---------------------|
| | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | |
| 50 | 75.7 | 224.4 | 102,400* | | | | | | | | | | | | | | | | | | | 50 |
| 55 | 73.4 | 222.9 | 96,600* | | | | | | | | | | | | | | | | | | | 55 |
| 60 | 71.1 | 221.3 | 91,300* | | | | | | | | | | | | | | | | | | | 60 |
| 65 | 68.8 | 219.4 | 86,500* | | | | | | | | | | | | | | | | | | | 65 |
| 70 | 66.4 | 217.3 | 82,100* | 70.0 | 219.2 | 87,500* | | | | | | | | | | | | | | | | 70 |
| 75 | 63.9 | 214.9 | 78,100* | 67.7 | 217.2 | 83,000* | | | | | | | | | | | | | | | | 75 |
| 80 | 61.4 | 212.2 | 74,500* | 65.2 | 215.0 | 78,900* | 67.4 | 216.0 | 81,800* | | | | | | | | | | | | | 80 |
| 85 | 58.9 | 209.3 | 70,600* | 62.8 | 212.5 | 75,200* | 65.0 | 213.7 | 77,800* | | | | | | | | | | | | | 85 |
| 90 | 56.2 | 206.1 | 66,400* | 60.3 | 209.7 | 71,700* | 62.6 | 211.2 | 74,100* | | | | | | | | | | | | | 90 |
| 95 | 53.5 | 202.5 | 62,700* | 57.7 | 206.6 | 68,500* | 60.0 | 208.4 | 70,700* | | | | | | | | | | | | | 95 |
| 100 | 50.7 | 198.5 | 58,400* | 55.0 | 203.2 | 65,600* | 57.4 | 205.3 | 67,600* | 61.3 | 207.5 | 71,200* | | | | | | | | | | 100 |
| 105 | 47.8 | 194.1 | 54,300* | 52.2 | 199.5 | 60,800* | 54.8 | 201.9 | 64,800* | 58.7 | 204.6 | 68,100* | | | | | | | | | | 105 |
| 110 | 44.7 | 189.2 | 50,700* | 49.4 | 195.3 | 56,500* | 52.0 | 198.1 | 60,500* | 56.1 | 201.3 | 64,600 | | | | | | | | | | 110 |
| 115 | 41.4 | 183.8 | 47,500* | 46.4 | 190.7 | 52,600* | 49.1 | 193.9 | 56,200* | 53.4 | 197.7 | 61,100 | 57.3 | 199.9 | 58,800 | | | | | | | 115 |
| 120 | 37.9 | 177.6 | 44,500* | 43.2 | 185.6 | 49,200* | 46.1 | 189.2 | 52,300* | 50.5 | 193.7 | 57,800 | 54.6 | 196.4 | 55,700 | | | | | | | 120 |
| 125 | 34.1 | 170.6 | 41,900* | 39.9 | 179.8 | 46,100* | 42.9 | 184.0 | 48,900* | 47.6 | 189.3 | 54,200* | 51.8 | 192.6 | 52,800 | | | | | | | 125 |
| 130 | 29.9 | 162.4 | 39,400* | 36.2 | 173.3 | 43,300* | 39.5 | 178.2 | 45,900* | 44.5 | 184.3 | 50,600* | 48.9 | 188.4 | 50,200 | 52.9 | 190.6 | 48,300 | | | | 130 |
| 135 | 25.1 | 152.6 | 37,200* | 32.3 | 165.8 | 40,800* | 35.9 | 171.6 | 43,100* | 41.2 | 178.8 | 47,300* | 45.9 | 183.7 | 47,800 | 50.0 | 186.5 | 45,900 | | | | 135 |
| 140 | 19.0 | 139.9 | 35,200* | 27.8 | 156.9 | 38,400* | 31.9 | 164.0 | 40,600* | 37.7 | 172.6 | 44,400* | 42.7 | 178.4 | 45,600 | 47.1 | 182.0 | 43,800 | | | | 140 |
| 145 | 9.8 | 119.6 | 32,000* | 22.5 | 146.0 | 36,300* | 27.3 | 155.0 | 38,200* | 33.9 | 165.6 | 41,800* | 39.3 | 172.6 | 43,500 | 44.0 | 177.0 | 41,800 | | | | 145 |
| 150 | | | | 15.5 | 131.0 | 34,300* | 21.9 | 143.8 | 36,100* | 29.6 | 157.3 | 39,400* | 35.6 | 165.9 | 41,600 | 40.7 | 171.4 | 39,900 | 45.0 | 174.5 | 38,400 | 150 |
| 155 | | | | | | | 14.7 | 128.2 | 34,200* | 24.7 | 147.3 | 37,200* | 31.6 | 158.2 | 39,800 | 37.1 | 165.1 | 38,200 | 41.7 | 169.1 | 36,700 | 155 |
| 160 | | | | | | | | | | 18.6 | 134.4 | 35,100* | 27.0 | 149.1 | 38,100 | 33.2 | 157.8 | 36,600 | 38.3 | 163.0 | 35,100 | 160 |
| 165 | | | | | | | | | | 8.9 | 113.1 | 33,100* | 21.5 | 137.7 | 36,000* | 28.9 | 149.3 | 35,100 | 34.5 | 156.1 | 33,700 | 165 |
| 170 | | | | | | | | | | | | | 14.1 | 121.6 | 34,100* | 23.8 | 138.9 | 33,600 | 30.3 | 148.1 | 32,300 | 170 |
| 175 | | | | | | | | | | | | | | | | 17.4 | 125.2 | 32,300 | 25.5 | 138.4 | 31,000 | 175 |
| 180 | | | | | | | | | | | | | | | | 5.8 | 99.5 | 30,900 | 19.6 | 126.0 | 29,700 | 180 |
| 185 | | | | | | | | | | | | | | | | | | | 11.0 | 107.0 | 28,500 | 185 |

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

DESIGNED AND TESTED
WITH THE INTENT TO BE
THE SCOPE OF ANSI B30.5

M-250 SERIES 2

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING**

85 FT. BOOM, 140 FT. JIB

| JIB OPER. RAD. FEET | 88 DEGREE BOOM ANGLE | | | 83 DEGREE BOOM ANGLE | | | 80 DEGREE BOOM ANGLE | | | 75 DEGREE BOOM ANGLE | | | 70 DEGREE BOOM ANGLE | | | 65 DEGREE BOOM ANGLE | | | 60 DEGREE BOOM ANGLE | | | JIB OPER. RAD. FEET |
|------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|------------------------------|
| | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | |
| 55 | 74.6 | 233.4 | 93,800* | | | | | | | | | | | | | | | | | | | 55 |
| 60 | 72.5 | 231.8 | 88,700* | | | | | | | | | | | | | | | | | | | 60 |
| 65 | 70.3 | 230.1 | 84,200* | | | | | | | | | | | | | | | | | | | 65 |
| 70 | 68.1 | 228.2 | 80,000* | | | | | | | | | | | | | | | | | | | 70 |
| 75 | 65.9 | 226.0 | 76,100* | 69.3 | 228.0 | 80,800* | | | | | | | | | | | | | | | | 75 |
| 80 | 63.6 | 223.6 | 72,600* | 67.1 | 226.0 | 76,900* | | | | | | | | | | | | | | | | 80 |
| 85 | 61.3 | 220.9 | 69,300* | 64.9 | 223.7 | 73,300* | 66.9 | 224.7 | 75,800* | | | | | | | | | | | | | 85 |
| 90 | 59.0 | 218.0 | 66,300* | 62.6 | 221.2 | 69,900* | 64.7 | 222.4 | 72,200* | | | | | | | | | | | | | 90 |
| 95 | 56.5 | 214.8 | 62,600* | 60.2 | 218.4 | 66,800* | 62.4 | 219.9 | 69,000* | | | | | | | | | | | | | 95 |
| 100 | 54.0 | 211.2 | 57,900* | 57.8 | 215.3 | 64,000* | 60.0 | 217.0 | 65,900* | | | | | | | | | | | | | 100 |
| 105 | 51.4 | 207.3 | 53,900* | 55.4 | 211.9 | 60,400* | 57.6 | 214.0 | 63,100* | 61.2 | 216.2 | 66,400* | | | | | | | | | | 105 |
| 110 | 48.7 | 203.1 | 50,200* | 52.8 | 208.2 | 56,000* | 55.1 | 210.6 | 60,000* | 58.8 | 213.2 | 63,500* | | | | | | | | | | 110 |
| 115 | 45.9 | 198.4 | 47,000* | 50.2 | 204.2 | 52,200* | 52.6 | 206.8 | 55,700* | 56.4 | 210.0 | 60,600 | | | | | | | | | | 115 |
| 120 | 43.0 | 193.2 | 44,100* | 47.5 | 199.7 | 48,700* | 50.0 | 202.8 | 51,900* | 53.9 | 206.4 | 57,400 | 57.5 | 208.5 | 55,100 | | | | | | | 120 |
| 125 | 39.8 | 187.4 | 41,400* | 44.6 | 194.8 | 45,600* | 47.2 | 198.3 | 48,500* | 51.3 | 202.5 | 53,700* | 55.0 | 205.1 | 52,300 | | | | | | | 125 |
| 130 | 36.5 | 180.9 | 39,000* | 41.6 | 189.4 | 42,800* | 44.3 | 193.3 | 45,400* | 48.6 | 198.2 | 50,100* | 52.4 | 201.4 | 49,700 | | | | | | | 130 |
| 135 | 32.8 | 173.6 | 36,800* | 38.3 | 183.3 | 40,300* | 41.3 | 187.8 | 42,600* | 45.7 | 193.5 | 46,900* | 49.8 | 197.3 | 47,300 | | | | | | | 135 |
| 140 | 28.8 | 165.0 | 34,700* | 34.9 | 176.4 | 38,000* | 38.0 | 181.7 | 40,100* | 42.8 | 188.3 | 44,000* | 47.0 | 192.7 | 45,100 | 50.8 | 195.4 | 43,300 | | | | 140 |
| 145 | 24.1 | 154.7 | 32,800* | 31.0 | 168.6 | 35,800* | 34.5 | 174.7 | 37,800* | 39.6 | 182.5 | 41,300* | 44.1 | 187.7 | 43,000 | 48.1 | 191.0 | 41,300 | | | | 145 |
| 150 | 18.3 | 141.5 | 31,100* | 26.7 | 159.3 | 33,900* | 30.7 | 166.7 | 35,700* | 36.3 | 175.9 | 38,900* | 41.1 | 182.2 | 41,100 | 45.3 | 186.2 | 39,400 | | | | 150 |
| 155 | 9.4 | 120.4 | 28,400* | 21.6 | 147.9 | 32,100* | 26.3 | 157.3 | 33,700* | 32.6 | 168.5 | 36,700* | 37.8 | 176.0 | 39,300 | 42.3 | 180.9 | 37,700 | 46.2 | 183.7 | 36,200 | 155 |
| 160 | | | | 14.9 | 132.2 | 30,400* | 21.1 | 145.6 | 31,900* | 28.5 | 159.9 | 34,700* | 34.3 | 169.0 | 37,700 | 39.1 | 175.0 | 36,100 | 43.2 | 178.5 | 34,600 | 160 |
| 165 | | | | | | | 14.1 | 129.4 | 30,200* | 23.8 | 149.4 | 32,800* | 30.4 | 160.9 | 35,600* | 35.7 | 168.3 | 34,600 | 40.1 | 172.8 | 33,200 | 165 |
| 170 | | | | | | | | | | 17.9 | 135.9 | 31,100* | 26.0 | 151.4 | 33,600* | 32.0 | 160.7 | 33,200 | 36.8 | 166.4 | 31,800 | 170 |
| 175 | | | | | | | | | | 8.6 | 113.8 | 29,300* | 20.7 | 139.5 | 31,800* | 27.8 | 151.8 | 31,900 | 33.2 | 159.1 | 30,500 | 175 |
| 180 | | | | | | | | | | | | | 13.6 | 122.8 | 30,200* | 22.9 | 141.0 | 30,600 | 29.2 | 150.7 | 29,300 | 180 |
| 185 | | | | | | | | | | | | | | | | 16.7 | 126.7 | 29,400 | 24.6 | 140.6 | 28,100 | 185 |
| 190 | | | | | | | | | | | | | | | | 5.6 | 99.9 | 28,100 | 18.9 | 127.7 | 27,000 | 190 |
| 195 | | | | | | | | | | | | | | | | | | | 10.6 | 107.9 | 25,900 | 195 |

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

DESIGNED AND TESTED
WITH THE INTENT TO BE
THE SCOPE OF ANSI B30.5

M-250 SERIES 2

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING**

85 FT. BOOM, 150 FT. JIB

| JIB OPER. RAD. FEET | 88 DEGREE BOOM ANGLE | | | 83 DEGREE BOOM ANGLE | | | 80 DEGREE BOOM ANGLE | | | 75 DEGREE BOOM ANGLE | | | 70 DEGREE BOOM ANGLE | | | 65 DEGREE BOOM ANGLE | | | 60 DEGREE BOOM ANGLE | | | JIB OPER. RAD. FEET |
|------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|------------------------------|
| | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | |
| 55 | 75.7 | 243.7 | 91,300* | | | | | | | | | | | | | | | | | | | 55 |
| 60 | 73.7 | 242.3 | 85,800* | | | | | | | | | | | | | | | | | | | 60 |
| 65 | 71.7 | 240.7 | 81,500* | | | | | | | | | | | | | | | | | | | 65 |
| 70 | 69.7 | 238.9 | 77,600* | | | | | | | | | | | | | | | | | | | 70 |
| 75 | 67.6 | 236.9 | 73,900* | 70.8 | 238.7 | 78,400* | | | | | | | | | | | | | | | | 75 |
| 80 | 65.5 | 234.7 | 70,600* | 68.7 | 236.8 | 74,600* | | | | | | | | | | | | | | | | 80 |
| 85 | 63.4 | 232.2 | 67,500* | 66.7 | 234.7 | 71,200* | | | | | | | | | | | | | | | | 85 |
| 90 | 61.2 | 229.6 | 64,600* | 64.6 | 232.4 | 68,000* | 66.5 | 233.4 | 70,200* | | | | | | | | | | | | | 90 |
| 95 | 59.0 | 226.6 | 61,900* | 62.4 | 229.8 | 65,100* | 64.4 | 231.1 | 67,100* | | | | | | | | | | | | | 95 |
| 100 | 56.8 | 223.4 | 59,000* | 60.2 | 227.0 | 62,300* | 62.2 | 228.5 | 64,200* | | | | | | | | | | | | | 100 |
| 105 | 54.4 | 220.0 | 54,800* | 58.0 | 224.0 | 59,800* | 60.0 | 225.7 | 61,400* | | | | | | | | | | | | | 105 |
| 110 | 52.0 | 216.2 | 51,000* | 55.7 | 220.6 | 57,000* | 57.8 | 222.6 | 59,000* | 61.1 | 224.8 | 61,800* | | | | | | | | | | 110 |
| 115 | 49.5 | 212.0 | 47,700* | 53.3 | 217.0 | 53,000* | 55.5 | 219.3 | 56,600* | 58.9 | 221.9 | 59,300* | | | | | | | | | | 115 |
| 120 | 47.0 | 207.5 | 44,700* | 50.9 | 213.1 | 49,500* | 53.1 | 215.6 | 52,700* | 56.6 | 218.7 | 56,900 | | | | | | | | | | 120 |
| 125 | 44.3 | 202.5 | 42,000* | 48.4 | 208.7 | 46,300* | 50.7 | 211.6 | 49,200* | 54.3 | 215.2 | 54,000 | 57.6 | 217.2 | 51,800 | | | | | | | 125 |
| 130 | 41.4 | 197.0 | 39,500* | 45.7 | 204.0 | 43,400* | 48.1 | 207.3 | 46,000* | 51.9 | 211.3 | 50,900* | 55.3 | 213.8 | 49,200 | | | | | | | 130 |
| 135 | 38.4 | 190.9 | 37,200* | 43.0 | 198.8 | 40,800* | 45.5 | 202.5 | 43,200* | 49.4 | 207.2 | 47,600* | 53.0 | 210.2 | 46,800 | | | | | | | 135 |
| 140 | 35.2 | 184.1 | 35,100* | 40.1 | 193.0 | 38,400* | 42.7 | 197.2 | 40,600* | 46.8 | 202.6 | 44,600* | 50.5 | 206.1 | 44,600 | | | | | | | 140 |
| 145 | 31.7 | 176.4 | 33,000* | 37.0 | 186.7 | 36,300* | 39.8 | 191.4 | 38,200* | 44.1 | 197.6 | 41,900* | 48.0 | 201.8 | 42,600 | 51.5 | 204.2 | 40,800 | | | | 145 |
| 150 | 27.8 | 167.5 | 31,100* | 33.6 | 179.5 | 34,200* | 36.7 | 185.0 | 36,100* | 41.3 | 192.1 | 39,400* | 45.3 | 196.9 | 40,700 | 49.0 | 200.0 | 39,000 | | | | 150 |
| 155 | 23.3 | 156.8 | 29,300* | 29.9 | 171.2 | 32,200* | 33.3 | 177.7 | 34,100* | 38.2 | 186.0 | 37,100* | 42.5 | 191.7 | 38,900 | 46.4 | 195.3 | 37,300 | | | | 155 |
| 160 | 17.7 | 143.0 | 27,500* | 25.8 | 161.6 | 30,400* | 29.6 | 169.4 | 32,100* | 35.0 | 179.1 | 35,100* | 39.6 | 185.8 | 37,200 | 43.6 | 190.2 | 35,700 | 47.2 | 192.7 | 34,100 | 160 |
| 165 | 9.1 | 121.2 | 24,400* | 20.9 | 149.7 | 28,600* | 25.4 | 159.6 | 30,300* | 31.5 | 171.3 | 33,200* | 36.5 | 179.3 | 35,700 | 40.8 | 184.6 | 34,200 | 44.5 | 187.8 | 32,700 | 165 |
| 170 | | | | 14.4 | 133.5 | 26,900* | 20.4 | 147.4 | 28,500* | 27.5 | 162.3 | 31,300* | 33.1 | 172.0 | 34,000* | 37.7 | 178.4 | 32,800 | 41.7 | 182.3 | 31,300 | 170 |
| 175 | | | | | | | 13.6 | 130.6 | 26,800* | 23.0 | 151.5 | 29,500* | 29.3 | 163.6 | 32,200* | 34.4 | 171.4 | 31,400 | 38.7 | 176.3 | 30,100 | 175 |
| 180 | | | | | | | | | | 17.3 | 137.4 | 27,700* | 25.1 | 153.6 | 30,300* | 30.8 | 163.4 | 30,200 | 35.5 | 169.6 | 28,900 | 180 |
| 185 | | | | | | | | | | 8.3 | 114.5 | 25,900* | 20.0 | 141.3 | 28,600* | 26.8 | 154.2 | 29,000 | 32.0 | 162.0 | 27,700 | 185 |
| 190 | | | | | | | | | | | | | 13.1 | 123.9 | 26,900* | 22.1 | 142.9 | 27,900 | 28.2 | 153.2 | 26,600 | 190 |
| 195 | | | | | | | | | | | | | | | | 16.1 | 128.1 | 26,800 | 23.7 | 142.7 | 25,600 | 195 |
| 200 | | | | | | | | | | | | | | | | 5.3 | 100.4 | 25,700 | 18.2 | 129.3 | 24,600 | 200 |
| 205 | | | | | | | | | | | | | | | | | | | 10.2 | 108.8 | 23,600 | 205 |

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

DESIGNED AND TESTED
WITH THE INTENT TO BE
THE SCOPE OF ANSI B30.5

M-250 SERIES 2

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING**

85 FT. BOOM, 160 FT. JIB

| JIB OPER. RAD. FEET | 88 DEGREE BOOM ANGLE | | | 83 DEGREE BOOM ANGLE | | | 80 DEGREE BOOM ANGLE | | | 75 DEGREE BOOM ANGLE | | | 70 DEGREE BOOM ANGLE | | | 65 DEGREE BOOM ANGLE | | | 60 DEGREE BOOM ANGLE | | | JIB OPER. RAD. FEET |
|------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|------------------------------|
| | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | |
| 60 | 74.8 | 252.7 | 82,600* | | | | | | | | | | | | | | | | | | | 60 |
| 65 | 72.9 | 251.2 | 78,000* | | | | | | | | | | | | | | | | | | | 65 |
| 70 | 71.0 | 249.6 | 75,400* | | | | | | | | | | | | | | | | | | | 70 |
| 75 | 69.1 | 247.7 | 71,900* | | | | | | | | | | | | | | | | | | | 75 |
| 80 | 67.2 | 245.6 | 68,700* | 70.1 | 247.5 | 72,500* | | | | | | | | | | | | | | | | 80 |
| 85 | 65.2 | 243.4 | 65,700* | 68.2 | 245.6 | 69,300* | | | | | | | | | | | | | | | | 85 |
| 90 | 63.2 | 240.9 | 62,900* | 66.2 | 243.4 | 66,200* | 68.0 | 244.3 | 68,200* | | | | | | | | | | | | | 90 |
| 95 | 61.2 | 238.2 | 60,300* | 64.3 | 241.1 | 63,400* | 66.1 | 242.1 | 65,300* | | | | | | | | | | | | | 95 |
| 100 | 59.1 | 235.3 | 57,900* | 62.3 | 238.5 | 60,700* | 64.1 | 239.8 | 62,500* | | | | | | | | | | | | | 100 |
| 105 | 57.0 | 232.1 | 54,200* | 60.2 | 235.7 | 58,200* | 62.1 | 237.2 | 59,900* | | | | | | | | | | | | | 105 |
| 110 | 54.8 | 228.7 | 50,500* | 58.1 | 232.6 | 55,900* | 60.0 | 234.4 | 57,500* | | | | | | | | | | | | | 110 |
| 115 | 52.6 | 224.9 | 47,200* | 56.0 | 229.3 | 52,500* | 57.9 | 231.3 | 55,200* | 61.0 | 233.5 | 57,700* | | | | | | | | | | 115 |
| 120 | 50.2 | 220.9 | 44,200* | 53.8 | 225.8 | 48,900* | 55.8 | 228.0 | 52,200* | 59.0 | 230.6 | 55,400* | | | | | | | | | | 120 |
| 125 | 47.9 | 216.5 | 41,400* | 51.5 | 221.9 | 45,800* | 53.6 | 224.4 | 48,700* | 56.8 | 227.4 | 53,300* | | | | | | | | | | 125 |
| 130 | 45.4 | 211.7 | 38,900* | 49.2 | 217.7 | 42,900* | 51.3 | 220.5 | 45,500* | 54.7 | 223.9 | 50,400* | 57.8 | 225.9 | 48,700 | | | | | | | 130 |
| 135 | 42.8 | 206.4 | 36,700* | 46.7 | 213.1 | 40,300* | 48.9 | 216.2 | 42,700* | 52.4 | 220.1 | 47,000* | 55.6 | 222.5 | 46,300 | | | | | | | 135 |
| 140 | 40.0 | 200.7 | 34,600* | 44.2 | 208.1 | 37,900* | 46.5 | 211.6 | 40,100* | 50.1 | 216.1 | 44,000* | 53.4 | 218.9 | 44,100 | | | | | | | 140 |
| 145 | 37.1 | 194.3 | 32,700* | 41.5 | 202.6 | 35,700* | 44.0 | 206.6 | 37,700* | 47.7 | 211.6 | 41,300* | 51.1 | 215.0 | 42,100 | | | | | | | 145 |
| 150 | 34.0 | 187.2 | 30,900* | 38.7 | 196.6 | 33,700* | 41.3 | 201.0 | 35,500* | 45.2 | 206.8 | 38,900* | 48.8 | 210.7 | 40,200 | 52.0 | 213.0 | 38,400 | | | | 150 |
| 155 | 30.6 | 179.1 | 29,100* | 35.7 | 189.9 | 31,900* | 38.5 | 195.0 | 33,600* | 42.6 | 201.5 | 36,600* | 46.3 | 206.1 | 38,400 | 49.7 | 208.9 | 36,700 | | | | 155 |
| 160 | 26.9 | 169.9 | 27,400* | 32.5 | 182.4 | 30,100* | 35.5 | 188.2 | 31,700* | 39.9 | 195.7 | 34,500* | 43.8 | 201.0 | 36,700 | 47.3 | 204.4 | 35,100 | | | | 160 |
| 165 | 22.5 | 158.7 | 25,800* | 29.0 | 173.8 | 28,400* | 32.2 | 180.6 | 30,000* | 37.0 | 189.3 | 32,600* | 41.1 | 195.4 | 35,200 | 44.8 | 199.5 | 33,700 | | | | 165 |
| 170 | 17.1 | 144.5 | 24,300* | 24.9 | 163.8 | 26,800* | 28.6 | 171.9 | 28,300* | 33.8 | 182.2 | 30,900* | 38.3 | 189.3 | 33,500* | 42.2 | 194.1 | 32,300 | 45.6 | 197.0 | 30,800 | 170 |
| 175 | 8.8 | 121.9 | 21,500* | 20.2 | 151.5 | 25,200* | 24.6 | 161.7 | 26,700* | 30.4 | 174.0 | 29,200* | 35.3 | 182.5 | 31,700* | 39.4 | 188.2 | 30,900 | 43.0 | 191.7 | 29,500 | 175 |
| 180 | | | | 13.9 | 134.7 | 23,700* | 19.7 | 149.1 | 25,200* | 26.6 | 164.7 | 27,600* | 32.0 | 174.9 | 30,000* | 36.5 | 181.7 | 29,700 | 40.3 | 186.0 | 28,300 | 180 |
| 185 | | | | | | | 13.2 | 131.7 | 23,600* | 22.2 | 153.4 | 26,000* | 28.4 | 166.1 | 28,400* | 33.3 | 174.4 | 28,500 | 37.4 | 179.7 | 27,200 | 185 |
| 190 | | | | | | | | | | 16.7 | 138.9 | 24,500* | 24.3 | 155.8 | 26,800* | 29.8 | 166.1 | 27,400 | 34.3 | 172.7 | 26,100 | 190 |
| 195 | | | | | | | | | | 8.0 | 115.1 | 22,900* | 19.3 | 143.0 | 25,300* | 25.9 | 156.5 | 26,400 | 31.0 | 164.7 | 25,100 | 195 |
| 200 | | | | | | | | | | | | | 12.6 | 125.0 | 23,700* | 21.4 | 144.8 | 25,300 | 27.2 | 155.6 | 24,200 | 200 |
| 205 | | | | | | | | | | | | | | | | 15.6 | 129.4 | 24,400 | 22.9 | 144.7 | 23,200 | 205 |
| 210 | | | | | | | | | | | | | | | | 5.2 | 100.8 | 22,800* | 17.6 | 130.8 | 22,300 | 210 |
| 215 | | | | | | | | | | | | | | | | | | | 9.8 | 109.6 | 21,500 | 215 |

MANITOWOC ENGINEERING CO.

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M-250 SERIES 2

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FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING**

85 FT. BOOM, 170 FT. JIB

| JIB OPER. RAD. FEET | 88 DEGREE BOOM ANGLE | | | 83 DEGREE BOOM ANGLE | | | 80 DEGREE BOOM ANGLE | | | 75 DEGREE BOOM ANGLE | | | 70 DEGREE BOOM ANGLE | | | 65 DEGREE BOOM ANGLE | | | 60 DEGREE BOOM ANGLE | | | JIB OPER. RAD. FEET |
|---------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|---------------------|
| | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | |
| 60 | 75.7 | 263.1 | 76,700* | | | | | | | | | | | | | | | | | | | 60 |
| 65 | 73.9 | 261.7 | 73,900* | | | | | | | | | | | | | | | | | | | 65 |
| 70 | 72.2 | 260.1 | 71,000* | | | | | | | | | | | | | | | | | | | 70 |
| 75 | 70.4 | 258.4 | 68,300* | | | | | | | | | | | | | | | | | | | 75 |
| 80 | 68.6 | 256.5 | 67,000* | | | | | | | | | | | | | | | | | | | 80 |
| 85 | 66.7 | 254.4 | 64,100* | 69.5 | 256.3 | 66,100* | | | | | | | | | | | | | | | | 85 |
| 90 | 64.9 | 252.1 | 61,400* | 67.7 | 254.3 | 63,500* | | | | | | | | | | | | | | | | 90 |
| 95 | 63.0 | 249.6 | 58,900* | 65.9 | 252.1 | 61,900* | 67.6 | 253.1 | 63,700* | | | | | | | | | | | | | 95 |
| 100 | 61.1 | 246.9 | 56,600* | 64.0 | 249.7 | 59,300* | 65.7 | 250.9 | 61,000* | | | | | | | | | | | | | 100 |
| 105 | 59.1 | 244.0 | 54,000* | 62.1 | 247.1 | 56,900* | 63.9 | 248.5 | 58,500* | | | | | | | | | | | | | 105 |
| 110 | 57.1 | 240.8 | 50,200* | 60.2 | 244.3 | 54,700* | 62.0 | 245.9 | 56,200* | | | | | | | | | | | | | 110 |
| 115 | 55.1 | 237.4 | 46,900* | 58.2 | 241.3 | 52,200* | 60.0 | 243.0 | 53,800 | 62.9 | 244.9 | 50,600 | | | | | | | | | | 115 |
| 120 | 53.0 | 233.7 | 43,900* | 56.2 | 238.0 | 48,700* | 58.0 | 240.0 | 50,700 | 61.0 | 242.2 | 47,600 | | | | | | | | | | 120 |
| 125 | 50.9 | 229.7 | 41,100* | 54.1 | 234.5 | 45,500* | 56.0 | 236.7 | 47,800 | 59.0 | 239.2 | 44,900 | | | | | | | | | | 125 |
| 130 | 48.6 | 225.4 | 38,600* | 52.0 | 230.7 | 42,600* | 54.0 | 233.1 | 45,200* | 57.0 | 236.0 | 42,400 | | | | | | | | | | 130 |
| 135 | 46.3 | 220.8 | 36,400* | 49.8 | 226.6 | 40,000* | 51.8 | 229.3 | 42,400* | 55.0 | 232.6 | 40,100 | 57.9 | 234.6 | 37,500 | | | | | | | 135 |
| 140 | 43.9 | 215.7 | 34,300* | 47.6 | 222.1 | 37,600* | 49.6 | 225.1 | 39,800* | 52.9 | 228.9 | 38,000 | 55.9 | 231.2 | 35,500 | | | | | | | 140 |
| 145 | 41.4 | 210.2 | 32,400* | 45.2 | 217.3 | 35,400* | 47.4 | 220.6 | 37,400* | 50.7 | 224.9 | 36,000 | 53.8 | 227.7 | 33,600 | | | | | | | 145 |
| 150 | 38.8 | 204.2 | 30,600* | 42.8 | 212.0 | 33,400* | 45.0 | 215.8 | 35,300* | 48.5 | 220.6 | 34,200 | 51.7 | 223.8 | 31,900 | | | | | | | 150 |
| 155 | 36.0 | 197.5 | 29,000* | 40.2 | 206.3 | 31,600* | 42.6 | 210.5 | 33,300* | 46.2 | 215.9 | 32,500 | 49.5 | 219.6 | 30,300 | 52.5 | 221.8 | 28,100 | | | | 155 |
| 160 | 33.0 | 190.1 | 27,300* | 37.5 | 200.0 | 29,900* | 40.0 | 204.7 | 31,400* | 43.8 | 210.8 | 31,000 | 47.2 | 215.1 | 28,800 | 50.4 | 217.7 | 26,600 | | | | 160 |
| 165 | 29.7 | 181.8 | 25,800* | 34.6 | 193.0 | 28,300* | 37.3 | 198.3 | 29,700* | 41.3 | 205.3 | 29,500 | 44.9 | 210.2 | 27,400 | 48.1 | 213.4 | 25,300 | | | | 165 |
| 170 | 26.0 | 172.2 | 24,400* | 31.5 | 185.2 | 26,700* | 34.4 | 191.3 | 28,200* | 38.6 | 199.2 | 28,100 | 42.4 | 204.9 | 26,000 | 45.8 | 208.6 | 24,000 | | | | 170 |
| 175 | 21.8 | 160.7 | 23,000* | 28.1 | 176.3 | 25,200* | 31.2 | 183.4 | 26,600* | 35.8 | 192.6 | 26,800 | 39.8 | 199.1 | 24,800 | 43.4 | 203.5 | 22,900 | 46.5 | 206.1 | 21,000 | 175 |
| 180 | 16.6 | 145.9 | 21,600* | 24.2 | 165.9 | 23,800* | 27.7 | 174.4 | 25,200* | 32.8 | 185.1 | 25,500 | 37.1 | 192.7 | 23,600 | 40.8 | 197.9 | 21,800 | 44.2 | 201.0 | 20,000 | 180 |
| 185 | 8.5 | 122.6 | 19,100* | 19.6 | 153.2 | 22,400* | 23.8 | 163.8 | 23,700* | 29.5 | 176.7 | 24,400 | 34.2 | 185.6 | 22,500 | 38.2 | 191.7 | 20,700 | 41.7 | 195.6 | 19,000 | 185 |
| 190 | | | | 13.5 | 135.8 | 21,100* | 19.1 | 150.8 | 22,400* | 25.8 | 167.0 | 23,300 | 31.0 | 177.6 | 21,500 | 35.3 | 184.9 | 19,700 | 39.0 | 189.6 | 18,000 | 190 |
| 195 | | | | | | | 12.8 | 132.8 | 21,000* | 21.5 | 155.3 | 22,200 | 27.5 | 168.5 | 20,500 | 32.2 | 177.3 | 18,800 | 36.2 | 183.0 | 17,100 | 195 |
| 200 | | | | | | | | | | 16.2 | 140.3 | 21,200 | 23.5 | 157.8 | 19,500 | 28.9 | 168.7 | 17,900 | 33.3 | 175.7 | 16,300 | 200 |
| 205 | | | | | | | | | | 7.7 | 115.8 | 20,100 | 18.7 | 144.6 | 18,600 | 25.1 | 158.7 | 17,000 | 30.0 | 167.4 | 15,500 | 205 |
| 210 | | | | | | | | | | | | | 12.2 | 126.0 | 17,700 | 20.7 | 146.6 | 16,200 | 26.4 | 157.9 | 14,700 | 210 |
| 215 | | | | | | | | | | | | | | | | 15.1 | 130.7 | 15,400 | 22.2 | 146.6 | 13,900 | 215 |
| 220 | | | | | | | | | | | | | | | | 5.0 | 101.2 | 14,500 | 17.1 | 132.3 | 13,200 | 220 |
| 225 | | | | | | | | | | | | | | | | | | | 9.5 | 110.4 | 12,500 | 225 |

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

DESIGNED AND TESTED
WITH THE INTENT TO BE
THE SCOPE OF ANSI B30.5

M-250 SERIES 2

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING**

85 FT. BOOM, 180 FT. JIB

| JIB OPER. RAD. FEET | 88 DEGREE BOOM ANGLE | | | 83 DEGREE BOOM ANGLE | | | 80 DEGREE BOOM ANGLE | | | 75 DEGREE BOOM ANGLE | | | 70 DEGREE BOOM ANGLE | | | 65 DEGREE BOOM ANGLE | | | 60 DEGREE BOOM ANGLE | | | JIB OPER. RAD. FEET |
|---------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|---------------------|
| | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | |
| 65 | 74.8 | 272.1 | 69,900* | | | | | | | | | | | | | | | | | | | 65 |
| 70 | 73.2 | 270.6 | 67,600* | | | | | | | | | | | | | | | | | | | 70 |
| 75 | 71.5 | 269.0 | 65,300* | | | | | | | | | | | | | | | | | | | 75 |
| 80 | 69.8 | 267.2 | 63,500* | | | | | | | | | | | | | | | | | | | 80 |
| 85 | 68.1 | 265.2 | 61,500* | 70.7 | 267.0 | 62,700* | | | | | | | | | | | | | | | | 85 |
| 90 | 66.4 | 263.1 | 59,700* | 69.0 | 265.1 | 60,600* | | | | | | | | | | | | | | | | 90 |
| 95 | 64.6 | 260.8 | 57,300* | 67.3 | 263.0 | 58,600* | | | | | | | | | | | | | | | | 95 |
| 100 | 62.8 | 258.3 | 55,000* | 65.6 | 260.8 | 57,000* | 67.2 | 261.8 | 59,200* | | | | | | | | | | | | | 100 |
| 105 | 61.0 | 255.6 | 52,900* | 63.8 | 258.4 | 55,400* | 65.4 | 259.6 | 56,800* | | | | | | | | | | | | | 105 |
| 110 | 59.2 | 252.6 | 49,700* | 62.0 | 255.8 | 53,200* | 63.6 | 257.1 | 54,600* | | | | | | | | | | | | | 110 |
| 115 | 57.3 | 249.5 | 46,300* | 60.2 | 253.0 | 51,100* | 61.8 | 254.5 | 52,500* | | | | | | | | | | | | | 115 |
| 120 | 55.4 | 246.1 | 43,300* | 58.3 | 250.0 | 48,100* | 60.0 | 251.7 | 50,100 | 62.7 | 253.5 | 46,900 | | | | | | | | | | 120 |
| 125 | 53.4 | 242.5 | 40,600* | 56.4 | 246.7 | 44,900* | 58.2 | 248.6 | 47,200 | 60.9 | 250.8 | 44,200 | | | | | | | | | | 125 |
| 130 | 51.4 | 238.6 | 38,100* | 54.5 | 243.2 | 42,100* | 56.3 | 245.4 | 44,600 | 59.1 | 247.9 | 41,700 | | | | | | | | | | 130 |
| 135 | 49.3 | 234.4 | 35,800* | 52.5 | 239.5 | 39,400* | 54.3 | 241.9 | 41,800* | 57.2 | 244.7 | 39,500 | | | | | | | | | | 135 |
| 140 | 47.2 | 229.8 | 33,800* | 50.4 | 235.4 | 37,100* | 52.3 | 238.1 | 39,200* | 55.3 | 241.3 | 37,400 | 58.0 | 243.2 | 34,800 | | | | | | | 140 |
| 145 | 44.9 | 224.9 | 31,900* | 48.3 | 231.1 | 34,900* | 50.3 | 234.0 | 36,900* | 53.3 | 237.7 | 35,400 | 56.1 | 239.9 | 32,900 | | | | | | | 145 |
| 150 | 42.6 | 219.7 | 30,100* | 46.2 | 226.4 | 32,900* | 48.1 | 229.6 | 34,700* | 51.3 | 233.8 | 33,600 | 54.2 | 236.4 | 31,200 | | | | | | | 150 |
| 155 | 40.2 | 213.9 | 28,400* | 43.9 | 221.3 | 31,000* | 46.0 | 224.9 | 32,700* | 49.2 | 229.5 | 31,900 | 52.2 | 232.6 | 29,600 | | | | | | | 155 |
| 160 | 37.6 | 207.6 | 26,900* | 41.5 | 215.8 | 29,300* | 43.7 | 219.8 | 30,900* | 47.0 | 225.0 | 30,300 | 50.1 | 228.5 | 28,100 | 53.0 | 230.6 | 25,900 | | | | 160 |
| 165 | 34.9 | 200.7 | 25,500* | 39.0 | 209.8 | 27,800* | 41.3 | 214.3 | 29,200* | 44.8 | 220.1 | 28,900 | 48.0 | 224.1 | 26,700 | 50.9 | 226.6 | 24,600 | | | | 165 |
| 170 | 32.0 | 193.0 | 24,100* | 36.4 | 203.3 | 26,300* | 38.8 | 208.2 | 27,600* | 42.5 | 214.7 | 27,500 | 45.8 | 219.4 | 25,400 | 48.8 | 222.3 | 23,400 | | | | 170 |
| 175 | 28.8 | 184.4 | 22,700* | 33.6 | 196.0 | 24,900* | 36.2 | 201.6 | 26,200* | 40.0 | 209.0 | 26,200 | 43.5 | 214.2 | 24,200 | 46.7 | 217.7 | 22,200 | | | | 175 |
| 180 | 25.3 | 174.4 | 21,400* | 30.6 | 187.9 | 23,500* | 33.3 | 194.3 | 24,800* | 37.5 | 202.6 | 25,000 | 41.1 | 208.7 | 23,000 | 44.4 | 212.7 | 21,100 | 47.4 | 215.1 | 19,300 | 180 |
| 185 | 21.2 | 162.5 | 20,200* | 27.2 | 178.7 | 22,200* | 30.3 | 186.1 | 23,500* | 34.8 | 195.7 | 23,800 | 38.6 | 202.6 | 21,900 | 42.1 | 207.3 | 20,000 | 45.1 | 210.2 | 18,300 | 185 |
| 190 | 16.1 | 147.3 | 19,000* | 23.5 | 168.0 | 21,000* | 26.9 | 176.8 | 22,200* | 31.8 | 188.0 | 22,700 | 36.0 | 195.9 | 20,900 | 39.6 | 201.5 | 19,100 | 42.8 | 205.0 | 17,300 | 190 |
| 195 | 8.3 | 123.3 | 16,800* | 19.0 | 154.8 | 19,800* | 23.1 | 165.9 | 20,900* | 28.6 | 179.2 | 21,600 | 33.2 | 188.6 | 19,900 | 37.0 | 195.1 | 18,100 | 40.4 | 199.3 | 16,400 | 195 |
| 200 | | | | 13.1 | 137.0 | 18,600* | 18.5 | 152.4 | 19,700* | 25.0 | 169.2 | 20,600 | 30.1 | 180.3 | 18,900 | 34.3 | 188.0 | 17,200 | 37.9 | 193.0 | 15,600 | 200 |
| 205 | | | | | | | 12.4 | 133.9 | 18,500* | 20.9 | 157.1 | 19,700 | 26.7 | 170.9 | 18,000 | 31.3 | 180.1 | 16,400 | 35.2 | 186.2 | 14,800 | 205 |
| 210 | | | | | | | | | | 15.7 | 141.6 | 18,800 | 22.8 | 159.9 | 17,200 | 28.0 | 171.2 | 15,600 | 32.3 | 178.6 | 14,000 | 210 |
| 215 | | | | | | | | | | 7.5 | 116.4 | 17,800 | 18.2 | 146.2 | 16,300 | 24.4 | 160.8 | 14,800 | 29.1 | 170.0 | 13,300 | 215 |
| 220 | | | | | | | | | | | | | 11.9 | 127.0 | 15,500 | 20.1 | 148.4 | 14,000 | 25.6 | 160.2 | 12,600 | 220 |
| 225 | | | | | | | | | | | | | | | | 14.7 | 132.0 | 13,300 | 21.6 | 148.5 | 11,900 | 225 |
| 230 | | | | | | | | | | | | | | | | 4.8 | 101.6 | 12,500 | 16.6 | 133.7 | 11,200 | 230 |
| 235 | | | | | | | | | | | | | | | | | | | 9.3 | 111.2 | 10,600 | 235 |

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

DESIGNED AND TESTED
WITH THE INTENT TO BE
THE SCOPE OF ANSI B30.5

M-250 SERIES 2

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING**

85 FT. BOOM, 190 FT. JIB

| JIB OPER. RAD. FEET | 88 DEGREE BOOM ANGLE | | | 83 DEGREE BOOM ANGLE | | | 80 DEGREE BOOM ANGLE | | | 75 DEGREE BOOM ANGLE | | | 70 DEGREE BOOM ANGLE | | | 65 DEGREE BOOM ANGLE | | | 60 DEGREE BOOM ANGLE | | | JIB OPER. RAD. FEET |
|---------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|---------------------|
| | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | |
| 65 | 75.7 | 282.5 | 66,300* | | | | | | | | | | | | | | | | | | | 65 |
| 70 | 74.1 | 281.1 | 64,500* | | | | | | | | | | | | | | | | | | | 70 |
| 75 | 72.5 | 279.5 | 62,500* | | | | | | | | | | | | | | | | | | | 75 |
| 80 | 70.9 | 277.8 | 61,200* | | | | | | | | | | | | | | | | | | | 80 |
| 85 | 69.3 | 276.0 | 59,600* | | | | | | | | | | | | | | | | | | | 85 |
| 90 | 67.7 | 274.0 | 58,000* | 70.2 | 275.8 | 57,400* | | | | | | | | | | | | | | | | 90 |
| 95 | 66.0 | 271.8 | 55,900* | 68.6 | 273.9 | 55,600* | | | | | | | | | | | | | | | | 95 |
| 100 | 64.4 | 269.5 | 53,700* | 66.9 | 271.8 | 54,100* | | | | | | | | | | | | | | | | 100 |
| 105 | 62.7 | 266.9 | 51,600* | 65.3 | 269.5 | 50,600* | 66.8 | 270.5 | 55,400* | | | | | | | | | | | | | 105 |
| 110 | 61.0 | 264.2 | 49,200* | 63.6 | 267.1 | 51,200* | 65.1 | 268.3 | 53,200* | | | | | | | | | | | | | 110 |
| 115 | 59.2 | 261.3 | 45,800* | 61.9 | 264.5 | 50,000* | 63.5 | 265.8 | 51,200* | | | | | | | | | | | | | 115 |
| 120 | 57.5 | 258.2 | 42,800* | 60.2 | 261.7 | 47,600* | 61.7 | 263.2 | 49,300* | | | | | | | | | | | | | 120 |
| 125 | 55.6 | 254.8 | 40,100* | 58.4 | 258.7 | 44,400* | 60.0 | 260.3 | 46,700 | 62.6 | 262.2 | 43,600 | | | | | | | | | | 125 |
| 130 | 53.8 | 251.2 | 37,600* | 56.6 | 255.4 | 41,600* | 58.3 | 257.3 | 44,100 | 60.9 | 259.5 | 41,200 | | | | | | | | | | 130 |
| 135 | 51.9 | 247.4 | 35,400* | 54.8 | 252.0 | 39,000* | 56.5 | 254.1 | 41,300* | 59.1 | 256.5 | 38,900 | | | | | | | | | | 135 |
| 140 | 49.9 | 243.3 | 33,300* | 52.9 | 248.3 | 36,600* | 54.6 | 250.6 | 38,700* | 57.3 | 253.4 | 36,800 | | | | | | | | | | 140 |
| 145 | 47.9 | 238.8 | 31,400* | 51.0 | 244.3 | 34,400* | 52.7 | 246.9 | 36,400* | 55.5 | 250.0 | 34,800 | | | | | | | | | | 145 |
| 150 | 45.8 | 234.1 | 29,600* | 49.0 | 240.0 | 32,400* | 50.8 | 242.9 | 34,200* | 53.7 | 246.4 | 33,000 | 56.3 | 248.6 | 30,600 | | | | | | | 150 |
| 155 | 43.7 | 229.0 | 28,000* | 47.0 | 235.5 | 30,500* | 48.8 | 238.6 | 32,200* | 51.8 | 242.6 | 31,400 | 54.5 | 245.1 | 29,000 | | | | | | | 155 |
| 160 | 41.4 | 223.5 | 26,400* | 44.8 | 230.5 | 28,800* | 46.8 | 234.0 | 30,400* | 49.8 | 238.4 | 29,800 | 52.6 | 241.4 | 27,500 | | | | | | | 160 |
| 165 | 39.1 | 217.5 | 25,000* | 42.6 | 225.3 | 27,300* | 44.7 | 229.0 | 28,700* | 47.8 | 234.0 | 28,300 | 50.7 | 237.4 | 26,100 | | | | | | | 165 |
| 170 | 36.6 | 210.9 | 23,700* | 40.4 | 219.5 | 25,800* | 42.4 | 223.7 | 27,100* | 45.7 | 229.2 | 26,900 | 48.7 | 233.1 | 24,800 | 51.4 | 235.4 | 22,800 | | | | 170 |
| 175 | 34.0 | 203.8 | 22,400* | 37.9 | 213.3 | 24,400* | 40.1 | 217.9 | 25,700* | 43.5 | 224.1 | 25,700 | 46.6 | 228.5 | 23,600 | 49.5 | 231.2 | 21,600 | | | | 175 |
| 180 | 31.1 | 195.8 | 21,200* | 35.4 | 206.5 | 23,100* | 37.7 | 211.7 | 24,300* | 41.3 | 218.5 | 24,400 | 44.5 | 223.5 | 22,400 | 47.4 | 226.7 | 20,500 | | | | 180 |
| 185 | 28.0 | 186.9 | 20,000* | 32.7 | 199.0 | 21,900* | 35.2 | 204.8 | 23,000* | 38.9 | 212.5 | 23,300 | 42.3 | 218.1 | 21,300 | 45.3 | 221.9 | 19,500 | | | | 185 |
| 190 | 24.6 | 176.6 | 18,800* | 29.7 | 190.6 | 20,700* | 32.4 | 197.2 | 21,800* | 36.4 | 205.9 | 22,200 | 40.0 | 212.3 | 20,300 | 43.2 | 216.7 | 18,500 | 46.0 | 219.4 | 16,700 | 190 |
| 195 | 20.6 | 164.3 | 17,700* | 26.5 | 181.1 | 19,500* | 29.5 | 188.7 | 20,600* | 33.8 | 198.7 | 21,100 | 37.6 | 206.0 | 19,300 | 40.9 | 211.1 | 17,600 | 43.9 | 214.3 | 15,900 | 195 |
| 200 | 15.6 | 148.7 | 16,700* | 22.8 | 170.0 | 18,400* | 26.2 | 179.1 | 19,500* | 30.9 | 190.7 | 20,200 | 35.0 | 199.1 | 18,400 | 38.5 | 205.0 | 16,700 | 41.6 | 208.8 | 15,000 | 200 |
| 205 | 8.0 | 124.0 | 14,600* | 18.5 | 156.4 | 17,300* | 22.5 | 167.8 | 18,400* | 27.8 | 181.7 | 19,200 | 32.2 | 191.5 | 17,500 | 36.0 | 198.3 | 15,800 | 39.3 | 202.9 | 14,200 | 205 |
| 210 | | | | 12.7 | 138.0 | 16,300* | 18.0 | 154.0 | 17,300* | 24.4 | 171.3 | 18,300 | 29.3 | 182.9 | 16,700 | 33.3 | 191.0 | 15,000 | 36.8 | 196.4 | 13,500 | 210 |
| 215 | | | | | | | 12.1 | 134.9 | 16,200* | 20.3 | 158.9 | 17,500 | 26.0 | 173.2 | 15,800 | 30.4 | 182.8 | 14,300 | 34.2 | 189.3 | 12,800 | 215 |
| 220 | | | | | | | | | | 15.3 | 143.0 | 16,600 | 22.2 | 161.8 | 15,100 | 27.3 | 173.6 | 13,500 | 31.4 | 181.4 | 12,100 | 220 |
| 225 | | | | | | | | | | 7.3 | 117.0 | 15,700* | 17.7 | 147.7 | 14,300 | 23.7 | 162.9 | 12,800 | 28.3 | 172.5 | 11,400 | 225 |
| 230 | | | | | | | | | | | | | 11.6 | 128.0 | 13,600 | 19.6 | 150.1 | 12,100 | 24.9 | 162.4 | 10,800 | 230 |
| 235 | | | | | | | | | | | | | | | | 14.3 | 133.2 | 11,500 | 21.0 | 150.4 | 10,100 | 235 |
| 240 | | | | | | | | | | | | | | | | 4.7 | 101.9 | 10,800 | 16.1 | 135.1 | 9,500 | 240 |
| 245 | | | | | | | | | | | | | | | | | | | 9.0 | 112.0 | 8,900 | 245 |

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

DESIGNED AND TESTED WITH THE INTENT TO BE WITHIN THE SCOPE OF ANSI B30.5

M-250 SERIES 2

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING**

85 FT. BOOM, 200 FT. JIB

| JIB OPER. RAD. FEET | 88 DEGREE BOOM ANGLE | | | 83 DEGREE BOOM ANGLE | | | 80 DEGREE BOOM ANGLE | | | 75 DEGREE BOOM ANGLE | | | 70 DEGREE BOOM ANGLE | | | 65 DEGREE BOOM ANGLE | | | 60 DEGREE BOOM ANGLE | | | JIB OPER. RAD. FEET |
|---------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|---------------------|
| | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | |
| 70 | 74.9 | 291.5 | 61,500* | | | | | | | | | | | | | | | | | | | 70 |
| 75 | 73.4 | 290.0 | 58,600* | | | | | | | | | | | | | | | | | | | 75 |
| 80 | 71.9 | 288.4 | 57,500* | | | | | | | | | | | | | | | | | | | 80 |
| 85 | 70.4 | 286.7 | 55,700* | | | | | | | | | | | | | | | | | | | 85 |
| 90 | 68.9 | 284.8 | 55,100* | | | | | | | | | | | | | | | | | | | 90 |
| 95 | 67.3 | 282.7 | 54,100* | 69.7 | 284.6 | 52,000* | | | | | | | | | | | | | | | | 95 |
| 100 | 65.8 | 280.5 | 52,100* | 68.2 | 282.6 | 51,200* | | | | | | | | | | | | | | | | 100 |
| 105 | 64.2 | 278.2 | 49,700* | 66.6 | 280.5 | 50,200* | 68.0 | 281.4 | 53,600* | | | | | | | | | | | | | 105 |
| 110 | 62.6 | 275.6 | 47,200* | 65.0 | 278.2 | 49,300* | 66.5 | 279.3 | 51,600* | | | | | | | | | | | | | 110 |
| 115 | 60.9 | 272.9 | 44,800* | 63.4 | 275.8 | 48,500* | 64.9 | 277.0 | 49,600* | | | | | | | | | | | | | 115 |
| 120 | 59.3 | 270.0 | 42,300* | 61.8 | 273.1 | 46,500* | 63.3 | 274.5 | 47,800* | | | | | | | | | | | | | 120 |
| 125 | 57.6 | 266.8 | 39,600* | 60.2 | 270.3 | 43,900* | 61.7 | 271.8 | 46,000 | | | | | | | | | | | | | 125 |
| 130 | 55.9 | 263.5 | 37,100* | 58.5 | 267.3 | 41,000* | 60.0 | 269.0 | 43,500 | 62.5 | 270.9 | 40,500 | | | | | | | | | | 130 |
| 135 | 54.1 | 260.0 | 34,800* | 56.8 | 264.1 | 38,400* | 58.3 | 266.0 | 40,800* | 60.8 | 268.1 | 38,200 | | | | | | | | | | 135 |
| 140 | 52.3 | 256.2 | 32,700* | 55.1 | 260.7 | 36,000* | 56.6 | 262.8 | 38,200* | 59.2 | 265.2 | 36,100 | | | | | | | | | | 140 |
| 145 | 50.5 | 252.1 | 30,800* | 53.3 | 257.0 | 33,800* | 54.9 | 259.3 | 35,800* | 57.5 | 262.1 | 34,200 | | | | | | | | | | 145 |
| 150 | 48.6 | 247.8 | 29,000* | 51.5 | 253.1 | 31,800* | 53.1 | 255.6 | 33,700* | 55.8 | 258.7 | 32,400 | | | | | | | | | | 150 |
| 155 | 46.6 | 243.2 | 27,400* | 49.6 | 248.9 | 30,000* | 51.3 | 251.7 | 31,700* | 54.0 | 255.2 | 30,700 | 56.5 | 257.3 | 28,300 | | | | | | | 155 |
| 160 | 44.6 | 238.2 | 25,900* | 47.7 | 244.5 | 28,300* | 49.4 | 247.5 | 29,900* | 52.2 | 251.4 | 29,200 | 54.8 | 253.9 | 26,900 | | | | | | | 160 |
| 165 | 42.5 | 232.9 | 24,500* | 45.7 | 239.7 | 26,700* | 47.5 | 243.0 | 28,200* | 50.3 | 247.3 | 27,700 | 53.0 | 250.2 | 25,500 | | | | | | | 165 |
| 170 | 40.3 | 227.1 | 23,100* | 43.6 | 234.6 | 25,200* | 45.5 | 238.2 | 26,600* | 48.4 | 243.0 | 26,300 | 51.2 | 246.2 | 24,200 | | | | | | | 170 |
| 175 | 38.0 | 220.9 | 21,900* | 41.5 | 229.1 | 23,900* | 43.5 | 233.0 | 25,100* | 46.5 | 238.3 | 25,000 | 49.3 | 242.0 | 22,900 | | | | | | | 175 |
| 180 | 35.6 | 214.2 | 20,700* | 39.3 | 223.1 | 22,600* | 41.3 | 227.5 | 23,800* | 44.5 | 233.3 | 23,800 | 47.4 | 237.5 | 21,800 | | | | | | | 180 |
| 185 | 33.1 | 206.7 | 19,600* | 36.9 | 216.6 | 21,400* | 39.1 | 221.5 | 22,500* | 42.4 | 228.0 | 22,700 | 45.4 | 232.7 | 20,700 | | | | | | | 185 |
| 190 | 30.3 | 198.5 | 18,500* | 34.5 | 209.6 | 20,200* | 36.7 | 215.0 | 21,300* | 40.2 | 222.2 | 21,600 | 43.3 | 227.5 | 19,700 | | | | | | | 190 |
| 195 | 27.3 | 189.3 | 17,400* | 31.8 | 201.8 | 19,200* | 34.2 | 207.9 | 20,200* | 37.9 | 216.0 | 20,600 | 41.2 | 221.9 | 18,700 | | | | | | | 195 |
| 200 | 23.9 | 178.7 | 16,400* | 29.0 | 193.2 | 18,100* | 31.6 | 200.0 | 19,100* | 35.5 | 209.2 | 19,600 | 38.9 | 215.9 | 17,800 | | | | | | | 200 |
| 205 | 20.1 | 166.1 | 15,400* | 25.8 | 183.4 | 17,100* | 28.7 | 191.3 | 18,000* | 32.9 | 201.7 | 18,600 | 36.6 | 209.3 | 16,900 | | | | | | | 205 |
| 210 | 15.2 | 150.0 | 14,500* | 22.2 | 171.9 | 16,100* | 25.5 | 181.4 | 17,000* | 30.1 | 193.4 | 17,800 | 34.1 | 202.2 | 16,100 | | | | | | | 210 |
| 215 | 7.8 | 124.6 | 12,600* | 18.0 | 158.0 | 15,100* | 21.9 | 169.8 | 16,000* | 27.1 | 184.1 | 16,900 | 31.4 | 194.3 | 15,300 | | | | | | | 215 |
| 220 | | | | 12.4 | 139.1 | 14,100* | 17.6 | 155.5 | 15,000* | 23.7 | 173.4 | 16,100 | 28.5 | 185.5 | 14,500 | | | | | | | 220 |
| 225 | | | | | | | 11.8 | 135.9 | 14,100* | 19.8 | 160.6 | 15,300 | 25.3 | 175.4 | 13,700 | | | | | | | 225 |
| 230 | | | | | | | | | | 14.9 | 144.3 | 14,500 | 21.6 | 163.7 | 13,000 | | | | | | | 230 |
| 235 | | | | | | | | | | 7.1 | 117.6 | 13,600* | 17.2 | 149.2 | 12,300 | | | | | | | 235 |
| 240 | | | | | | | | | | | | | 11.3 | 129.0 | 11,700 | | | | | | | 240 |
| 245 | | | | | | | | | | | | | | | | 13.9 | 134.4 | 9,700 | | | | 245 |
| 250 | | | | | | | | | | | | | | | | 4.6 | 102.3 | 9,000 | | | | 250 |
| 255 | | | | | | | | | | | | | | | | | | | 8.8 | 112.7 | 7,200 | 255 |

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

DESIGNED AND TESTED
WITH THE INTENT TO BE
WITHIN THE SCOPE OF ANSI B30.5

M-250 SERIES 2

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING**

95 FT. BOOM, 70 FT. JIB

| JIB OPER. RAD. FEET | 88 DEGREE BOOM ANGLE | | | 83 DEGREE BOOM ANGLE | | | 80 DEGREE BOOM ANGLE | | | 75 DEGREE BOOM ANGLE | | | 70 DEGREE BOOM ANGLE | | | 65 DEGREE BOOM ANGLE | | | 60 DEGREE BOOM ANGLE | | | JIB OPER. RAD. FEET |
|---------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|---------------------|
| | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | |
| 45 | 67.5 | 172.9 | 130,200* ^b | | | | | | | | | | | | | | | | | | | 45 |
| 50 | 63.0 | 170.5 | 121,800* ^b | | | | | | | | | | | | | | | | | | | 50 |
| 55 | 58.2 | 167.5 | 114,400* ^b | | | | | | | | | | | | | | | | | | | 55 |
| 60 | 53.2 | 164.0 | 107,200* | 66.2 | 170.9 | 125,200* ^b | | | | | | | | | | | | | | | | 60 |
| 65 | 47.8 | 159.7 | 99,200* | 61.6 | 168.4 | 117,300* ^b | 66.3 | 169.8 | 124,000* ^b | | | | | | | | | | | | | 65 |
| | | | | 56.8 | 165.3 | 110,300* ^b | 61.7 | 167.3 | 116,100* ^b | | | | | | | | | | | | | 70 |
| 70 | 41.9 | 154.5 | 92,600* | 51.7 | 161.5 | 104,200* | 56.9 | 164.2 | 109,200* ^b | | | | | | | | | | | | | 70 |
| 75 | 35.2 | 148.0 | 87,000* | 46.2 | 157.0 | 98,800* | 51.8 | 160.5 | 103,100* | 60.1 | 163.8 | 106,800 ^b | | | | | | | | | 75 | |
| 80 | 27.0 | 139.3 | 79,600* | 40.1 | 151.5 | 94,000* | 46.3 | 155.9 | 97,700* | 55.2 | 160.5 | 98,500 | | | | | | | | | 80 | |
| 85 | 14.9 | 125.5 | 72,900* | 33.0 | 144.5 | 85,100* | 40.2 | 150.4 | 93,000* | 49.9 | 156.5 | 91,300 | | | | | | | | | 85 | |
| 90 | | | | 24.1 | 134.9 | 77,600* | 33.1 | 143.4 | 85,200* | 44.3 | 151.7 | 85,000 | 53.2 | 155.9 | 81,900 | | | | | | | 90 |
| 95 | | | | 8.6 | 116.6 | 71,100* | 24.3 | 133.9 | 77,700* | 37.9 | 145.8 | 79,500 | 47.8 | 151.6 | 76,600 | | | | | | | 95 |
| 100 | | | | | | | 9.0 | 116.0 | 71,200* | 30.4 | 138.1 | 74,500 | 41.9 | 146.4 | 71,800 | 50.8 | 150.2 | 69,200 | | | | 100 |
| 105 | | | | | | | | | | 20.5 | 127.1 | 70,000 | 35.1 | 139.8 | 67,600 | 45.2 | 145.5 | 65,100 | | | | 105 |
| 110 | | | | | | | | | | | | | 26.9 | 131.2 | 63,700 | 39.0 | 139.7 | 61,400 | 47.9 | 143.3 | 59,100 | 110 |
| 115 | | | | | | | | | | | | | 14.9 | 117.3 | 60,100 | 31.7 | 132.4 | 58,000 | 42.0 | 138.1 | 55,900 | 115 |
| 120 | | | | | | | | | | | | | | | | 22.3 | 122.1 | 54,900 | 35.3 | 131.6 | 52,900 | 120 |
| 125 | | | | | | | | | | | | | | | | | | | 27.2 | 123.0 | 50,200 | 125 |
| 130 | | | | | | | | | | | | | | | | | | | 15.3 | 109.4 | 47,700 | 130 |

95 FT. BOOM, 80 FT. JIB

| JIB OPER. RAD. FEET | 88 DEGREE BOOM ANGLE | | | 83 DEGREE BOOM ANGLE | | | 80 DEGREE BOOM ANGLE | | | 75 DEGREE BOOM ANGLE | | | 70 DEGREE BOOM ANGLE | | | 65 DEGREE BOOM ANGLE | | | 60 DEGREE BOOM ANGLE | | | JIB OPER. RAD. FEET |
|---------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|---------------------|
| | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | |
| 45 | 70.5 | 183.7 | 126,800* ^b | | | | | | | | | | | | | | | | | | | 45 |
| 50 | 66.6 | 181.6 | 118,500* ^b | | | | | | | | | | | | | | | | | | | 50 |
| 55 | 62.6 | 179.1 | 111,300* ^b | | | | | | | | | | | | | | | | | | | 55 |
| 60 | 58.4 | 176.2 | 105,000* | 69.4 | 181.8 | 121,800* ^b | | | | | | | | | | | | | | | | 60 |
| 65 | 54.1 | 172.7 | 98,600* | 65.5 | 179.6 | 114,100* ^b | 65.5 | 178.5 | 113,100* ^b | | | | | | | | | | | | | 65 |
| 70 | 49.5 | 168.7 | 91,600* | 61.4 | 177.0 | 107,400* ^b | 61.5 | 175.9 | 106,400* ^b | | | | | | | | | | | | | 70 |
| 75 | 44.5 | 163.8 | 85,800* | 57.3 | 172.9 | 100,500* | 57.3 | 172.9 | 100,500* | | | | | | | | | | | | | 75 |
| 80 | 39.0 | 158.1 | 79,900* | 48.1 | 166.1 | 91,200* | 52.9 | 169.3 | 95,100* | 60.1 | 172.5 | 98,000 | | | | | | | | | 80 | |
| 85 | 32.8 | 150.9 | 73,100* | 43.0 | 161.0 | 85,400* | 48.2 | 165.0 | 90,300* | 55.8 | 169.2 | 90,800 | | | | | | | | | 85 | |
| 90 | 25.1 | 141.5 | 67,300* | 37.3 | 154.9 | 77,900* | 43.1 | 159.9 | 85,600* | 51.3 | 165.4 | 84,500 | | | | | | | | | 90 | |
| 95 | 13.9 | 126.7 | 62,200* | 30.8 | 147.2 | 71,400* | 37.4 | 153.8 | 78,000* | 46.5 | 160.9 | 79,000 | 54.1 | 164.6 | 76,000 | | | | | | 95 | |
| 100 | | | | 22.5 | 136.8 | 65,800* | 30.9 | 146.2 | 71,500* | 41.2 | 155.5 | 74,100 | 49.5 | 160.6 | 71,300 | | | | | | | 100 |
| 105 | | | | 8.0 | 117.2 | 60,900* | 22.6 | 135.9 | 65,900* | 35.3 | 149.0 | 69,700 | 44.5 | 155.7 | 67,100 | 52.0 | 159.0 | 64,500 | | | | 105 |
| 110 | | | | | | | 8.4 | 116.7 | 61,000* | 28.3 | 140.6 | 65,700 | 39.0 | 150.0 | 63,300 | 47.3 | 154.6 | 60,900 | | | | 110 |
| 115 | | | | | | | | | | 19.1 | 128.7 | 62,100 | 32.7 | 142.8 | 59,800 | 42.1 | 149.4 | 57,500 | | | | 115 |
| 120 | | | | | | | | | | | | | 25.1 | 133.4 | 56,600 | 36.3 | 143.1 | 54,500 | 44.6 | 147.5 | 52,400 | 120 |
| 125 | | | | | | | | | | | | | 13.8 | 118.5 | 53,700 | 29.5 | 135.0 | 51,700 | 39.1 | 141.7 | 49,700 | 125 |
| 130 | | | | | | | | | | | | | | | | 20.8 | 123.9 | 49,100 | 32.9 | 134.6 | 47,300 | 130 |
| 135 | | | | | | | | | | | | | | | | | | | 25.3 | 125.2 | 45,000 | 135 |
| 140 | | | | | | | | | | | | | | | | | | | 14.2 | 110.6 | 42,800 | 140 |

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

DESIGNED AND TESTED
WITH THE INTENT TO BE
THE SCOPE OF ANSI B30.5

M-250 SERIES 2

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING**

95 FT. BOOM, 90 FT. JIB

| JIB OPER. RAD. FEET | 88 DEGREE BOOM ANGLE | | | 83 DEGREE BOOM ANGLE | | | 80 DEGREE BOOM ANGLE | | | 75 DEGREE BOOM ANGLE | | | 70 DEGREE BOOM ANGLE | | | 65 DEGREE BOOM ANGLE | | | 60 DEGREE BOOM ANGLE | | | JIB OPER. RAD. FEET |
|------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|------------------------------|
| | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | |
| 45 | 72.7 | 194.3 | 123,600*b | | | | | | | | | | | | | | | | | | | 45 |
| 50 | 69.3 | 192.5 | 115,700*b | | | | | | | | | | | | | | | | | | | 50 |
| 55 | 65.9 | 190.3 | 108,700*b | | | | | | | | | | | | | | | | | | | 55 |
| 60 | 62.3 | 187.8 | 102,400* | 68.4 | 190.6 | 111,500*b | | | | | | | | | | | | | | | | 60 |
| 65 | 58.6 | 184.9 | 96,900* | 64.9 | 188.3 | 104,800* | | | | | | | | | | | | | | | | 65 |
| 70 | 54.8 | 181.5 | 91,300* | 61.3 | 185.7 | 99,000* | 64.9 | 187.2 | 103,900* | | | | | | | | | | | | | 70 |
| 75 | 50.7 | 177.6 | 85,300* | 57.5 | 182.6 | 93,800* | 61.3 | 184.6 | 98,200* | | | | | | | | | | | | | 75 |
| 80 | 46.4 | 173.0 | 80,100* | 53.6 | 179.1 | 89,100* | 57.6 | 181.6 | 92,900* | | | | | | | | | | | | | 80 |
| 85 | 41.8 | 167.7 | 73,300* | 49.5 | 175.0 | 84,800* | 53.7 | 178.0 | 88,200* | 60.1 | 181.1 | 90,400 | | | | | | | | | | 85 |
| 90 | 36.7 | 161.4 | 67,400* | 45.1 | 170.3 | 78,100* | 49.6 | 174.0 | 84,000* | 56.3 | 177.9 | 84,200 | | | | | | | | | | 90 |
| 95 | 30.8 | 153.7 | 62,400* | 40.4 | 164.7 | 71,600* | 45.2 | 169.2 | 78,200* | 52.3 | 174.2 | 78,700 | | | | | | | | | | 95 |
| 100 | 23.6 | 143.6 | 57,900* | 35.1 | 158.1 | 66,000* | 40.4 | 163.7 | 71,700* | 48.1 | 170.0 | 73,800 | 54.8 | 173.4 | 70,900 | | | | | | | 100 |
| 105 | 13.1 | 127.8 | 53,900* | 28.9 | 149.8 | 61,100* | 35.1 | 157.0 | 66,100* | 43.6 | 165.0 | 69,400 | 50.7 | 169.5 | 66,700 | | | | | | | 105 |
| 110 | | | | 21.1 | 138.7 | 56,700* | 29.0 | 148.8 | 61,100* | 38.7 | 159.1 | 65,500 | 46.4 | 164.9 | 62,900 | 53.0 | 167.8 | 60,400 | | | | 110 |
| 115 | | | | 7.5 | 117.8 | 52,800* | 21.3 | 137.7 | 56,800* | 33.2 | 152.0 | 61,900 | 41.8 | 159.6 | 59,500 | 48.8 | 163.6 | 57,100 | | | | 115 |
| 120 | | | | | | | 7.8 | 117.3 | 52,900* | 26.6 | 143.0 | 58,600 | 36.6 | 153.3 | 56,400 | 44.4 | 158.7 | 54,100 | | | | 120 |
| 125 | | | | | | | | | | 17.9 | 130.2 | 55,500* | 30.8 | 145.6 | 53,500 | 39.5 | 153.0 | 51,400 | 46.5 | 156.6 | 49,300 | 125 |
| 130 | | | | | | | | | | | | | 23.6 | 135.5 | 50,800 | 34.1 | 146.1 | 48,800 | 41.9 | 151.3 | 46,900 | 130 |
| 135 | | | | | | | | | | | | | 13.0 | 119.6 | 48,300 | 27.8 | 137.5 | 46,500 | 36.8 | 145.0 | 44,600 | 135 |
| 140 | | | | | | | | | | | | | | | | 19.6 | 125.6 | 44,300 | 30.9 | 137.3 | 42,500 | 140 |
| 145 | | | | | | | | | | | | | | | | | | | 23.8 | 127.3 | 40,600 | 145 |
| 150 | | | | | | | | | | | | | | | | | | | 13.4 | 111.7 | 38,700 | 150 |

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

DESIGNED AND TESTED
WITH THE INTENT TO BE
THE SCOPE OF ANSI B30.5

M-250 SERIES 2

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING**

95 FT. BOOM, 100 FT. JIB

| JIB OPER. RAD. FEET | 88 DEGREE BOOM ANGLE | | | 83 DEGREE BOOM ANGLE | | | 80 DEGREE BOOM ANGLE | | | 75 DEGREE BOOM ANGLE | | | 70 DEGREE BOOM ANGLE | | | 65 DEGREE BOOM ANGLE | | | 60 DEGREE BOOM ANGLE | | | JIB OPER. RAD. FEET |
|---------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|---------------------|
| | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | |
| 45 | 74.5 | 204.7 | 120,200* ^b | | | | | | | | | | | | | | | | | | | 45 |
| 50 | 71.5 | 203.1 | 112,500* ^b | | | | | | | | | | | | | | | | | | | 50 |
| 55 | 68.4 | 201.2 | 105,800* ^b | | | | | | | | | | | | | | | | | | | 55 |
| 60 | 65.3 | 199.0 | 99,800* | 70.6 | 201.3 | 108,700* ^b | | | | | | | | | | | | | | | | 60 |
| 65 | 62.1 | 196.5 | 94,300* | 67.5 | 199.3 | 102,200* | | | | | | | | | | | | | | | | 65 |
| 70 | 58.8 | 193.5 | 89,600* | 64.4 | 197.0 | 96,500* | 67.6 | 198.2 | 101,300* | | | | | | | | | | | | | 70 |
| 75 | 55.3 | 190.2 | 85,000* | 61.1 | 194.4 | 91,400* | 64.4 | 195.9 | 95,600* | | | | | | | | | | | | | 75 |
| 80 | 51.7 | 186.4 | 79,600* | 57.8 | 191.3 | 86,800* | 61.2 | 193.3 | 90,600* | | | | | | | | | | | | | 80 |
| 85 | 47.9 | 182.1 | 73,100* | 54.3 | 187.9 | 82,500* | 57.8 | 190.2 | 86,000* | | | | | | | | | | | | | 85 |
| 90 | 43.9 | 177.1 | 67,300* | 50.7 | 183.9 | 77,900* | 54.3 | 186.8 | 81,800* | 60.1 | 189.8 | 83,600 | | | | | | | | | | 90 |
| 95 | 39.5 | 171.3 | 62,200* | 46.8 | 179.4 | 71,400* | 50.7 | 182.8 | 78,100* | 56.7 | 186.6 | 78,100 | | | | | | | | | | 95 |
| 100 | 34.7 | 164.5 | 57,700* | 42.7 | 174.2 | 65,800* | 46.9 | 178.3 | 71,500* | 53.1 | 183.0 | 73,300 | | | | | | | | | | 100 |
| 105 | 29.1 | 156.3 | 53,700* | 38.2 | 168.2 | 60,900* | 42.7 | 173.2 | 65,900* | 49.4 | 178.9 | 68,900 | 55.3 | 182.1 | 66,100 | | | | | | | 105 |
| 110 | 22.4 | 145.6 | 50,200* | 33.2 | 161.0 | 56,500* | 38.2 | 167.2 | 60,900* | 45.5 | 174.2 | 65,000 | 51.7 | 178.3 | 62,400 | | | | | | | 110 |
| 115 | 12.3 | 128.8 | 46,900* | 27.4 | 152.2 | 52,700* | 33.3 | 160.0 | 56,600* | 41.3 | 168.8 | 61,400 | 47.9 | 174.0 | 58,900 | | | | | | | 115 |
| 120 | | | | 20.0 | 140.4 | 49,200* | 27.5 | 151.2 | 52,800* | 36.6 | 162.4 | 58,200 | 43.9 | 169.0 | 55,800 | 50.0 | 172.5 | 53,500 | | | | 120 |
| 125 | | | | 7.0 | 118.4 | 46,100* | 20.1 | 139.5 | 49,300* | 31.4 | 154.8 | 55,200 | 39.5 | 163.2 | 53,000 | 46.1 | 167.9 | 50,800 | | | | 125 |
| 130 | | | | | | | 7.4 | 117.9 | 46,200* | 25.2 | 145.2 | 51,600* | 34.7 | 156.4 | 50,400 | 41.9 | 162.6 | 48,300 | 48.0 | 165.7 | 46,300 | 130 |
| 135 | | | | | | | | | | 16.9 | 131.7 | 48,300* | 29.1 | 148.2 | 48,000 | 37.4 | 156.4 | 46,000 | 44.0 | 160.7 | 44,100 | 135 |
| 140 | | | | | | | | | | | | | 22.3 | 137.4 | 45,700 | 32.3 | 149.0 | 43,800 | 39.6 | 155.0 | 42,000 | 140 |
| 145 | | | | | | | | | | | | | 12.3 | 120.6 | 43,600 | 26.3 | 139.8 | 41,800 | 34.8 | 148.2 | 40,100 | 145 |
| 150 | | | | | | | | | | | | | | | | 18.5 | 127.2 | 39,900 | 29.3 | 140.0 | 38,300 | 150 |
| 155 | | | | | | | | | | | | | | | | | | | 22.5 | 129.3 | 36,600 | 155 |
| 160 | | | | | | | | | | | | | | | | | | | 12.6 | 112.8 | 35,000 | 160 |

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

DESIGNED AND TESTED
WITH THE INTENT TO BE
THE SCOPE OF ANSI B30.5

M-250 SERIES 2

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING**

95 FT. BOOM, 110 FT. JIB

| JIB OPER. RAD. FEET | 88 DEGREE BOOM ANGLE | | | 83 DEGREE BOOM ANGLE | | | 80 DEGREE BOOM ANGLE | | | 75 DEGREE BOOM ANGLE | | | 70 DEGREE BOOM ANGLE | | | 65 DEGREE BOOM ANGLE | | | 60 DEGREE BOOM ANGLE | | | JIB OPER. RAD. FEET |
|---------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|---------------------|
| | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | |
| 45 | 75.9 | 215.1 | 116,400* | | | | | | | | | | | | | | | | | | | 45 |
| 50 | 73.2 | 213.6 | 109,200* | | | | | | | | | | | | | | | | | | | 50 |
| 55 | 70.5 | 211.9 | 102,800* | | | | | | | | | | | | | | | | | | | 55 |
| 60 | 67.7 | 210.0 | 97,100* | | | | | | | | | | | | | | | | | | | 60 |
| 65 | 64.8 | 207.7 | 92,000* | 69.7 | 210.1 | 99,400* | | | | | | | | | | | | | | | | 65 |
| 70 | 61.9 | 205.1 | 87,300* | 66.9 | 208.1 | 94,000* | | | | | | | | | | | | | | | | 70 |
| 75 | 58.9 | 202.2 | 83,100* | 64.0 | 205.7 | 89,100* | 66.9 | 206.9 | 93,200* | 64.0 | 205.7 | 89,100* | | | | | | | | | | 75 |
| 80 | 55.8 | 198.9 | 79,300* | 61.0 | 203.0 | 84,700* | 64.0 | 204.6 | 88,300* | 61.1 | 201.9 | 83,900* | | | | | | | | | | 80 |
| 85 | 52.5 | 195.2 | 75,200* | 58.0 | 200.0 | 80,600* | 61.1 | 201.9 | 83,900* | 58.0 | 200.0 | 80,600* | | | | | | | | | | 85 |
| 90 | 49.1 | 191.0 | 69,100* | 54.8 | 196.6 | 76,900* | 58.0 | 198.9 | 79,900* | 63.0 | 201.3 | 83,100 | | | | | | | | | | 90 |
| 95 | 45.5 | 186.3 | 63,900* | 51.6 | 192.8 | 73,400* | 54.9 | 195.5 | 76,300* | 60.1 | 198.5 | 77,600 | | | | | | | | | | 95 |
| 100 | 41.7 | 180.9 | 59,200* | 48.1 | 188.4 | 67,600* | 51.6 | 191.7 | 73,000* | 57.0 | 195.3 | 72,800 | | | | | | | | | | 100 |
| 105 | 37.6 | 174.8 | 55,100* | 44.5 | 183.5 | 62,500* | 48.2 | 187.4 | 67,700* | 53.8 | 191.8 | 68,400 | | | | | | | | | | 105 |
| 110 | 33.0 | 167.5 | 51,500* | 40.6 | 178.0 | 58,000* | 44.5 | 182.5 | 62,600* | 50.5 | 187.8 | 64,500 | 55.7 | 190.8 | 61,900 | | | | | | | 110 |
| 115 | 27.7 | 158.7 | 48,200* | 36.3 | 171.5 | 54,100* | 40.6 | 176.9 | 58,100* | 46.9 | 183.3 | 61,000 | 52.5 | 187.1 | 58,500 | | | | | | | 115 |
| 120 | 21.3 | 147.4 | 45,300* | 31.6 | 163.9 | 50,500* | 36.4 | 170.5 | 54,100* | 43.2 | 178.2 | 57,800 | 49.1 | 182.9 | 55,400 | | | | | | | 120 |
| 125 | 11.7 | 129.8 | 41,700* | 26.0 | 154.5 | 47,400* | 31.6 | 162.9 | 50,600* | 39.2 | 172.4 | 54,800 | 45.5 | 178.2 | 52,500 | 51.0 | 181.4 | 50,300 | | | | 125 |
| 130 | | | | 19.0 | 142.1 | 44,500* | 26.1 | 153.5 | 47,400* | 34.8 | 165.6 | 52,100 | 41.7 | 172.8 | 49,900 | 47.5 | 177.0 | 47,800 | | | | 130 |
| 135 | | | | 6.7 | 118.9 | 40,800* | 19.2 | 141.1 | 44,600* | 29.9 | 157.5 | 49,500* | 37.6 | 166.6 | 47,600 | 43.8 | 172.0 | 45,500 | | | | 135 |
| 140 | | | | | | | 7.0 | 118.4 | 41,900* | 24.0 | 147.3 | 46,400* | 33.0 | 159.4 | 45,300 | 39.9 | 166.3 | 43,400 | 45.6 | 169.9 | 41,500 | 140 |
| 145 | | | | | | | | | | 16.1 | 133.1 | 43,700* | 27.7 | 150.6 | 43,300 | 35.6 | 159.6 | 41,400 | 41.8 | 164.6 | 39,600 | 145 |
| 150 | | | | | | | | | | | | | 21.3 | 139.3 | 41,300 | 30.7 | 151.8 | 39,600 | 37.7 | 158.4 | 37,900 | 150 |
| 155 | | | | | | | | | | | | | 11.7 | 121.6 | 39,500 | 25.0 | 142.0 | 37,900 | 33.1 | 151.2 | 36,200 | 155 |
| 160 | | | | | | | | | | | | | | | | 17.6 | 128.8 | 36,200 | 27.8 | 142.4 | 34,700 | 160 |
| 165 | | | | | | | | | | | | | | | | | | | 21.4 | 131.2 | 33,200 | 165 |
| 170 | | | | | | | | | | | | | | | | | | | 12.0 | 113.8 | 31,800 | 170 |

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

DESIGNED AND TESTED
WITH THE INTENT TO BE
THE SCOPE OF ANSI B30.5

M-250 SERIES 2

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING**

95 FT. BOOM, 120 FT. JIB

| JIB OPER. RAD. FEET | 88 DEGREE BOOM ANGLE | | | 83 DEGREE BOOM ANGLE | | | 80 DEGREE BOOM ANGLE | | | 75 DEGREE BOOM ANGLE | | | 70 DEGREE BOOM ANGLE | | | 65 DEGREE BOOM ANGLE | | | 60 DEGREE BOOM ANGLE | | | JIB OPER. RAD. FEET |
|---------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|---------------------|
| | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | |
| 50 | 74.7 | 224.1 | 106,100* | | | | | | | | | | | | | | | | | | | 50 |
| 55 | 72.2 | 222.5 | 100,000* | | | | | | | | | | | | | | | | | | | 55 |
| 60 | 69.6 | 220.7 | 94,500* | | | | | | | | | | | | | | | | | | | 60 |
| 65 | 67.1 | 218.7 | 89,600* | | | | | | | | | | | | | | | | | | | 65 |
| 70 | 64.4 | 216.4 | 85,100* | 68.9 | 218.9 | 91,600* | | | | | | | | | | | | | | | | 70 |
| 75 | 61.7 | 213.8 | 81,000* | 66.3 | 216.8 | 86,800* | | | | | | | | | | | | | | | | 75 |
| 80 | 59.0 | 210.9 | 77,300* | 63.7 | 214.4 | 82,500* | 66.3 | 215.7 | 86,100* | | | | | | | | | | | | | 80 |
| 85 | 56.1 | 207.6 | 73,900* | 60.9 | 211.7 | 78,600* | 63.7 | 213.3 | 81,800* | | | | | | | | | | | | | 85 |
| 90 | 53.2 | 204.0 | 68,700* | 58.2 | 208.7 | 75,000* | 61.0 | 210.6 | 77,900* | | | | | | | | | | | | | 90 |
| 95 | 50.1 | 199.9 | 63,500* | 55.3 | 205.3 | 71,800* | 58.2 | 207.6 | 74,300* | 62.8 | 209.9 | 77,100 | | | | | | | | | | 95 |
| 100 | 46.9 | 195.4 | 58,800* | 52.3 | 201.6 | 67,200* | 55.3 | 204.2 | 71,100* | 60.0 | 207.1 | 72,200 | | | | | | | | | | 100 |
| 105 | 43.5 | 190.3 | 54,700* | 49.2 | 197.4 | 62,100* | 52.3 | 200.5 | 67,300* | 57.2 | 204.0 | 67,900 | | | | | | | | | | 105 |
| 110 | 39.8 | 184.6 | 51,100* | 45.9 | 192.7 | 57,600* | 49.2 | 196.3 | 62,200* | 54.3 | 200.5 | 64,000 | | | | | | | | | | 110 |
| 115 | 35.9 | 178.0 | 47,800* | 42.5 | 187.5 | 53,700* | 46.0 | 191.6 | 57,700* | 51.3 | 196.6 | 60,500 | 56.1 | 199.5 | 57,900 | | | | | | | 115 |
| 120 | 31.5 | 170.3 | 44,900* | 38.7 | 181.5 | 50,100* | 42.5 | 186.4 | 53,700* | 48.1 | 192.3 | 57,300 | 53.2 | 195.9 | 54,800 | | | | | | | 120 |
| 125 | 26.5 | 161.1 | 42,200* | 34.7 | 174.6 | 47,000* | 38.8 | 180.5 | 50,200* | 44.8 | 187.5 | 54,400 | 50.1 | 191.8 | 52,000 | | | | | | | 125 |
| 130 | 20.3 | 149.2 | 39,700* | 30.2 | 166.6 | 44,100* | 34.8 | 173.6 | 47,000* | 41.3 | 182.0 | 51,700 | 46.9 | 187.3 | 49,400 | 51.8 | 190.2 | 47,300 | | | | 130 |
| 135 | 11.2 | 130.7 | 36,700* | 24.9 | 156.7 | 41,500* | 30.2 | 165.6 | 44,100* | 37.5 | 175.8 | 49,100* | 43.5 | 182.2 | 47,100 | 48.7 | 186.0 | 45,000 | | | | 135 |
| 140 | | | | 18.2 | 143.6 | 39,100* | 25.0 | 155.7 | 41,500* | 33.3 | 168.6 | 46,000* | 39.8 | 176.5 | 44,900 | 45.4 | 181.2 | 42,900 | | | | 140 |
| 145 | | | | 6.4 | 119.4 | 36,100* | 18.3 | 142.7 | 39,100* | 28.5 | 160.0 | 43,300* | 35.9 | 169.9 | 42,800 | 41.9 | 175.8 | 40,900 | 46.9 | 179.0 | 39,100 | 145 |
| 150 | | | | | | | 6.7 | 119.0 | 36,900* | 22.9 | 149.3 | 40,700* | 31.5 | 162.2 | 40,900 | 38.1 | 169.7 | 39,100 | 43.5 | 173.9 | 37,300 | 150 |
| 155 | | | | | | | | | | 15.4 | 134.4 | 38,400* | 26.5 | 153.0 | 39,100 | 34.0 | 162.7 | 37,400 | 39.9 | 168.2 | 35,700 | 155 |
| 160 | | | | | | | | | | | | | 20.3 | 141.1 | 37,500 | 29.3 | 154.4 | 35,800 | 36.0 | 161.7 | 34,200 | 160 |
| 165 | | | | | | | | | | | | | 11.2 | 122.6 | 35,800 | 23.9 | 144.2 | 34,300 | 31.6 | 154.0 | 32,700 | 165 |
| 170 | | | | | | | | | | | | | | | | 16.8 | 130.2 | 32,800 | 26.6 | 144.8 | 31,400 | 170 |
| 175 | | | | | | | | | | | | | | | | | | | 20.5 | 133.0 | 30,100 | 175 |
| 180 | | | | | | | | | | | | | | | | | | | 11.5 | 114.8 | 28,800 | 180 |

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

DESIGNED AND TESTED
WITH THE INTENT TO BE
THE SCOPE OF ANSI B30.5

M-250 SERIES 2

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING**

95 FT. BOOM, 130 FT. JIB

| JIB OPER. RAD. FEET | 88 DEGREE BOOM ANGLE | | | 83 DEGREE BOOM ANGLE | | | 80 DEGREE BOOM ANGLE | | | 75 DEGREE BOOM ANGLE | | | 70 DEGREE BOOM ANGLE | | | 65 DEGREE BOOM ANGLE | | | 60 DEGREE BOOM ANGLE | | | JIB OPER. RAD. FEET |
|---------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|---------------------|
| | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | |
| 50 | 75.9 | 234.5 | 103,200* | | | | | | | | | | | | | | | | | | | 50 |
| 55 | 73.6 | 233.0 | 97,500* | | | | | | | | | | | | | | | | | | | 55 |
| 60 | 71.3 | 231.4 | 92,200* | | | | | | | | | | | | | | | | | | | 60 |
| 65 | 68.9 | 229.5 | 87,500* | | | | | | | | | | | | | | | | | | | 65 |
| 70 | 66.5 | 227.4 | 83,100* | 70.6 | 229.6 | 89,400* | | | | | | | | | | | | | | | | 70 |
| 75 | 64.1 | 225.1 | 79,200* | 68.2 | 227.7 | 84,800* | | | | | | | | | | | | | | | | 75 |
| 80 | 61.6 | 222.4 | 75,600* | 65.8 | 225.5 | 80,700* | | | | | | | | | | | | | | | | 80 |
| 85 | 59.0 | 219.5 | 72,200* | 63.4 | 223.0 | 76,900* | 65.9 | 224.4 | 80,000* | | | | | | | | | | | | | 85 |
| 90 | 56.4 | 216.3 | 68,600* | 60.9 | 220.3 | 73,400* | 63.4 | 221.9 | 76,200* | | | | | | | | | | | | | 90 |
| 95 | 53.7 | 212.7 | 63,400* | 58.3 | 217.3 | 70,200* | 60.9 | 219.2 | 72,800* | | | | | | | | | | | | | 95 |
| 100 | 50.9 | 208.8 | 58,700* | 55.7 | 214.0 | 67,100* | 58.3 | 216.2 | 69,600* | 62.6 | 218.6 | 72,000 | | | | | | | | | | 100 |
| 105 | 48.0 | 204.4 | 54,600* | 52.9 | 210.3 | 62,000* | 55.7 | 212.9 | 66,700* | 60.0 | 215.8 | 67,700 | | | | | | | | | | 105 |
| 110 | 44.9 | 199.6 | 51,000* | 50.1 | 206.3 | 57,500* | 53.0 | 209.3 | 62,100* | 57.4 | 212.7 | 63,800 | | | | | | | | | | 110 |
| 115 | 41.7 | 194.2 | 47,700* | 47.1 | 201.8 | 53,500* | 50.1 | 205.2 | 57,600* | 54.8 | 209.3 | 60,300 | | | | | | | | | | 115 |
| 120 | 38.2 | 188.1 | 44,700* | 44.0 | 196.8 | 50,000* | 47.2 | 200.7 | 53,600* | 52.0 | 205.5 | 57,100 | 56.4 | 208.2 | 54,600 | | | | | | | 120 |
| 125 | 34.4 | 181.1 | 42,100* | 40.7 | 191.2 | 46,800* | 44.1 | 195.7 | 50,100* | 49.1 | 201.3 | 54,200 | 53.7 | 204.6 | 51,800 | | | | | | | 125 |
| 130 | 30.2 | 173.0 | 39,600* | 37.1 | 184.9 | 44,000* | 40.7 | 190.1 | 46,900* | 46.1 | 196.6 | 51,500 | 50.9 | 200.7 | 49,200 | | | | | | | 130 |
| 135 | 25.4 | 163.3 | 37,400* | 33.3 | 177.6 | 41,400* | 37.2 | 183.8 | 44,000* | 42.9 | 191.4 | 49,000* | 48.0 | 196.3 | 46,900 | 52.5 | 199.0 | 44,700 | | | | 135 |
| 140 | 19.5 | 150.9 | 35,300* | 28.9 | 169.2 | 39,000* | 33.3 | 176.6 | 41,400* | 39.6 | 185.6 | 45,900* | 44.9 | 191.5 | 44,700 | 49.6 | 194.9 | 42,600 | | | | 140 |
| 145 | 10.7 | 131.6 | 32,700* | 23.9 | 158.8 | 36,800* | 29.0 | 168.2 | 39,000* | 35.9 | 179.0 | 43,100* | 41.7 | 186.1 | 42,600 | 46.6 | 190.3 | 40,700 | | | | 145 |
| 150 | | | | 17.5 | 145.2 | 34,800* | 23.9 | 157.9 | 36,800* | 31.9 | 171.4 | 40,600* | 38.2 | 180.0 | 40,800 | 43.5 | 185.2 | 38,900 | | | | 150 |
| 155 | | | | 6.1 | 119.9 | 32,200* | 17.6 | 144.3 | 34,800* | 27.4 | 162.4 | 38,300* | 34.4 | 173.0 | 39,000 | 40.1 | 179.5 | 37,200 | 45.0 | 183.2 | 35,500 | 155 |
| 160 | | | | | | | 6.4 | 119.5 | 32,800* | 22.0 | 151.3 | 36,200* | 30.2 | 164.9 | 37,300 | 36.5 | 173.1 | 35,600 | 41.7 | 177.8 | 34,000 | 160 |
| 165 | | | | | | | | | | 14.8 | 135.7 | 34,200* | 25.4 | 155.2 | 35,800 | 32.6 | 165.6 | 34,100 | 38.3 | 171.7 | 32,500 | 165 |
| 170 | | | | | | | | | | | | | 19.5 | 142.8 | 34,300 | 28.1 | 156.9 | 32,700 | 34.5 | 164.8 | 31,200 | 170 |
| 175 | | | | | | | | | | | | | 10.7 | 123.5 | 32,900 | 22.9 | 146.2 | 31,400 | 30.3 | 156.7 | 29,900 | 175 |
| 180 | | | | | | | | | | | | | | | | 16.1 | 131.6 | 30,100 | 25.5 | 147.1 | 28,700 | 180 |
| 185 | | | | | | | | | | | | | | | | | | | 19.6 | 134.7 | 27,600 | 185 |
| 190 | | | | | | | | | | | | | | | | | | | 11.0 | 115.7 | 26,500 | 190 |

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

DESIGNED AND TESTED
WITH THE INTENT TO BE
THE SCOPE OF ANSI B30.5

M-250 SERIES 2

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING**

95 FT. BOOM, 140 FT. JIB

| JIB OPER. RAD. FEET | 88 DEGREE BOOM ANGLE | | | 83 DEGREE BOOM ANGLE | | | 80 DEGREE BOOM ANGLE | | | 75 DEGREE BOOM ANGLE | | | 70 DEGREE BOOM ANGLE | | | 65 DEGREE BOOM ANGLE | | | 60 DEGREE BOOM ANGLE | | | JIB OPER. RAD. FEET |
|------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|------------------------------|
| | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | |
| 55 | 74.8 | 243.5 | 94,500* | | | | | | | | | | | | | | | | | | | 55 |
| 60 | 72.7 | 241.9 | 89,600* | | | | | | | | | | | | | | | | | | | 60 |
| 65 | 70.5 | 240.2 | 85,000* | | | | | | | | | | | | | | | | | | | 65 |
| 70 | 68.3 | 238.3 | 80,900* | | | | | | | | | | | | | | | | | | | 70 |
| 75 | 66.1 | 236.1 | 77,100* | 69.9 | 238.4 | 82,500* | | | | | | | | | | | | | | | | 75 |
| 80 | 63.8 | 233.7 | 73,600* | 67.7 | 236.4 | 78,600* | | | | | | | | | | | | | | | | 80 |
| 85 | 61.5 | 231.1 | 70,400* | 65.4 | 234.2 | 74,900* | 67.7 | 235.3 | 77,800* | | | | | | | | | | | | | 85 |
| 90 | 59.1 | 228.2 | 67,400* | 63.1 | 231.7 | 71,500* | 65.5 | 233.1 | 74,200* | | | | | | | | | | | | | 90 |
| 95 | 56.7 | 225.0 | 62,900* | 60.8 | 229.0 | 68,400* | 63.2 | 230.6 | 70,900* | | | | | | | | | | | | | 95 |
| 100 | 54.2 | 221.5 | 58,300* | 58.4 | 226.0 | 65,500* | 60.8 | 227.9 | 67,800* | | | | | | | | | | | | | 100 |
| 105 | 51.6 | 217.6 | 54,100* | 56.0 | 222.7 | 61,500* | 58.5 | 224.9 | 65,000* | 62.4 | 227.3 | 67,200 | | | | | | | | | | 105 |
| 110 | 48.9 | 213.4 | 50,500* | 53.5 | 219.1 | 57,100* | 56.0 | 221.6 | 61,600* | 60.0 | 224.4 | 63,300 | | | | | | | | | | 110 |
| 115 | 46.1 | 208.7 | 47,200* | 50.8 | 215.1 | 53,100* | 53.5 | 218.0 | 57,100* | 57.6 | 221.4 | 59,800 | | | | | | | | | | 115 |
| 120 | 43.2 | 203.6 | 44,300* | 48.1 | 210.8 | 49,500* | 50.9 | 214.1 | 53,200* | 55.2 | 218.0 | 56,600 | | | | | | | | | | 120 |
| 125 | 40.1 | 197.8 | 41,600* | 45.3 | 206.0 | 46,400* | 48.2 | 209.7 | 49,600* | 52.6 | 214.2 | 53,700 | 56.7 | 216.9 | 51,300 | | | | | | | 125 |
| 130 | 36.7 | 191.4 | 39,100* | 42.3 | 200.7 | 43,500* | 45.3 | 204.9 | 46,400* | 50.0 | 210.2 | 51,000 | 54.2 | 213.4 | 48,700 | | | | | | | 130 |
| 135 | 33.1 | 184.1 | 36,900* | 39.1 | 194.8 | 40,900* | 42.4 | 199.6 | 43,600* | 47.2 | 205.7 | 48,500* | 51.6 | 209.5 | 46,300 | | | | | | | 135 |
| 140 | 29.1 | 175.6 | 34,900* | 35.7 | 188.1 | 38,500* | 39.2 | 193.7 | 40,900* | 44.3 | 200.7 | 45,400* | 48.9 | 205.3 | 44,200 | 53.0 | 207.8 | 42,100 | | | | 140 |
| 145 | 24.5 | 165.5 | 33,000* | 32.0 | 180.5 | 36,300* | 35.8 | 187.1 | 38,600* | 41.3 | 195.2 | 42,700* | 46.1 | 200.6 | 42,100 | 50.4 | 203.8 | 40,200 | | | | 145 |
| 150 | 18.8 | 152.5 | 31,200* | 27.8 | 171.6 | 34,300* | 32.1 | 179.5 | 36,400* | 38.1 | 189.1 | 40,100* | 43.2 | 195.5 | 40,300 | 47.7 | 199.4 | 38,400 | | | | 150 |
| 155 | 10.3 | 132.5 | 29,000* | 23.0 | 160.8 | 32,500* | 27.9 | 170.6 | 34,400* | 34.6 | 182.1 | 37,800* | 40.1 | 189.7 | 38,500 | 44.8 | 194.5 | 36,700 | | | | 155 |
| 160 | | | | 16.8 | 146.6 | 30,800* | 23.0 | 159.9 | 32,500* | 30.7 | 174.2 | 35,700* | 36.7 | 183.3 | 36,900 | 41.8 | 189.1 | 35,100 | 46.2 | 192.3 | 33,400 | 160 |
| 165 | | | | 5.8 | 120.4 | 28,600* | 16.9 | 145.7 | 30,800* | 26.3 | 164.8 | 33,800* | 33.1 | 176.0 | 35,300 | 38.6 | 183.0 | 33,600 | 43.2 | 187.2 | 32,000 | 165 |
| 170 | | | | | | | 6.1 | 120.0 | 29,100* | 21.2 | 153.1 | 32,000* | 29.1 | 167.5 | 33,900 | 35.1 | 176.2 | 32,300 | 40.1 | 181.5 | 30,700 | 170 |
| 175 | | | | | | | | | | 14.2 | 136.9 | 30,300* | 24.4 | 157.4 | 32,500 | 31.3 | 168.5 | 31,000 | 36.8 | 175.0 | 29,400 | 175 |
| 180 | | | | | | | | | | | | | 18.8 | 144.4 | 31,200 | 27.1 | 159.3 | 29,700 | 33.2 | 167.8 | 28,200 | 180 |
| 185 | | | | | | | | | | | | | 10.3 | 124.3 | 29,700* | 22.1 | 148.1 | 28,500 | 29.2 | 159.3 | 27,100 | 185 |
| 190 | | | | | | | | | | | | | | | | 15.5 | 132.9 | 27,400 | 24.6 | 149.2 | 26,100 | 190 |
| 195 | | | | | | | | | | | | | | | | | | | 18.9 | 136.3 | 25,000 | 195 |
| 200 | | | | | | | | | | | | | | | | | | | 10.6 | 116.6 | 24,000 | 200 |

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

DESIGNED AND TESTED
WITH THE INTENT TO BE
THE SCOPE OF ANSI B30.5

M-250 SERIES 2

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING**

95 FT. BOOM, 150 FT. JIB

| JIB OPER. RAD. FEET | 88 DEGREE BOOM ANGLE | | | 83 DEGREE BOOM ANGLE | | | 80 DEGREE BOOM ANGLE | | | 75 DEGREE BOOM ANGLE | | | 70 DEGREE BOOM ANGLE | | | 65 DEGREE BOOM ANGLE | | | 60 DEGREE BOOM ANGLE | | | JIB OPER. RAD. FEET |
|---------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|---------------------|
| | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | |
| 55 | 75.8 | 253.8 | 91,900* | | | | | | | | | | | | | | | | | | | 55 |
| 60 | 73.8 | 252.4 | 86,600* | | | | | | | | | | | | | | | | | | | 60 |
| 65 | 71.8 | 250.8 | 82,300* | | | | | | | | | | | | | | | | | | | 65 |
| 70 | 69.8 | 249.0 | 78,400* | | | | | | | | | | | | | | | | | | | 70 |
| 75 | 67.8 | 247.0 | 74,800* | | | | | | | | | | | | | | | | | | | 75 |
| 80 | 65.7 | 244.8 | 71,500* | 69.2 | 247.2 | 76,200* | | | | | | | | | | | | | | | | 80 |
| 85 | 63.6 | 242.4 | 68,400* | 67.2 | 245.1 | 72,700* | | | | | | | | | | | | | | | | 85 |
| 90 | 61.4 | 239.8 | 65,600* | 65.1 | 242.9 | 69,500* | 67.2 | 244.0 | 72,000* | | | | | | | | | | | | | 90 |
| 95 | 59.2 | 236.8 | 62,900* | 62.9 | 240.4 | 66,600* | 65.1 | 241.8 | 68,900* | | | | | | | | | | | | | 95 |
| 100 | 56.9 | 233.7 | 59,300* | 60.8 | 237.7 | 63,800* | 63.0 | 239.3 | 66,000* | | | | | | | | | | | | | 100 |
| 105 | 54.6 | 230.2 | 55,000* | 58.5 | 234.7 | 61,200* | 60.8 | 236.6 | 63,200* | | | | | | | | | | | | | 105 |
| 110 | 52.2 | 226.4 | 51,300* | 56.3 | 231.4 | 58,000* | 58.6 | 233.6 | 60,700* | 62.2 | 235.9 | 62,800 | | | | | | | | | | 110 |
| 115 | 49.7 | 222.3 | 47,900* | 53.9 | 227.9 | 53,900* | 56.3 | 230.3 | 58,100* | 60.0 | 233.1 | 59,300 | | | | | | | | | | 115 |
| 120 | 47.1 | 217.8 | 44,900* | 51.5 | 224.0 | 50,300* | 53.9 | 226.8 | 54,000* | 57.8 | 230.0 | 56,100 | | | | | | | | | | 120 |
| 125 | 44.5 | 212.8 | 42,100* | 49.0 | 219.7 | 47,000* | 51.5 | 222.9 | 50,400* | 55.5 | 226.7 | 53,200 | | | | | | | | | | 125 |
| 130 | 41.6 | 207.4 | 39,600* | 46.4 | 215.1 | 44,100* | 49.0 | 218.7 | 47,100* | 53.1 | 223.0 | 50,500 | 56.9 | 225.6 | 48,200 | | | | | | | 130 |
| 135 | 38.6 | 201.4 | 37,400* | 43.7 | 210.0 | 41,400* | 46.4 | 214.0 | 44,100* | 50.7 | 219.0 | 48,100 | 54.6 | 222.1 | 45,900 | | | | | | | 135 |
| 140 | 35.4 | 194.6 | 35,300* | 40.8 | 204.4 | 39,000* | 43.7 | 209.0 | 41,500* | 48.2 | 214.7 | 45,800 | 52.2 | 218.3 | 43,700 | | | | | | | 140 |
| 145 | 31.9 | 187.0 | 33,300* | 37.7 | 198.2 | 36,800* | 40.8 | 203.4 | 39,000* | 45.5 | 209.9 | 43,200* | 49.7 | 214.2 | 41,700 | | | | | | | 145 |
| 150 | 28.1 | 178.1 | 31,400* | 34.5 | 191.2 | 34,700* | 37.8 | 197.2 | 36,800* | 42.7 | 204.7 | 40,600* | 47.1 | 209.7 | 39,800 | 51.1 | 212.6 | 37,900 | | | | 150 |
| 155 | 23.6 | 167.6 | 29,600* | 30.9 | 183.3 | 32,800* | 34.5 | 190.2 | 34,800* | 39.8 | 198.9 | 38,300* | 44.4 | 204.7 | 38,100 | 48.6 | 208.3 | 36,200 | | | | 155 |
| 160 | 18.1 | 154.1 | 27,800* | 26.9 | 174.0 | 31,000* | 30.9 | 182.3 | 32,900* | 36.7 | 192.4 | 36,100* | 41.6 | 199.3 | 36,400 | 45.9 | 203.6 | 34,600 | | | | 160 |
| 165 | 10.0 | 133.3 | 25,000* | 22.2 | 162.8 | 29,200* | 26.9 | 173.0 | 31,100* | 33.3 | 185.1 | 34,100* | 38.6 | 193.2 | 34,900 | 43.2 | 198.5 | 33,200 | 47.2 | 201.4 | 31,500 | 165 |
| 170 | | | | 16.2 | 148.0 | 27,500* | 22.2 | 161.8 | 29,300* | 29.6 | 176.8 | 32,300* | 35.4 | 186.5 | 33,500 | 40.3 | 192.8 | 31,800 | 44.5 | 196.4 | 30,200 | 170 |
| 175 | | | | 5.6 | 120.8 | 24,700* | 16.3 | 147.1 | 27,600* | 25.4 | 167.0 | 30,600* | 31.9 | 178.9 | 32,100 | 37.2 | 186.4 | 30,500 | 41.7 | 191.0 | 29,000 | 175 |
| 180 | | | | | | | 5.9 | 120.5 | 25,600* | 20.4 | 154.9 | 28,800* | 28.1 | 170.0 | 30,800 | 33.9 | 179.3 | 29,300 | 38.7 | 185.0 | 27,800 | 180 |
| 185 | | | | | | | | | | 13.7 | 138.1 | 27,100* | 23.6 | 159.5 | 29,600 | 30.2 | 171.2 | 28,100 | 35.5 | 178.3 | 26,700 | 185 |
| 190 | | | | | | | | | | | | | 18.1 | 146.0 | 28,300* | 26.1 | 161.6 | 27,000 | 32.0 | 170.6 | 25,600 | 190 |
| 195 | | | | | | | | | | | | | 9.9 | 125.2 | 26,500* | 21.3 | 150.0 | 26,000 | 28.2 | 161.8 | 24,600 | 195 |
| 200 | | | | | | | | | | | | | | | | 15.0 | 134.2 | 25,000 | 23.7 | 151.3 | 23,700 | 200 |
| 205 | | | | | | | | | | | | | | | | | | | 18.2 | 137.9 | 22,800 | 205 |
| 210 | | | | | | | | | | | | | | | | | | | 10.2 | 117.4 | 21,900 | 210 |

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

DESIGNED AND TESTED
WITH THE INTENT TO BE
THE SCOPE OF ANSI B30.5

M-250 SERIES 2

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING**

95 FT. BOOM, 160 FT. JIB

| JIB OPER. RAD. FEET | 88 DEGREE BOOM ANGLE | | | 83 DEGREE BOOM ANGLE | | | 80 DEGREE BOOM ANGLE | | | 75 DEGREE BOOM ANGLE | | | 70 DEGREE BOOM ANGLE | | | 65 DEGREE BOOM ANGLE | | | 60 DEGREE BOOM ANGLE | | | JIB OPER. RAD. FEET |
|---------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|---------------------|
| | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | |
| 60 | 74.9 | 262.8 | 82,100* | | | | | | | | | | | | | | | | | | | 60 |
| 65 | 73.0 | 261.3 | 78,600* | | | | | | | | | | | | | | | | | | | 65 |
| 70 | 71.1 | 259.7 | 76,100* | | | | | | | | | | | | | | | | | | | 70 |
| 75 | 69.2 | 257.8 | 72,700* | | | | | | | | | | | | | | | | | | | 75 |
| 80 | 67.3 | 255.8 | 69,500* | 70.6 | 257.9 | 73,900* | | | | | | | | | | | | | | | | 80 |
| 85 | 65.3 | 253.5 | 66,500* | 68.7 | 256.0 | 70,600* | | | | | | | | | | | | | | | | 85 |
| 90 | 63.3 | 251.1 | 63,800* | 66.7 | 253.9 | 67,600* | | | | | | | | | | | | | | | | 90 |
| 95 | 61.3 | 248.4 | 61,200* | 64.8 | 251.6 | 64,800* | 66.8 | 252.8 | 66,900* | | | | | | | | | | | | | 95 |
| 100 | 59.2 | 245.5 | 58,800* | 62.8 | 249.1 | 62,100* | 64.8 | 250.5 | 64,100* | | | | | | | | | | | | | 100 |
| 105 | 57.1 | 242.4 | 54,500* | 60.7 | 246.3 | 59,600* | 62.8 | 248.0 | 60,600 | | | | | | | | | | | | | 105 |
| 110 | 54.9 | 238.9 | 50,800* | 58.6 | 243.3 | 57,300* | 60.7 | 245.2 | 56,900 | | | | | | | | | | | | | 110 |
| 115 | 52.7 | 235.2 | 47,400* | 56.5 | 240.1 | 53,400* | 58.7 | 242.2 | 53,500 | 62.1 | 244.6 | 49,800 | | | | | | | | | | 115 |
| 120 | 50.4 | 231.2 | 44,400* | 54.3 | 236.6 | 49,800* | 56.5 | 239.0 | 50,400 | 60.0 | 241.8 | 46,900 | | | | | | | | | | 120 |
| 125 | 48.0 | 226.8 | 41,600* | 52.1 | 232.8 | 46,500* | 54.3 | 235.5 | 47,500 | 57.9 | 238.7 | 44,200 | | | | | | | | | | 125 |
| 130 | 45.6 | 222.0 | 39,100* | 49.7 | 228.7 | 43,600* | 52.1 | 231.7 | 45,000 | 55.8 | 235.4 | 41,800 | | | | | | | | | | 130 |
| 135 | 43.0 | 216.8 | 36,800* | 47.3 | 224.2 | 40,900* | 49.8 | 227.6 | 42,600 | 53.6 | 231.8 | 39,500 | 57.1 | 234.3 | 36,500 | | | | | | | 135 |
| 140 | 40.2 | 211.1 | 34,700* | 44.8 | 219.3 | 38,500* | 47.4 | 223.1 | 40,400 | 51.3 | 227.9 | 37,400 | 54.9 | 230.8 | 34,600 | | | | | | | 140 |
| 145 | 37.4 | 204.8 | 32,800* | 42.2 | 213.9 | 36,200* | 44.9 | 218.2 | 38,300 | 49.0 | 223.6 | 35,500 | 52.7 | 227.1 | 32,700 | | | | | | | 145 |
| 150 | 34.3 | 197.7 | 31,000* | 39.4 | 208.0 | 34,200* | 42.2 | 212.9 | 36,300* | 46.5 | 219.0 | 33,700 | 50.4 | 223.1 | 31,100 | | | | | | | 150 |
| 155 | 30.9 | 189.7 | 29,400* | 36.5 | 201.5 | 32,300* | 39.5 | 207.0 | 34,200* | 44.0 | 214.0 | 32,000 | 48.0 | 218.7 | 29,500 | 51.7 | 221.4 | 27,000 | | | | 155 |
| 160 | 27.1 | 180.5 | 27,700* | 33.3 | 194.2 | 30,600* | 36.5 | 200.5 | 32,400* | 41.3 | 208.5 | 30,500 | 45.5 | 213.9 | 28,000 | 49.3 | 217.3 | 25,600 | | | | 160 |
| 165 | 22.8 | 169.6 | 26,100* | 29.9 | 185.9 | 29,000* | 33.4 | 193.2 | 30,600* | 38.5 | 202.4 | 29,000 | 43.0 | 208.7 | 26,600 | 46.9 | 212.7 | 24,300 | | | | 165 |
| 170 | 17.5 | 155.6 | 24,600* | 26.0 | 176.3 | 27,400* | 29.9 | 184.9 | 29,000* | 35.5 | 195.6 | 27,700 | 40.2 | 203.0 | 25,300 | 44.4 | 207.7 | 23,100 | | | | 170 |
| 175 | 9.6 | 134.2 | 22,100* | 21.4 | 164.7 | 25,800* | 26.0 | 175.3 | 27,500* | 32.2 | 188.0 | 26,400 | 37.3 | 196.6 | 24,100 | 41.7 | 202.3 | 21,900 | 45.6 | 205.6 | 19,800 | 175 |
| 180 | | | | 15.7 | 149.4 | 24,300* | 21.5 | 163.7 | 25,900* | 28.6 | 179.4 | 25,100 | 34.2 | 189.6 | 23,000 | 39.0 | 196.3 | 20,900 | 43.0 | 200.4 | 18,800 | 180 |
| 185 | | | | 5.4 | 121.3 | 21,900* | 15.8 | 148.5 | 24,400* | 24.6 | 169.2 | 24,000 | 30.9 | 181.6 | 21,900 | 36.0 | 189.7 | 19,800 | 40.3 | 194.7 | 17,900 | 185 |
| 190 | | | | | | | 5.7 | 120.9 | 22,700* | 19.7 | 156.6 | 22,800 | 27.1 | 172.4 | 20,800 | 32.8 | 182.2 | 18,900 | 37.4 | 188.4 | 16,900 | 190 |
| 195 | | | | | | | | | | 13.3 | 139.2 | 21,800 | 22.8 | 161.5 | 19,800 | 29.2 | 173.8 | 17,900 | 34.3 | 181.4 | 16,100 | 195 |
| 200 | | | | | | | | | | | | | 17.5 | 147.5 | 18,900 | 25.3 | 163.9 | 17,100 | 31.0 | 173.4 | 15,300 | 200 |
| 205 | | | | | | | | | | | | | 9.6 | 126.0 | 17,900 | 20.6 | 151.8 | 16,200 | 27.2 | 164.2 | 14,500 | 205 |
| 210 | | | | | | | | | | | | | | | | 14.5 | 135.5 | 15,400 | 22.9 | 153.3 | 13,700 | 210 |
| 215 | | | | | | | | | | | | | | | | | | | 17.6 | 139.5 | 13,000 | 215 |
| 220 | | | | | | | | | | | | | | | | | | | 9.8 | 118.3 | 12,200 | 220 |

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

DESIGNED AND TESTED
WITH THE INTENT TO BE
THE SCOPE OF ANSI B30.5

M-250 SERIES 2

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING**

95 FT. BOOM, 170 FT. JIB

| JIB OPER. RAD. FEET | 88 DEGREE BOOM ANGLE | | | 83 DEGREE BOOM ANGLE | | | 80 DEGREE BOOM ANGLE | | | 75 DEGREE BOOM ANGLE | | | 70 DEGREE BOOM ANGLE | | | 65 DEGREE BOOM ANGLE | | | 60 DEGREE BOOM ANGLE | | | JIB OPER. RAD. FEET |
|---------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|---------------------|
| | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | |
| 60 | 75.8 | 273.2 | 77,200* | | | | | | | | | | | | | | | | | | | 60 |
| 65 | 74.0 | 271.8 | 74,400* | | | | | | | | | | | | | | | | | | | 65 |
| 70 | 72.3 | 270.2 | 71,600* | | | | | | | | | | | | | | | | | | | 70 |
| 75 | 70.5 | 268.5 | 69,000* | | | | | | | | | | | | | | | | | | | 75 |
| 80 | 68.7 | 266.6 | 67,700* | | | | | | | | | | | | | | | | | | | 80 |
| 85 | 66.9 | 264.5 | 64,900* | 70.0 | 266.7 | 67,400* | | | | | | | | | | | | | | | | 85 |
| 90 | 65.0 | 262.2 | 62,300* | 68.2 | 264.7 | 64,800* | | | | | | | | | | | | | | | | 90 |
| 95 | 63.1 | 259.8 | 59,800* | 66.3 | 262.6 | 63,200* | | | | | | | | | | | | | | | | 95 |
| 100 | 61.2 | 257.1 | 57,400* | 64.5 | 260.3 | 60,600* | 66.4 | 261.5 | 62,500* | | | | | | | | | | | | | 100 |
| 105 | 59.3 | 254.2 | 54,200* | 62.6 | 257.7 | 58,200* | 64.5 | 259.2 | 60,000* | | | | | | | | | | | | | 105 |
| 110 | 57.3 | 251.0 | 50,500* | 60.7 | 255.0 | 55,900* | 62.6 | 256.6 | 56,500 | | | | | | | | | | | | | 110 |
| 115 | 55.2 | 247.6 | 47,100* | 58.7 | 252.0 | 53,100* | 60.7 | 253.9 | 53,100 | | | | | | | | | | | | | 115 |
| 120 | 53.2 | 244.0 | 44,100* | 56.7 | 248.8 | 49,500* | 58.7 | 250.9 | 50,000 | 62.0 | 253.2 | 46,500 | | | | | | | | | | 120 |
| 125 | 51.0 | 240.0 | 41,300* | 54.7 | 245.3 | 46,200* | 56.7 | 247.7 | 47,200 | 60.0 | 250.4 | 43,800 | | | | | | | | | | 125 |
| 130 | 48.8 | 235.7 | 38,800* | 52.5 | 241.6 | 43,300* | 54.7 | 244.2 | 44,600 | 58.1 | 247.4 | 41,400 | | | | | | | | | | 130 |
| 135 | 46.5 | 231.1 | 36,500* | 50.4 | 237.5 | 40,600* | 52.6 | 240.5 | 42,200 | 56.0 | 244.1 | 39,100 | | | | | | | | | | 135 |
| 140 | 44.1 | 226.1 | 34,400* | 48.1 | 233.2 | 38,200* | 50.4 | 236.5 | 40,000 | 54.0 | 240.5 | 37,100 | 57.3 | 242.9 | 34,200 | | | | | | | 140 |
| 145 | 41.6 | 220.6 | 32,500* | 45.8 | 228.4 | 35,900* | 48.2 | 232.1 | 38,000 | 51.8 | 236.7 | 35,200 | 55.2 | 239.5 | 32,400 | | | | | | | 145 |
| 150 | 39.0 | 214.6 | 30,700* | 43.4 | 223.3 | 33,900* | 45.9 | 227.4 | 36,000* | 49.7 | 232.5 | 33,400 | 53.2 | 235.9 | 30,700 | | | | | | | 150 |
| 155 | 36.2 | 208.0 | 29,100* | 40.9 | 217.7 | 32,000* | 43.4 | 222.2 | 33,900* | 47.4 | 228.0 | 31,700 | 51.0 | 231.9 | 29,100 | | | | | | | 155 |
| 160 | 33.2 | 200.7 | 27,600* | 38.2 | 211.5 | 30,300* | 40.9 | 216.6 | 32,100* | 45.0 | 223.2 | 30,200 | 48.8 | 227.6 | 27,700 | 52.2 | 230.2 | 25,200 | | | | 160 |
| 165 | 29.9 | 192.4 | 26,100* | 35.4 | 204.7 | 28,700* | 38.2 | 210.5 | 30,300* | 42.6 | 217.9 | 28,700 | 46.5 | 223.0 | 26,300 | 50.0 | 226.2 | 24,000 | | | | 165 |
| 170 | 26.3 | 182.9 | 24,600* | 32.3 | 197.1 | 27,200* | 35.4 | 203.7 | 28,700* | 40.0 | 212.1 | 27,300 | 44.1 | 218.0 | 25,000 | 47.8 | 221.7 | 22,700 | | | | 170 |
| 175 | 22.1 | 171.5 | 23,200* | 28.9 | 188.5 | 25,800* | 32.3 | 196.1 | 27,200* | 37.3 | 205.8 | 26,100 | 41.6 | 212.5 | 23,800 | 45.4 | 216.9 | 21,600 | | | | 175 |
| 180 | 17.0 | 157.1 | 21,900* | 25.2 | 178.5 | 24,300* | 29.0 | 187.5 | 25,800* | 34.4 | 198.7 | 24,800 | 39.0 | 206.5 | 22,700 | 43.0 | 211.7 | 20,500 | 46.5 | 214.7 | 18,500 | 180 |
| 185 | 9.3 | 134.9 | 19,600* | 20.8 | 166.5 | 23,000* | 25.2 | 177.6 | 24,400* | 31.2 | 190.8 | 23,700 | 36.2 | 199.9 | 21,600 | 40.4 | 206.0 | 19,500 | 44.2 | 209.7 | 17,500 | 185 |
| 190 | | | | 15.2 | 150.7 | 21,600* | 20.8 | 165.6 | 23,000* | 27.8 | 181.8 | 22,600 | 33.2 | 192.6 | 20,600 | 37.7 | 199.7 | 18,600 | 41.7 | 204.2 | 16,600 | 190 |
| 195 | | | | 5.3 | 121.7 | 19,500* | 15.3 | 149.8 | 21,700* | 23.8 | 171.3 | 21,600 | 29.9 | 184.3 | 19,600 | 34.9 | 192.8 | 17,600 | 39.0 | 198.3 | 15,800 | 195 |
| 200 | | | | | | | 5.5 | 121.4 | 20,200* | 19.1 | 158.3 | 20,600 | 26.3 | 174.8 | 18,700 | 31.7 | 185.1 | 16,800 | 36.2 | 191.7 | 15,000 | 200 |
| 205 | | | | | | | | | | 12.8 | 140.3 | 19,600 | 22.1 | 163.4 | 17,800 | 28.3 | 176.3 | 15,900 | 33.3 | 184.3 | 14,200 | 205 |
| 210 | | | | | | | | | | | | | 17.0 | 149.0 | 16,900 | 24.5 | 166.0 | 15,100 | 30.0 | 176.1 | 13,400 | 210 |
| 215 | | | | | | | | | | | | | 9.3 | 126.7 | 16,000 | 19.9 | 153.5 | 14,400 | 26.4 | 166.6 | 12,700 | 215 |
| 220 | | | | | | | | | | | | | | | | 14.0 | 136.7 | 13,600 | 22.2 | 155.3 | 12,000 | 220 |
| 225 | | | | | | | | | | | | | | | | | | | 17.1 | 140.9 | 11,400 | 225 |
| 230 | | | | | | | | | | | | | | | | | | | 9.5 | 119.1 | 10,700 | 230 |

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

DESIGNED AND TESTED
WITH THE INTENT TO BE
THE SCOPE OF ANSI B30.5

M-250 SERIES 2

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING**

95 FT. BOOM, 180 FT. JIB

| JIB OPER. RAD. FEET | 88 DEGREE BOOM ANGLE | | | 83 DEGREE BOOM ANGLE | | | 80 DEGREE BOOM ANGLE | | | 75 DEGREE BOOM ANGLE | | | 70 DEGREE BOOM ANGLE | | | 65 DEGREE BOOM ANGLE | | | 60 DEGREE BOOM ANGLE | | | JIB OPER. RAD. FEET |
|---------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|---------------------|
| | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | |
| 65 | 75.0 | 282.2 | 70,400* | | | | | | | | | | | | | | | | | | | 65 |
| 70 | 73.3 | 280.7 | 68,100* | | | | | | | | | | | | | | | | | | | 70 |
| 75 | 71.6 | 279.1 | 65,800* | | | | | | | | | | | | | | | | | | | 75 |
| 80 | 69.9 | 277.3 | 64,100* | | | | | | | | | | | | | | | | | | | 80 |
| 85 | 68.2 | 275.4 | 62,200* | | | | | | | | | | | | | | | | | | | 85 |
| 90 | 66.5 | 273.2 | 60,400* | 69.4 | 275.5 | 61,800* | | | | | | | | | | | | | | | | 90 |
| 95 | 64.7 | 270.9 | 58,100* | 67.7 | 273.5 | 59,800* | | | | | | | | | | | | | | | | 95 |
| 100 | 63.0 | 268.4 | 55,800* | 66.0 | 271.3 | 58,000* | 67.8 | 272.4 | 60,600* | | | | | | | | | | | | | 100 |
| 105 | 61.2 | 265.7 | 53,700* | 64.2 | 268.9 | 56,600* | 66.0 | 270.2 | 58,200* | | | | | | | | | | | | | 105 |
| 110 | 59.3 | 262.8 | 49,900* | 62.4 | 266.4 | 54,400* | 64.3 | 267.8 | 55,800 | | | | | | | | | | | | | 110 |
| 115 | 57.4 | 259.7 | 46,600* | 60.6 | 263.6 | 52,300* | 62.5 | 265.3 | 52,500 | | | | | | | | | | | | | 115 |
| 120 | 55.5 | 256.3 | 43,500* | 58.8 | 260.7 | 49,000* | 60.7 | 262.5 | 49,400 | | | | | | | | | | | | | 120 |
| 125 | 53.6 | 252.7 | 40,800* | 56.9 | 257.5 | 45,700* | 58.8 | 259.6 | 46,600 | 61.9 | 261.9 | 43,200 | | | | | | | | | | 125 |
| 130 | 51.5 | 248.8 | 38,300* | 55.0 | 254.0 | 42,700* | 56.9 | 256.4 | 44,000 | 60.0 | 259.1 | 40,700 | | | | | | | | | | 130 |
| 135 | 49.5 | 244.7 | 36,000* | 53.0 | 250.3 | 40,100* | 55.0 | 253.0 | 41,600 | 58.2 | 256.0 | 38,500 | | | | | | | | | | 135 |
| 140 | 47.3 | 240.2 | 33,900* | 50.9 | 246.4 | 37,600* | 53.0 | 249.3 | 39,400 | 56.3 | 252.8 | 36,400 | | | | | | | | | | 140 |
| 145 | 45.1 | 235.3 | 32,000* | 48.9 | 242.1 | 35,400* | 51.0 | 245.3 | 37,400 | 54.3 | 249.3 | 34,500 | 57.4 | 251.6 | 31,700 | | | | | | | 145 |
| 150 | 42.8 | 230.0 | 30,200* | 46.7 | 237.5 | 33,400* | 48.9 | 241.0 | 35,500* | 52.3 | 245.5 | 32,700 | 55.5 | 248.2 | 30,000 | | | | | | | 150 |
| 155 | 40.4 | 224.3 | 28,600* | 44.4 | 232.5 | 31,500* | 46.7 | 236.4 | 33,400* | 50.3 | 241.4 | 31,100 | 53.5 | 244.6 | 28,400 | | | | | | | 155 |
| 160 | 37.8 | 218.1 | 27,000* | 42.1 | 227.1 | 29,700* | 44.5 | 231.5 | 31,500* | 48.2 | 237.0 | 29,500 | 51.5 | 240.7 | 27,000 | | | | | | | 160 |
| 165 | 35.1 | 211.2 | 25,600* | 39.7 | 221.3 | 28,100* | 42.1 | 226.1 | 29,800* | 46.0 | 232.3 | 28,100 | 49.5 | 236.6 | 25,600 | 52.6 | 239.0 | 23,200 | | | | 165 |
| 170 | 32.2 | 203.6 | 24,300* | 37.1 | 214.9 | 26,600* | 39.7 | 220.2 | 28,200* | 43.7 | 227.2 | 26,700 | 47.3 | 232.1 | 24,300 | 50.6 | 235.0 | 22,000 | | | | 170 |
| 175 | 29.1 | 195.0 | 23,000* | 34.3 | 207.8 | 25,200* | 37.1 | 213.8 | 26,700* | 41.3 | 221.7 | 25,400 | 45.1 | 227.2 | 23,100 | 48.5 | 230.7 | 20,900 | | | | 175 |
| 180 | 25.5 | 185.1 | 21,700* | 31.3 | 199.9 | 23,900* | 34.4 | 206.8 | 25,300* | 38.8 | 215.6 | 24,200 | 42.8 | 221.9 | 22,000 | 46.3 | 226.0 | 19,800 | | | | 180 |
| 185 | 21.5 | 173.4 | 20,500* | 28.1 | 191.0 | 22,700* | 31.4 | 198.9 | 24,000* | 36.2 | 209.0 | 23,100 | 40.4 | 216.2 | 20,900 | 44.1 | 221.0 | 18,800 | 47.4 | 223.8 | 16,800 | 185 |
| 190 | 16.5 | 158.5 | 19,300* | 24.4 | 180.7 | 21,500* | 28.1 | 190.0 | 22,700* | 33.4 | 201.7 | 22,000 | 37.8 | 210.0 | 19,900 | 41.7 | 215.5 | 17,900 | 45.1 | 218.9 | 15,900 | 190 |
| 195 | 9.0 | 135.7 | 17,200* | 20.2 | 168.3 | 20,200* | 24.5 | 179.7 | 21,500* | 30.3 | 193.5 | 21,000 | 35.1 | 203.1 | 19,000 | 39.2 | 209.6 | 17,000 | 42.8 | 213.6 | 15,100 | 195 |
| 200 | | | | 14.7 | 152.0 | 19,000* | 20.2 | 167.3 | 20,300* | 27.0 | 184.2 | 20,000 | 32.2 | 195.5 | 18,000 | 36.6 | 203.1 | 16,100 | 40.4 | 207.9 | 14,300 | 200 |
| 205 | | | | 5.1 | 122.1 | 17,100* | 14.8 | 151.1 | 19,100* | 23.1 | 173.3 | 19,100 | 29.0 | 186.9 | 17,200 | 33.8 | 195.9 | 15,300 | 37.9 | 201.7 | 13,500 | 205 |
| 210 | | | | | | | 5.4 | 121.8 | 17,800* | 18.6 | 159.9 | 18,200 | 25.5 | 177.0 | 16,300 | 30.8 | 187.8 | 14,500 | 35.2 | 194.9 | 12,800 | 210 |
| 215 | | | | | | | | | | 12.5 | 141.4 | 17,300 | 21.5 | 165.3 | 15,500 | 27.5 | 178.7 | 13,800 | 32.3 | 187.2 | 12,100 | 215 |
| 220 | | | | | | | | | | | | | 16.5 | 150.4 | 14,700 | 23.8 | 168.1 | 13,100 | 29.1 | 178.7 | 11,400 | 220 |
| 225 | | | | | | | | | | | | | 9.0 | 127.5 | 14,000 | 19.4 | 155.2 | 12,400 | 25.6 | 168.9 | 10,800 | 225 |
| 230 | | | | | | | | | | | | | | | | 13.6 | 137.9 | 11,700 | 21.6 | 157.2 | 10,100 | 230 |
| 235 | | | | | | | | | | | | | | | | | | | 16.6 | 142.4 | 9,500 | 235 |
| 240 | | | | | | | | | | | | | | | | | | | 9.3 | 119.9 | 8,900 | 240 |

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

DESIGNED AND TESTED
WITH THE INTENT TO BE
THE SCOPE OF ANSI B30.5

M-250 SERIES 2

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING**

95 FT. BOOM, 190 FT. JIB

| JIB OPER. RAD. FEET | 88 DEGREE BOOM ANGLE | | | 83 DEGREE BOOM ANGLE | | | 80 DEGREE BOOM ANGLE | | | 75 DEGREE BOOM ANGLE | | | 70 DEGREE BOOM ANGLE | | | 65 DEGREE BOOM ANGLE | | | 60 DEGREE BOOM ANGLE | | | JIB OPER. RAD. FEET |
|---------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|---------------------|
| | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | |
| 65 | 75.8 | 292.5 | 66,600* | | | | | | | | | | | | | | | | | | | 65 |
| 70 | 74.2 | 291.2 | 64,800* | | | | | | | | | | | | | | | | | | | 70 |
| 75 | 72.6 | 289.6 | 63,000* | | | | | | | | | | | | | | | | | | | 75 |
| 80 | 71.0 | 288.0 | 61,800* | | | | | | | | | | | | | | | | | | | 80 |
| 85 | 69.4 | 286.1 | 60,200* | | | | | | | | | | | | | | | | | | | 85 |
| 90 | 67.8 | 284.1 | 58,600* | 70.6 | 286.2 | 59,000* | | | | | | | | | | | | | | | | 90 |
| 95 | 66.2 | 282.0 | 56,600* | 69.0 | 284.3 | 57,400* | | | | | | | | | | | | | | | | 95 |
| 100 | 64.5 | 279.6 | 54,400* | 67.3 | 282.2 | 55,900* | | | | | | | | | | | | | | | | 100 |
| 105 | 62.8 | 277.1 | 52,400* | 65.7 | 280.0 | 52,300* | 67.4 | 281.1 | 56,600* | | | | | | | | | | | | | 105 |
| 110 | 61.1 | 274.4 | 49,400* | 64.0 | 277.6 | 51,900* | 65.7 | 278.9 | 54,500* | | | | | | | | | | | | | 110 |
| 115 | 59.4 | 271.5 | 46,100* | 62.3 | 275.1 | 51,100* | 64.0 | 276.5 | 51,900 | | | | | | | | | | | | | 115 |
| 120 | 57.6 | 268.4 | 43,000* | 60.6 | 272.3 | 48,500* | 62.3 | 274.0 | 48,800 | | | | | | | | | | | | | 120 |
| 125 | 55.8 | 265.0 | 40,300* | 58.8 | 269.3 | 45,200* | 60.6 | 271.2 | 46,000 | | | | | | | | | | | | | 125 |
| 130 | 53.9 | 261.5 | 37,800* | 57.1 | 266.2 | 42,200* | 58.9 | 268.2 | 43,400 | 61.8 | 270.6 | 40,100 | | | | | | | | | | 130 |
| 135 | 52.0 | 257.6 | 35,500* | 55.2 | 262.7 | 39,600* | 57.1 | 265.1 | 41,100 | 60.0 | 267.7 | 37,900 | | | | | | | | | | 135 |
| 140 | 50.1 | 253.5 | 33,400* | 53.4 | 259.1 | 37,100* | 55.3 | 261.7 | 38,900 | 58.3 | 264.7 | 35,800 | | | | | | | | | | 140 |
| 145 | 48.1 | 249.1 | 31,500* | 51.5 | 255.2 | 34,900* | 53.4 | 258.0 | 36,900 | 56.5 | 261.5 | 33,900 | | | | | | | | | | 145 |
| 150 | 46.0 | 244.4 | 29,700* | 49.5 | 251.0 | 32,900* | 51.5 | 254.1 | 35,000* | 54.6 | 258.0 | 32,200 | 57.6 | 260.3 | 29,400 | | | | | | | 150 |
| 155 | 43.8 | 239.3 | 28,100* | 47.5 | 246.5 | 31,000* | 49.5 | 249.9 | 32,900* | 52.7 | 254.3 | 30,500 | 55.8 | 256.9 | 27,800 | | | | | | | 155 |
| 160 | 41.6 | 233.8 | 26,500* | 45.4 | 241.7 | 29,200* | 47.5 | 245.5 | 31,000* | 50.8 | 250.3 | 29,000 | 53.9 | 253.4 | 26,400 | | | | | | | 160 |
| 165 | 39.2 | 227.9 | 25,100* | 43.2 | 236.5 | 27,600* | 45.4 | 240.6 | 29,300* | 48.8 | 246.0 | 27,500 | 52.0 | 249.5 | 25,000 | | | | | | | 165 |
| 170 | 36.8 | 221.4 | 23,800* | 40.9 | 230.9 | 26,100* | 43.2 | 235.5 | 27,700* | 46.8 | 241.4 | 26,200 | 50.1 | 245.4 | 23,800 | | | | | | | 170 |
| 175 | 34.1 | 214.3 | 22,500* | 38.5 | 224.8 | 24,700* | 41.0 | 229.8 | 26,200* | 44.7 | 236.4 | 24,900 | 48.0 | 241.0 | 22,600 | 51.1 | 243.9 | 20,300 | | | | 175 |
| 180 | 31.3 | 206.4 | 21,400* | 36.0 | 218.1 | 23,400* | 38.6 | 223.7 | 24,800* | 42.5 | 231.1 | 23,700 | 46.0 | 236.3 | 21,400 | 49.2 | 239.6 | 19,200 | | | | 180 |
| 185 | 28.3 | 197.5 | 20,200* | 33.4 | 210.8 | 22,200* | 36.1 | 217.1 | 23,500* | 40.2 | 225.4 | 22,600 | 43.8 | 231.2 | 20,400 | 47.1 | 235.1 | 18,200 | | | | 185 |
| 190 | 24.8 | 187.3 | 19,100* | 30.5 | 202.7 | 21,100* | 33.4 | 209.8 | 22,200* | 37.7 | 219.1 | 21,500 | 41.6 | 225.7 | 19,400 | 45.0 | 230.2 | 17,300 | | | | 190 |
| 195 | 20.9 | 175.3 | 18,000* | 27.3 | 193.4 | 20,000* | 30.5 | 201.6 | 21,100* | 35.2 | 212.2 | 20,500 | 39.2 | 219.8 | 18,400 | 42.8 | 224.9 | 16,400 | 46.0 | 228.0 | 14,500 | 195 |
| 200 | 16.0 | 159.9 | 16,900* | 23.8 | 182.8 | 18,900* | 27.4 | 192.5 | 20,000* | 32.4 | 204.6 | 19,500 | 36.8 | 213.3 | 17,500 | 40.5 | 219.2 | 15,600 | 43.9 | 222.9 | 13,700 | 200 |
| 205 | 8.8 | 136.5 | 15,000* | 19.6 | 170.0 | 17,800* | 23.8 | 181.8 | 18,900* | 29.5 | 196.2 | 18,600 | 34.1 | 206.2 | 16,600 | 38.1 | 213.1 | 14,700 | 38.1 | 213.1 | 12,900 | 205 |
| 210 | | | | 14.3 | 153.2 | 16,700* | 19.7 | 169.0 | 17,800* | 26.2 | 186.6 | 17,700 | 31.3 | 198.3 | 15,800 | 35.6 | 206.3 | 14,000 | 39.3 | 211.5 | 12,200 | 210 |
| 215 | | | | 4.9 | 122.5 | 15,000* | 14.4 | 152.3 | 16,700* | 22.5 | 175.3 | 16,900 | 28.2 | 189.4 | 15,000 | 32.9 | 198.8 | 13,200 | 36.8 | 205.0 | 11,500 | 215 |
| 220 | | | | | | | 5.2 | 122.2 | 15,600* | 18.1 | 161.5 | 16,100 | 24.8 | 179.2 | 14,300 | 30.0 | 190.5 | 12,500 | 34.2 | 197.9 | 10,800 | 220 |
| 225 | | | | | | | | | | 12.1 | 142.4 | 15,200 | 20.9 | 167.1 | 13,500 | 26.8 | 181.1 | 11,900 | 31.4 | 190.1 | 10,200 | 225 |
| 230 | | | | | | | | | | | | | 16.0 | 151.8 | 12,800 | 23.1 | 170.2 | 11,200 | 28.3 | 181.2 | 9,600 | 230 |
| 235 | | | | | | | | | | | | | 8.8 | 128.2 | 12,100 | 18.8 | 156.9 | 10,600 | 24.9 | 171.1 | 9,000 | 235 |
| 240 | | | | | | | | | | | | | | | | 13.2 | 139.0 | 9,900 | 21.0 | 159.0 | 8,400 | 240 |
| 245 | | | | | | | | | | | | | | | | | | | 16.1 | 143.8 | 7,900 | 245 |
| 250 | | | | | | | | | | | | | | | | | | | 9.0 | 120.6 | 7,300 | 250 |

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

DESIGNED AND TESTED
WITH THE INTENT TO BE
THE SCOPE OF ANSI B30.5

M-250 SERIES 2

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING**

95 FT. BOOM, 200 FT. JIB

| JIB OPER. RAD. FEET | 88 DEGREE BOOM ANGLE | | | 83 DEGREE BOOM ANGLE | | | 80 DEGREE BOOM ANGLE | | | 75 DEGREE BOOM ANGLE | | | 70 DEGREE BOOM ANGLE | | | 65 DEGREE BOOM ANGLE | | | 60 DEGREE BOOM ANGLE | | | JIB OPER. RAD. FEET |
|---------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|---------------------|
| | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | |
| 70 | 75.0 | 301.6 | 60,800* | | | | | | | | | | | | | | | | | | | 70 |
| 75 | 73.5 | 300.1 | 59,000* | | | | | | | | | | | | | | | | | | | 75 |
| 80 | 72.0 | 298.5 | 57,900* | | | | | | | | | | | | | | | | | | | 80 |
| 85 | 70.5 | 296.8 | 56,200* | | | | | | | | | | | | | | | | | | | 85 |
| 90 | 69.0 | 294.9 | 55,700* | | | | | | | | | | | | | | | | | | | 90 |
| 95 | 67.4 | 292.9 | 54,800* | 70.1 | 295.0 | 52,900* | | | | | | | | | | | | | | | | 95 |
| 100 | 65.9 | 290.7 | 52,400* | 68.5 | 293.1 | 52,000* | | | | | | | | | | | | | | | | 100 |
| 105 | 64.3 | 288.3 | 49,900* | 67.0 | 291.0 | 51,100* | | | | | | | | | | | | | | | | 105 |
| 110 | 62.7 | 285.8 | 47,400* | 65.4 | 288.7 | 50,300* | 67.0 | 289.9 | 52,700* | | | | | | | | | | | | | 110 |
| 115 | 61.0 | 283.1 | 45,000* | 63.8 | 286.3 | 49,500* | 65.4 | 287.6 | 50,800* | | | | | | | | | | | | | 115 |
| 120 | 59.4 | 280.2 | 42,500* | 62.2 | 283.7 | 47,200* | 63.8 | 285.2 | 48,200 | | | | | | | | | | | | | 120 |
| 125 | 57.7 | 277.1 | 39,700* | 60.6 | 281.0 | 44,600* | 62.2 | 282.6 | 45,400 | | | | | | | | | | | | | 125 |
| 130 | 56.0 | 273.7 | 37,200* | 58.9 | 278.0 | 41,700* | 60.6 | 279.9 | 42,800 | | | | | | | | | | | | | 130 |
| 135 | 54.2 | 270.2 | 35,000* | 57.2 | 274.8 | 39,000* | 58.9 | 276.9 | 40,400 | 61.7 | 279.2 | 37,200 | | | | | | | | | | 135 |
| 140 | 52.4 | 266.4 | 32,900* | 55.5 | 271.5 | 36,600* | 57.2 | 273.7 | 38,300 | 60.0 | 276.4 | 35,200 | | | | | | | | | | 140 |
| 145 | 50.6 | 262.4 | 30,900* | 53.7 | 267.9 | 34,400* | 55.5 | 270.4 | 36,200 | 58.4 | 273.4 | 33,300 | | | | | | | | | | 145 |
| 150 | 48.7 | 258.1 | 29,200* | 51.9 | 264.0 | 32,300* | 53.7 | 266.8 | 34,400* | 56.6 | 270.1 | 31,500 | | | | | | | | | | 150 |
| 155 | 46.8 | 253.5 | 27,500* | 50.1 | 259.9 | 30,400* | 51.9 | 262.9 | 32,400* | 54.9 | 266.7 | 29,900 | 57.7 | 269.0 | 27,200 | | | | | | | 155 |
| 160 | 44.7 | 248.6 | 26,000* | 48.1 | 255.5 | 28,700* | 50.1 | 258.8 | 30,500* | 53.1 | 263.0 | 28,300 | 56.0 | 265.6 | 25,700 | | | | | | | 160 |
| 165 | 42.7 | 243.3 | 24,600* | 46.2 | 250.8 | 27,100* | 48.2 | 254.4 | 28,700* | 51.3 | 259.1 | 26,900 | 54.2 | 262.1 | 24,400 | | | | | | | 165 |
| 170 | 40.5 | 237.5 | 23,200* | 44.1 | 245.8 | 25,600* | 46.2 | 249.8 | 27,100* | 49.4 | 254.9 | 25,500 | 52.4 | 258.3 | 23,100 | | | | | | | 170 |
| 175 | 38.2 | 231.4 | 22,000* | 42.0 | 240.4 | 24,200* | 44.2 | 244.7 | 25,600* | 47.5 | 250.4 | 24,300 | 50.6 | 254.3 | 21,900 | | | | | | | 175 |
| 180 | 35.8 | 224.6 | 20,800* | 39.8 | 234.5 | 22,900* | 42.1 | 239.3 | 24,200* | 45.5 | 245.6 | 23,100 | 48.7 | 250.0 | 20,800 | 51.6 | 252.7 | 18,500 | | | | 180 |
| 185 | 33.2 | 217.3 | 19,700* | 37.5 | 228.2 | 21,700* | 39.9 | 233.5 | 22,900* | 43.5 | 240.5 | 22,000 | 46.7 | 245.4 | 19,700 | 49.7 | 248.5 | 17,600 | | | | 185 |
| 190 | 30.5 | 209.1 | 18,700* | 35.1 | 221.3 | 20,500* | 37.6 | 227.2 | 21,700* | 41.3 | 234.9 | 20,900 | 44.7 | 240.5 | 18,700 | 47.8 | 244.1 | 16,600 | | | | 190 |
| 195 | 27.5 | 200.0 | 17,700* | 32.5 | 213.7 | 19,400* | 35.1 | 220.3 | 20,500* | 39.1 | 228.9 | 19,900 | 42.6 | 235.2 | 17,800 | 45.8 | 239.3 | 15,700 | | | | 195 |
| 200 | 24.2 | 189.5 | 16,700* | 29.7 | 205.3 | 18,400* | 32.5 | 212.7 | 19,500* | 36.7 | 222.4 | 18,900 | 40.5 | 229.4 | 16,900 | 43.8 | 234.2 | 14,900 | 46.8 | 237.1 | 13,000 | 200 |
| 205 | 20.4 | 177.0 | 15,700* | 26.6 | 195.8 | 17,400* | 29.7 | 204.3 | 18,400* | 34.3 | 215.3 | 18,000 | 38.2 | 223.3 | 16,000 | 41.7 | 228.8 | 14,100 | 44.8 | 232.2 | 12,200 | 205 |
| 210 | 15.6 | 161.3 | 14,700* | 23.1 | 184.8 | 16,500* | 26.6 | 194.8 | 17,500* | 31.6 | 207.5 | 17,100 | 35.8 | 216.5 | 15,200 | 39.5 | 222.8 | 13,300 | 42.7 | 226.9 | 11,500 | 210 |
| 215 | 8.6 | 137.2 | 13,000* | 19.1 | 171.6 | 15,500* | 23.2 | 183.9 | 16,500* | 28.7 | 198.7 | 16,300 | 33.2 | 209.2 | 14,400 | 37.1 | 216.4 | 12,600 | 40.5 | 221.2 | 10,800 | 215 |
| 220 | | | | 14.0 | 154.4 | 14,500* | 19.2 | 170.7 | 15,500* | 25.5 | 188.8 | 15,500 | 30.5 | 201.0 | 13,700 | 34.7 | 209.4 | 11,900 | 38.2 | 215.0 | 10,200 | 220 |
| 225 | | | | 4.8 | 122.9 | 13,000* | 14.0 | 153.6 | 14,600* | 21.9 | 177.2 | 14,700 | 27.5 | 191.8 | 13,000 | 32.0 | 201.7 | 11,200 | 35.9 | 208.3 | 9,500 | 225 |
| 230 | | | | | | | 5.1 | 122.6 | 13,500* | 17.6 | 163.0 | 14,000 | 24.2 | 181.3 | 12,300 | 29.2 | 193.1 | 10,600 | 33.3 | 200.9 | 8,900 | 230 |
| 235 | | | | | | | | | | 11.8 | 143.4 | 13,300 | 20.3 | 168.9 | 11,600 | 26.1 | 183.4 | 10,000 | 30.6 | 192.8 | 8,400 | 235 |
| 240 | | | | | | | | | | | | | 15.6 | 153.1 | 11,000 | 22.5 | 172.1 | 9,400 | 27.6 | 183.7 | 7,800 | 240 |
| 245 | | | | | | | | | | | | | 8.5 | 129.0 | 10,300 | 18.3 | 158.5 | 8,800 | 24.3 | 173.2 | 7,300 | 245 |
| 250 | | | | | | | | | | | | | | | | 12.9 | 140.1 | 8,200 | 20.4 | 160.8 | 6,800 | 250 |
| 255 | | | | | | | | | | | | | | | | | | | 15.7 | 145.2 | 6,200 | 255 |
| 260 | | | | | | | | | | | | | | | | | | | 8.8 | 121.4 | 5,700 | 260 |

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

DESIGNED AND TESTED
WITH THE INTENT TO BE
THE SCOPE OF ANSI B30.5

M-250 SERIES 2

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING**

105 FT. BOOM, 70 FT. JIB

| JIB OPER. RAD. FEET | 88 DEGREE BOOM ANGLE | | | 83 DEGREE BOOM ANGLE | | | 80 DEGREE BOOM ANGLE | | | 75 DEGREE BOOM ANGLE | | | 70 DEGREE BOOM ANGLE | | | 65 DEGREE BOOM ANGLE | | | 60 DEGREE BOOM ANGLE | | | JIB OPER. RAD. FEET |
|------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|------------------------------|
| | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | |
| 45 | 67.8 | 183.0 | 131,600*b | | | | | | | | | | | | | | | | | | | 45 |
| 50 | 63.3 | 180.6 | 123,200*b | | | | | | | | | | | | | | | | | | | 50 |
| 55 | 58.6 | 177.7 | 115,800*b | 67.3 | 181.4 | 128,300*b | | | | | | | | | | | | | | | | 55 |
| 60 | 53.6 | 174.2 | 109,300* | 62.8 | 179.0 | 120,100*b | 67.8 | 180.5 | 128,100*b | | | | | | | | | | | | | 60 |
| 65 | 48.2 | 170.0 | 103,500* | 58.0 | 176.0 | 113,000*b | 63.3 | 178.1 | 119,900*b | | | | | | | | | | | | | 65 |
| 70 | 42.3 | 164.9 | 97,600* | 53.0 | 172.4 | 106,700* | 58.6 | 175.2 | 112,700*b | | | | | | | | | | | | | 70 |
| 75 | 35.7 | 158.5 | 88,100* | 47.6 | 168.1 | 101,200* | 53.6 | 171.7 | 106,400* | 62.5 | 175.0 | 105,500b | | | | | | | | | | 75 |
| 80 | 27.6 | 150.0 | 80,100* | 41.6 | 162.9 | 96,300* | 48.2 | 167.5 | 100,700* | 57.7 | 172.0 | 97,300b | | | | | | | | | | 80 |
| 85 | 16.1 | 136.8 | 73,300* | 34.8 | 156.3 | 87,100* | 42.4 | 162.3 | 94,000 | 52.7 | 168.4 | 90,200 | | | | | | | | | | 85 |
| 90 | | | | 26.6 | 147.5 | 79,300* | 35.7 | 155.9 | 87,500 | 47.3 | 164.0 | 84,000 | 56.6 | 167.8 | 80,500b | | | | | | | 90 |
| 95 | | | | 14.2 | 133.2 | 72,600* | 27.7 | 147.5 | 80,200* | 41.3 | 158.7 | 78,500 | 51.5 | 164.0 | 75,300 | | | | | | | 95 |
| 100 | | | | | | | 16.2 | 134.3 | 73,400* | 34.5 | 152.0 | 73,600 | 46.0 | 159.5 | 70,600 | | | | | | | 100 |
| 105 | | | | | | | | | | 26.1 | 143.1 | 69,200 | 39.9 | 153.9 | 66,400 | 50.0 | 158.6 | 63,600 | | | | 105 |
| 110 | | | | | | | | | | 13.2 | 128.2 | 65,200 | 32.8 | 146.8 | 62,600 | 44.3 | 153.7 | 60,000 | | | | 110 |
| 115 | | | | | | | | | | | | | 23.8 | 137.1 | 59,200 | 37.9 | 147.8 | 56,700 | 47.9 | 152.0 | 54,300 | 115 |
| 120 | | | | | | | | | | | | | 7.5 | 117.9 | 55,900 | 30.4 | 140.1 | 53,700 | 42.0 | 146.8 | 51,500 | 120 |
| 125 | | | | | | | | | | | | | | | | 20.5 | 129.1 | 51,000 | 35.3 | 140.3 | 48,800 | 125 |
| 130 | | | | | | | | | | | | | | | | | | | 27.2 | 131.7 | 46,400 | 130 |
| 135 | | | | | | | | | | | | | | | | | | | 15.3 | 118.1 | 44,100 | 135 |

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

DESIGNED AND TESTED
WITH THE INTENT TO BE
THE SCOPE OF ANSI B30.5

M-250 SERIES 2

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING**

105 FT. BOOM, 80 FT. JIB

| JIB OPER. RAD. FEET | 88 DEGREE BOOM ANGLE | | | 83 DEGREE BOOM ANGLE | | | 80 DEGREE BOOM ANGLE | | | 75 DEGREE BOOM ANGLE | | | 70 DEGREE BOOM ANGLE | | | 65 DEGREE BOOM ANGLE | | | 60 DEGREE BOOM ANGLE | | | JIB OPER. RAD. FEET |
|------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|------------------------------|
| | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | |
| 45 | 70.7 | 193.8 | 128,100*b | | | | | | | | | | | | | | | | | | 45 | |
| 50 | 66.9 | 191.8 | 119,900*b | | | | | | | | | | | | | | | | | | | 50 |
| 55 | 62.9 | 189.3 | 112,700*b | 70.3 | 192.2 | 124,900*b | | | | | | | | | | | | | | | | 55 |
| 60 | 58.7 | 186.4 | 106,300* | 66.4 | 190.1 | 117,000*b | | | | | | | | | | | | | | | | 60 |
| 65 | 54.4 | 183.0 | 100,600* | 62.4 | 187.6 | 110,000*b | 66.9 | 189.2 | 116,700*b | | | | | | | | | | | | | 65 |
| 70 | 49.8 | 179.0 | 95,600* | 58.3 | 184.7 | 103,900* | 62.9 | 186.7 | 109,800*b | | | | | | | | | | | | | 70 |
| 75 | 44.9 | 174.2 | 88,400* | 53.9 | 181.2 | 98,400* | 58.8 | 183.8 | 103,600* | | | | | | | | | | | | | 75 |
| 80 | 39.4 | 168.5 | 80,400* | 49.3 | 177.1 | 93,400* | 54.4 | 180.4 | 97,900* | 62.2 | 183.6 | 96,700b | | | | | | | | | | 80 |
| 85 | 33.2 | 161.5 | 73,600* | 44.3 | 172.2 | 87,500* | 49.8 | 176.4 | 93,100* | 58.0 | 180.6 | 89,700 | | | | | | | | | | 85 |
| 90 | 25.8 | 152.3 | 67,700* | 38.8 | 166.4 | 79,600* | 44.9 | 171.7 | 87,100 | 53.7 | 177.1 | 83,500 | | | | | | | | | | 90 |
| 95 | 15.0 | 138.1 | 62,600* | 32.5 | 159.2 | 72,900* | 39.4 | 166.0 | 80,500* | 49.0 | 173.0 | 78,000 | 57.1 | 176.5 | 74,700 | | | | | | | 95 |
| 100 | | | | 24.8 | 149.7 | 67,100* | 33.3 | 158.9 | 73,700* | 44.0 | 168.1 | 73,200 | 52.6 | 172.8 | 70,100 | | | | | | | 100 |
| 105 | | | | 13.2 | 134.3 | 62,000* | 25.8 | 149.8 | 67,800* | 38.5 | 162.2 | 68,900 | 47.9 | 168.5 | 65,900 | | | | | | | 105 |
| 110 | | | | | | | 15.0 | 135.6 | 62,600* | 32.1 | 154.9 | 64,900 | 42.8 | 163.4 | 62,200 | 51.3 | 167.4 | 59,400 | | | | 110 |
| 115 | | | | | | | | | | 24.3 | 145.2 | 61,300 | 37.1 | 157.3 | 58,800 | 46.5 | 162.9 | 56,200 | | | | 115 |
| 120 | | | | | | | | | | 12.3 | 129.2 | 58,000 | 30.5 | 149.5 | 55,700 | 41.2 | 157.6 | 53,200 | | | | 120 |
| 125 | | | | | | | | | | | | | 22.2 | 139.0 | 52,800 | 35.3 | 151.0 | 50,500 | 44.6 | 156.1 | 48,300 | 125 |
| 130 | | | | | | | | | | | | | 7.0 | 118.5 | 50,000 | 28.4 | 142.7 | 48,000 | 39.1 | 150.4 | 45,900 | 130 |
| 135 | | | | | | | | | | | | | | | | 19.1 | 130.8 | 45,600 | 32.9 | 143.2 | 43,700 | 135 |
| 140 | | | | | | | | | | | | | | | | | | | 25.3 | 133.9 | 41,600 | 140 |
| 145 | | | | | | | | | | | | | | | | | | | 14.2 | 119.3 | 39,600 | 145 |

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

DESIGNED AND TESTED
WITH THE INTENT TO BE
THE SCOPE OF ANSI B30.5

M-250 SERIES 2

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING**

105 FT. BOOM, 90 FT. JIB

| JIB OPER. RAD. FEET | 88 DEGREE BOOM ANGLE | | | 83 DEGREE BOOM ANGLE | | | 80 DEGREE BOOM ANGLE | | | 75 DEGREE BOOM ANGLE | | | 70 DEGREE BOOM ANGLE | | | 65 DEGREE BOOM ANGLE | | | 60 DEGREE BOOM ANGLE | | | JIB OPER. RAD. FEET |
|------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|------------------------------|
| | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | |
| 45 | 73.0 | 204.4 | 124,800*b | | | | | | | | | | | | | | | | | | 45 | |
| 50 | 69.6 | 202.6 | 116,900*b | | | | | | | | | | | | | | | | | | 50 | |
| 55 | 66.1 | 200.5 | 109,900*b | | | | | | | | | | | | | | | | | | 55 | |
| 60 | 62.6 | 198.0 | 103,700* | 69.2 | 201.0 | 114,200*b | | | | | | | | | | | | | | | 60 | |
| 65 | 58.9 | 195.1 | 98,200* | 65.7 | 198.8 | 107,400*b | | | | | | | | | | | | | | | 65 | |
| 70 | 55.0 | 191.7 | 93,200* | 62.2 | 196.3 | 101,300* | 66.1 | 197.9 | 107,100*b | | | | | | | | | | | | 70 | |
| 75 | 51.0 | 187.8 | 88,700* | 58.5 | 193.4 | 96,100* | 62.6 | 195.4 | 101,100* | | | | | | | | | | | | 75 | |
| 80 | 46.7 | 183.3 | 80,600* | 54.6 | 189.9 | 91,200* | 58.9 | 192.5 | 95,800* | | | | | | | | | | | | 80 | |
| 85 | 42.1 | 178.1 | 73,700* | 50.5 | 186.0 | 86,900* | 55.1 | 189.2 | 90,800* | 62.0 | 192.3 | 89,200 | | | | | | | | | 85 | |
| 90 | 37.0 | 171.9 | 67,800* | 46.2 | 181.4 | 79,800* | 51.0 | 185.3 | 86,600* | 58.3 | 189.3 | 83,100 | | | | | | | | | 90 | |
| 95 | 31.2 | 164.3 | 62,700* | 41.6 | 176.1 | 73,100* | 46.8 | 180.8 | 80,700* | 54.4 | 185.9 | 77,700 | | | | | | | | | 95 | |
| 100 | 24.2 | 154.4 | 58,200* | 36.4 | 169.7 | 67,300* | 42.1 | 175.6 | 73,800* | 50.3 | 181.9 | 72,800 | 57.4 | 185.1 | 69,600 | | | | | | 100 | |
| 105 | 14.1 | 139.3 | 54,200* | 30.5 | 161.9 | 62,200* | 37.1 | 169.3 | 67,900* | 46.0 | 177.3 | 68,500 | 53.5 | 181.6 | 65,500 | | | | | | 105 | |
| 110 | | | | 23.3 | 151.7 | 57,700* | 31.3 | 161.7 | 62,800* | 41.3 | 171.9 | 64,600 | 49.4 | 177.5 | 61,800 | | | | | | 110 | |
| 115 | | | | 12.4 | 135.4 | 53,800* | 24.2 | 151.9 | 58,300* | 36.1 | 165.5 | 61,100 | 45.0 | 172.7 | 58,400 | 52.3 | 176.3 | 55,800 | | | 115 | |
| 120 | | | | | | | 14.1 | 136.8 | 54,200* | 30.2 | 157.6 | 57,900 | 40.2 | 167.1 | 55,300 | 48.1 | 172.0 | 52,800 | | | 120 | |
| 125 | | | | | | | | | | 22.8 | 147.2 | 54,900 | 34.9 | 160.4 | 52,500 | 43.6 | 167.0 | 50,100 | | | 125 | |
| 130 | | | | | | | | | | 11.5 | 130.2 | 52,100 | 28.7 | 152.1 | 49,900 | 38.7 | 161.1 | 47,700 | 46.5 | 165.3 | 45,500 | 130 |
| 135 | | | | | | | | | | | | | 20.9 | 140.8 | 47,500 | 33.2 | 154.0 | 45,400 | 41.9 | 160.0 | 43,300 | 135 |
| 140 | | | | | | | | | | | | | 6.5 | 119.0 | 45,200 | 26.7 | 145.0 | 43,300 | 36.8 | 153.7 | 41,300 | 140 |
| 145 | | | | | | | | | | | | | | | | 18.0 | 132.3 | 41,200 | 30.9 | 146.0 | 39,400 | 145 |
| 150 | | | | | | | | | | | | | | | | | | | 23.8 | 136.0 | 37,600 | 150 |
| 155 | | | | | | | | | | | | | | | | | | | 13.4 | 120.4 | 35,900 | 155 |

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M-250 SERIES 2

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING**

105 FT. BOOM, 100 FT. JIB

| JIB OPER. RAD. FEET | 88 DEGREE BOOM ANGLE | | | 83 DEGREE BOOM ANGLE | | | 80 DEGREE BOOM ANGLE | | | 75 DEGREE BOOM ANGLE | | | 70 DEGREE BOOM ANGLE | | | 65 DEGREE BOOM ANGLE | | | 60 DEGREE BOOM ANGLE | | | JIB OPER. RAD. FEET |
|------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|------------------------------|
| | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | |
| 45 | 74.7 | 214.8 | 121,200*b | | | | | | | | | | | | | | | | | | | 45 |
| 50 | 71.7 | 213.2 | 113,600*b | | | | | | | | | | | | | | | | | | | 50 |
| 55 | 68.6 | 211.4 | 106,900*b | | | | | | | | | | | | | | | | | | | 55 |
| 60 | 65.5 | 209.2 | 101,000* | | | | | | | | | | | | | | | | | | | 60 |
| 65 | 62.3 | 206.6 | 95,600* | 68.3 | 209.8 | 104,600*b | | | | | | | | | | | | | | | | 65 |
| 70 | 59.0 | 203.7 | 90,700* | 65.2 | 207.5 | 98,800* | | | | | | | | | | | | | | | | 70 |
| 75 | 55.6 | 200.4 | 86,400* | 61.9 | 205.0 | 93,500* | 65.5 | 206.6 | 98,400* | | | | | | | | | | | | | 75 |
| 80 | 52.0 | 196.7 | 80,500* | 58.6 | 202.0 | 88,800* | 62.3 | 204.1 | 93,300* | | | | | | | | | | | | | 80 |
| 85 | 48.2 | 192.4 | 73,600* | 55.2 | 198.7 | 84,500* | 59.0 | 201.2 | 88,600* | | | | | | | | | | | | | 85 |
| 90 | 44.2 | 187.5 | 67,600* | 51.6 | 194.8 | 79,700* | 55.6 | 197.9 | 84,300* | 61.8 | 200.9 | 82,500 | | | | | | | | | | 90 |
| 95 | 39.8 | 181.8 | 62,500* | 47.8 | 190.5 | 72,900* | 52.0 | 194.1 | 80,400* | 58.4 | 198.0 | 77,100 | | | | | | | | | | 95 |
| 100 | 35.0 | 175.0 | 58,000* | 43.7 | 185.5 | 67,100* | 48.2 | 189.8 | 73,700* | 55.0 | 194.6 | 72,300 | | | | | | | | | | 100 |
| 105 | 29.6 | 166.9 | 54,000* | 39.3 | 179.7 | 62,000* | 44.2 | 184.9 | 67,700* | 51.4 | 190.8 | 68,000 | 57.7 | 193.8 | 64,900 | | | | | | | 105 |
| 110 | 22.9 | 156.4 | 50,400* | 34.5 | 172.8 | 57,500* | 39.9 | 179.2 | 62,600* | 47.6 | 186.4 | 64,100 | 54.2 | 190.3 | 61,200 | | | | | | | 110 |
| 115 | 13.3 | 140.4 | 47,200* | 28.9 | 164.5 | 53,600* | 35.1 | 172.5 | 58,100* | 43.5 | 181.3 | 60,600 | 50.5 | 186.4 | 57,800 | | | | | | | 115 |
| 120 | | | | 22.0 | 153.6 | 50,100* | 29.6 | 164.4 | 54,100* | 39.1 | 175.5 | 57,400 | 46.7 | 181.9 | 54,800 | | | | | | | 120 |
| 125 | | | | 11.7 | 136.3 | 46,900* | 22.9 | 153.9 | 50,500* | 34.2 | 168.6 | 54,500 | 42.5 | 176.7 | 52,000 | 49.4 | 180.9 | 49,500 | | | | 125 |
| 130 | | | | | | | 13.3 | 137.9 | 47,200* | 28.6 | 160.1 | 51,800 | 38.0 | 170.6 | 49,400 | 45.5 | 176.2 | 47,100 | | | | 130 |
| 135 | | | | | | | | | | 21.6 | 149.1 | 49,300 | 33.0 | 163.4 | 47,100 | 41.3 | 170.8 | 44,800 | 48.0 | 174.3 | 42,700 | 135 |
| 140 | | | | | | | | | | 10.9 | 131.1 | 46,800* | 27.2 | 154.5 | 44,900 | 36.6 | 164.4 | 42,700 | 44.0 | 169.4 | 40,700 | 140 |
| 145 | | | | | | | | | | | | | 19.7 | 142.6 | 42,800 | 31.4 | 156.8 | 40,800 | 39.6 | 163.6 | 38,800 | 145 |
| 150 | | | | | | | | | | | | | 6.1 | 119.4 | 40,800 | 25.2 | 147.2 | 39,000 | 34.8 | 156.8 | 37,100 | 150 |
| 155 | | | | | | | | | | | | | | | | 17.0 | 133.8 | 37,200 | 29.3 | 148.6 | 35,500 | 155 |
| 160 | | | | | | | | | | | | | | | | | | | 22.5 | 138.0 | 33,900 | 160 |
| 165 | | | | | | | | | | | | | | | | | | | 12.6 | 121.5 | 32,400 | 165 |

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

DESIGNED AND TESTED
WITH THE INTENT TO BE
THE SCOPE OF ANSI B30.5

M-250 SERIES 2

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING**

105 FT. BOOM, 110 FT. JIB

| JIB OPER. RAD. FEET | 88 DEGREE BOOM ANGLE | | | 83 DEGREE BOOM ANGLE | | | 80 DEGREE BOOM ANGLE | | | 75 DEGREE BOOM ANGLE | | | 70 DEGREE BOOM ANGLE | | | 65 DEGREE BOOM ANGLE | | | 60 DEGREE BOOM ANGLE | | | JIB OPER. RAD. FEET |
|------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|------------------------------|
| | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | |
| 50 | 73.4 | 223.8 | 110,100* | | | | | | | | | | | | | | | | | | | 50 |
| 55 | 70.7 | 222.1 | 103,800* | | | | | | | | | | | | | | | | | | | 55 |
| 60 | 67.9 | 220.1 | 98,200* | | | | | | | | | | | | | | | | | | | 60 |
| 65 | 65.0 | 217.9 | 93,000* | 70.4 | 220.5 | 101,600* | | | | | | | | | | | | | | | | 65 |
| 70 | 62.1 | 215.3 | 88,400* | 67.6 | 218.5 | 96,100* | | | | | | | | | | | | | | | | 70 |
| 75 | 59.1 | 212.4 | 84,200* | 64.7 | 216.2 | 91,100* | 67.9 | 217.5 | 95,800* | | | | | | | | | | | | | 75 |
| 80 | 56.0 | 209.1 | 80,300* | 61.8 | 213.6 | 86,600* | 65.0 | 215.3 | 90,800* | | | | | | | | | | | | | 80 |
| 85 | 52.7 | 205.5 | 75,700* | 58.7 | 210.7 | 82,500* | 62.1 | 212.7 | 86,300* | | | | | | | | | | | | | 85 |
| 90 | 49.4 | 201.3 | 69,500* | 55.6 | 207.4 | 78,700* | 59.1 | 209.8 | 82,200* | | | | | | | | | | | | | 90 |
| 95 | 45.8 | 196.6 | 64,200* | 52.4 | 203.7 | 75,000* | 56.0 | 206.6 | 78,500* | 61.6 | 209.6 | 76,600 | | | | | | | | | | 95 |
| 100 | 42.0 | 191.3 | 59,500* | 49.0 | 199.5 | 68,900* | 52.8 | 202.9 | 75,100* | 58.6 | 206.7 | 71,800 | | | | | | | | | | 100 |
| 105 | 37.9 | 185.2 | 55,400* | 45.4 | 194.7 | 63,700* | 49.4 | 198.8 | 69,600* | 55.5 | 203.3 | 67,500 | | | | | | | | | | 105 |
| 110 | 33.3 | 178.1 | 51,700* | 41.5 | 189.3 | 59,100* | 45.8 | 194.1 | 64,300* | 52.2 | 199.6 | 63,600 | 57.9 | 202.5 | 60,700 | | | | | | | 110 |
| 115 | 28.1 | 169.4 | 48,400* | 37.4 | 183.1 | 55,000* | 42.0 | 188.8 | 59,600* | 48.8 | 195.4 | 60,200 | 54.7 | 199.1 | 57,300 | | | | | | | 115 |
| 120 | 21.8 | 158.3 | 45,500* | 32.8 | 175.8 | 51,400* | 37.9 | 182.7 | 55,500* | 45.2 | 190.6 | 57,000 | 51.4 | 195.2 | 54,300 | | | | | | | 120 |
| 125 | 12.6 | 141.5 | 42,500* | 27.5 | 166.9 | 48,100* | 33.3 | 175.5 | 51,800* | 41.3 | 185.1 | 54,100 | 48.0 | 190.9 | 51,500 | | | | | | | 125 |
| 130 | | | | 21.0 | 155.5 | 45,200* | 28.2 | 166.9 | 48,500* | 37.2 | 178.9 | 51,400 | 44.3 | 186.0 | 49,000 | 50.5 | 189.8 | 46,600 | | | | 130 |
| 135 | | | | 11.1 | 137.3 | 42,500* | 21.8 | 155.8 | 45,500* | 32.5 | 171.5 | 48,900 | 40.4 | 180.4 | 46,600 | 47.0 | 185.3 | 44,300 | | | | 135 |
| 140 | | | | | | | 12.7 | 139.0 | 42,800* | 27.2 | 162.5 | 46,700 | 36.2 | 173.9 | 44,400 | 43.2 | 180.2 | 42,300 | | | | 140 |
| 145 | | | | | | | | | | 20.6 | 150.9 | 44,500 | 31.4 | 166.2 | 42,400 | 39.2 | 174.4 | 40,300 | 45.6 | 178.6 | 38,300 | 145 |
| 150 | | | | | | | | | | 10.3 | 131.9 | 42,400* | 25.8 | 156.8 | 40,500 | 34.8 | 167.6 | 38,500 | 41.8 | 173.2 | 36,600 | 150 |
| 155 | | | | | | | | | | | | | 18.8 | 144.2 | 38,700 | 29.9 | 159.5 | 36,900 | 37.7 | 167.1 | 35,000 | 155 |
| 160 | | | | | | | | | | | | | 5.8 | 119.9 | 37,000 | 24.0 | 149.4 | 35,300 | 33.1 | 159.8 | 33,500 | 160 |
| 165 | | | | | | | | | | | | | | | | 16.2 | 135.2 | 33,800 | 27.8 | 151.1 | 32,100 | 165 |
| 170 | | | | | | | | | | | | | | | | | | | 21.4 | 139.9 | 30,800 | 170 |
| 175 | | | | | | | | | | | | | | | | | | | 12.0 | 122.5 | 29,400 | 175 |

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

DESIGNED AND TESTED
WITH THE INTENT TO BE
THE SCOPE OF ANSI B30.5

M-250 SERIES 2

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING**

105 FT. BOOM, 120 FT. JIB

| JIB OPER. RAD. FEET | 88 DEGREE BOOM ANGLE | | | 83 DEGREE BOOM ANGLE | | | 80 DEGREE BOOM ANGLE | | | 75 DEGREE BOOM ANGLE | | | 70 DEGREE BOOM ANGLE | | | 65 DEGREE BOOM ANGLE | | | 60 DEGREE BOOM ANGLE | | | JIB OPER. RAD. FEET |
|---------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|---------------------|
| | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | |
| 50 | 74.8 | 234.2 | 106,900* | | | | | | | | | | | | | | | | | | | 50 |
| 55 | 72.3 | 232.6 | 100,900* | | | | | | | | | | | | | | | | | | | 55 |
| 60 | 69.8 | 230.9 | 95,500* | | | | | | | | | | | | | | | | | | | 60 |
| 65 | 67.2 | 228.8 | 90,600* | | | | | | | | | | | | | | | | | | | 65 |
| 70 | 64.6 | 226.5 | 86,100* | 69.5 | 229.3 | 93,500* | | | | | | | | | | | | | | | | 70 |
| 75 | 61.9 | 224.0 | 82,000* | 66.9 | 227.2 | 88,700* | | | | | | | | | | | | | | | | 75 |
| 80 | 59.2 | 221.1 | 78,300* | 64.3 | 224.9 | 84,400* | 67.2 | 226.3 | 88,400* | | | | | | | | | | | | | 80 |
| 85 | 56.3 | 217.8 | 74,800* | 61.6 | 222.3 | 80,400* | 64.6 | 224.0 | 84,100* | | | | | | | | | | | | | 85 |
| 90 | 53.4 | 214.2 | 69,100* | 58.8 | 219.4 | 76,700* | 61.9 | 221.4 | 80,100* | | | | | | | | | | | | | 90 |
| 95 | 50.3 | 210.2 | 63,800* | 56.0 | 216.1 | 73,400* | 59.2 | 218.5 | 76,400* | | | | | | | | | | | | | 95 |
| 100 | 47.1 | 205.7 | 59,100* | 53.0 | 212.4 | 68,500* | 56.3 | 215.3 | 73,200* | 61.5 | 218.3 | 71,300 | | | | | | | | | | 100 |
| 105 | 43.7 | 200.7 | 55,000* | 50.0 | 208.4 | 63,300* | 53.4 | 211.7 | 69,200* | 58.7 | 215.3 | 67,000 | | | | | | | | | | 105 |
| 110 | 40.1 | 195.0 | 51,300* | 46.7 | 203.8 | 58,700* | 50.3 | 207.7 | 63,900* | 55.8 | 212.0 | 63,100 | | | | | | | | | | 110 |
| 115 | 36.2 | 188.5 | 48,000* | 43.3 | 198.7 | 54,600* | 47.1 | 203.2 | 59,200* | 52.9 | 208.4 | 59,600 | | | | | | | | | | 115 |
| 120 | 31.8 | 180.9 | 45,100* | 39.7 | 192.9 | 51,000* | 43.7 | 198.1 | 55,100* | 49.8 | 204.3 | 56,500 | 55.2 | 207.8 | 53,700 | | | | | | | 120 |
| 125 | 26.9 | 171.8 | 42,400* | 35.7 | 186.3 | 47,700* | 40.1 | 192.5 | 51,400* | 46.6 | 199.7 | 53,600 | 52.2 | 204.0 | 51,000 | | | | | | | 125 |
| 130 | 20.8 | 160.2 | 39,900* | 31.3 | 178.6 | 44,800* | 36.2 | 186.0 | 48,100* | 43.1 | 194.6 | 50,900 | 49.1 | 199.8 | 48,400 | | | | | | | 130 |
| 135 | 12.1 | 142.5 | 37,400* | 26.3 | 169.3 | 42,100* | 31.9 | 178.4 | 45,100* | 39.5 | 188.8 | 48,500 | 45.8 | 195.2 | 46,100 | 51.3 | 198.7 | 43,800 | | | | 135 |
| 140 | | | | 20.0 | 157.2 | 39,700* | 26.9 | 169.3 | 42,400* | 35.5 | 182.1 | 46,200 | 42.3 | 189.9 | 43,900 | 48.2 | 194.3 | 41,700 | | | | 140 |
| 145 | | | | 10.6 | 138.2 | 37,400* | 20.9 | 157.6 | 40,000* | 31.1 | 174.3 | 44,100 | 38.6 | 183.9 | 41,900 | 44.8 | 189.5 | 39,800 | | | | 145 |
| 150 | | | | | | | 12.1 | 140.0 | 37,700* | 26.0 | 164.8 | 42,000* | 34.6 | 177.0 | 40,100 | 41.3 | 184.0 | 38,000 | 46.9 | 187.7 | 36,000 | 150 |
| 155 | | | | | | | | | | 19.6 | 152.6 | 39,600* | 30.0 | 168.9 | 38,300 | 37.5 | 177.8 | 36,400 | 43.5 | 182.6 | 34,400 | 155 |
| 160 | | | | | | | | | | 9.9 | 132.7 | 37,300* | 24.7 | 159.0 | 36,700 | 33.3 | 170.6 | 34,800 | 39.9 | 176.9 | 33,000 | 160 |
| 165 | | | | | | | | | | | | | 17.9 | 145.7 | 35,100 | 28.6 | 162.0 | 33,300 | 36.0 | 170.3 | 31,600 | 165 |
| 170 | | | | | | | | | | | | | 5.5 | 120.3 | 33,600 | 22.9 | 151.4 | 32,000 | 31.6 | 162.7 | 30,300 | 170 |
| 175 | | | | | | | | | | | | | | | | 15.4 | 136.5 | 30,600 | 26.6 | 153.5 | 29,000 | 175 |
| 180 | | | | | | | | | | | | | | | | | | | 20.5 | 141.6 | 27,800 | 180 |
| 185 | | | | | | | | | | | | | | | | | | | 11.5 | 123.4 | 26,700 | 185 |

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

DESIGNED AND TESTED
WITH THE INTENT TO BE
THE SCOPE OF ANSI B30.5

M-250 SERIES 2

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING**

105 FT. BOOM, 130 FT. JIB

| JIB OPER. RAD. FEET | 88 DEGREE BOOM ANGLE | | | 83 DEGREE BOOM ANGLE | | | 80 DEGREE BOOM ANGLE | | | 75 DEGREE BOOM ANGLE | | | 70 DEGREE BOOM ANGLE | | | 65 DEGREE BOOM ANGLE | | | 60 DEGREE BOOM ANGLE | | | JIB OPER. RAD. FEET |
|---------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|---------------------|
| | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | |
| 50 | 76.0 | 244.5 | 103,900* | | | | | | | | | | | | | | | | | | | 50 |
| 55 | 73.8 | 243.1 | 98,200* | | | | | | | | | | | | | | | | | | | 55 |
| 60 | 71.4 | 241.5 | 93,000* | | | | | | | | | | | | | | | | | | | 60 |
| 65 | 69.1 | 239.7 | 88,300* | | | | | | | | | | | | | | | | | | | 65 |
| 70 | 66.7 | 237.6 | 84,000* | | | | | | | | | | | | | | | | | | | 70 |
| 75 | 64.3 | 235.2 | 80,100* | 68.8 | 238.1 | 86,600* | | | | | | | | | | | | | | | | 75 |
| 80 | 61.8 | 232.6 | 76,500* | 66.4 | 236.0 | 82,400* | | | | | | | | | | | | | | | | 80 |
| 85 | 59.2 | 229.7 | 73,100* | 64.0 | 233.6 | 78,600* | 66.7 | 235.0 | 82,100* | | | | | | | | | | | | | 85 |
| 90 | 56.6 | 226.5 | 69,100* | 61.5 | 230.9 | 75,100* | 64.3 | 232.7 | 78,300* | | | | | | | | | | | | | 90 |
| 95 | 53.9 | 223.0 | 63,700* | 58.9 | 228.0 | 71,800* | 61.8 | 230.1 | 74,800* | | | | | | | | | | | | | 95 |
| 100 | 51.1 | 219.1 | 59,000* | 56.3 | 224.8 | 68,400* | 59.2 | 227.2 | 71,500* | | | | | | | | | | | | | 100 |
| 105 | 48.2 | 214.7 | 54,900* | 53.6 | 221.2 | 63,200* | 56.6 | 224.0 | 68,600* | 61.4 | 226.9 | 66,700 | | | | | | | | | | 105 |
| 110 | 45.1 | 209.9 | 51,200* | 50.8 | 217.2 | 58,600* | 53.9 | 220.4 | 63,800* | 58.8 | 224.0 | 62,900 | | | | | | | | | | 110 |
| 115 | 41.9 | 204.6 | 47,900* | 47.9 | 212.9 | 54,500* | 51.1 | 216.5 | 59,100* | 56.2 | 220.7 | 59,400 | | | | | | | | | | 115 |
| 120 | 38.4 | 198.5 | 44,900* | 44.8 | 208.0 | 50,800* | 48.2 | 212.2 | 54,900* | 53.5 | 217.1 | 56,300 | | | | | | | | | | 120 |
| 125 | 34.7 | 191.6 | 42,200* | 41.5 | 202.5 | 47,600* | 45.2 | 207.4 | 51,300* | 50.6 | 213.1 | 53,400 | 55.6 | 216.5 | 50,700 | | | | | | | 125 |
| 130 | 30.5 | 183.6 | 39,800* | 38.0 | 196.4 | 44,600* | 41.9 | 202.0 | 48,000* | 47.7 | 208.7 | 50,700 | 52.8 | 212.8 | 48,200 | | | | | | | 130 |
| 135 | 25.8 | 174.1 | 37,500* | 34.2 | 189.4 | 42,000* | 38.5 | 196.0 | 45,000* | 44.6 | 203.8 | 48,300 | 50.0 | 208.8 | 45,900 | | | | | | | 135 |
| 140 | 20.0 | 161.9 | 35,500* | 30.0 | 181.3 | 39,500* | 34.7 | 189.1 | 42,300* | 41.3 | 198.4 | 46,100 | 47.0 | 204.2 | 43,700 | 52.0 | 207.5 | 41,500 | | | | 140 |
| 145 | 11.6 | 143.5 | 33,300* | 25.2 | 171.5 | 37,300* | 30.6 | 181.1 | 39,800* | 37.8 | 192.2 | 44,000 | 43.9 | 199.2 | 41,800 | 49.1 | 203.3 | 39,600 | | | | 145 |
| 150 | | | | 19.2 | 158.9 | 35,300* | 25.8 | 171.6 | 37,600* | 34.0 | 185.2 | 41,900* | 40.6 | 193.6 | 39,900 | 46.1 | 198.6 | 37,800 | | | | 150 |
| 155 | | | | 10.2 | 139.0 | 33,400* | 20.0 | 159.4 | 35,500* | 29.8 | 177.0 | 39,500* | 37.0 | 187.3 | 38,200 | 43.0 | 193.4 | 36,200 | | | | 155 |
| 160 | | | | | | | 11.6 | 141.0 | 33,600* | 24.9 | 167.0 | 37,200* | 33.1 | 180.0 | 36,600 | 39.6 | 187.6 | 34,600 | 45.0 | 191.8 | 32,800 | 160 |
| 165 | | | | | | | | | | 18.8 | 154.2 | 35,200* | 28.8 | 171.5 | 35,000 | 35.9 | 181.0 | 33,200 | 41.7 | 186.4 | 31,400 | 165 |
| 170 | | | | | | | | | | 9.5 | 133.5 | 33,300* | 23.7 | 161.1 | 33,600 | 31.9 | 173.5 | 31,800 | 38.3 | 180.4 | 30,100 | 170 |
| 175 | | | | | | | | | | | | | 17.2 | 147.2 | 32,200 | 27.4 | 164.5 | 30,500 | 34.5 | 173.4 | 28,900 | 175 |
| 180 | | | | | | | | | | | | | 5.3 | 120.7 | 30,900 | 22.0 | 153.3 | 29,300 | 30.3 | 165.4 | 27,700 | 180 |
| 185 | | | | | | | | | | | | | | | | 14.8 | 137.8 | 28,100 | 25.5 | 155.7 | 26,600 | 185 |
| 190 | | | | | | | | | | | | | | | | | | | 19.6 | 143.4 | 25,500 | 190 |
| 195 | | | | | | | | | | | | | | | | | | | 11.0 | 124.4 | 24,500 | 195 |

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

DESIGNED AND TESTED
WITH THE INTENT TO BE
THE SCOPE OF ANSI B30.5

M-250 SERIES 2

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING**

105 FT. BOOM, 140 FT. JIB

| JIB OPER. RAD. FEET | 88 DEGREE BOOM ANGLE | | | 83 DEGREE BOOM ANGLE | | | 80 DEGREE BOOM ANGLE | | | 75 DEGREE BOOM ANGLE | | | 70 DEGREE BOOM ANGLE | | | 65 DEGREE BOOM ANGLE | | | 60 DEGREE BOOM ANGLE | | | JIB OPER. RAD. FEET |
|------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|------------------------------|
| | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | |
| 55 | 74.9 | 253.5 | 95,200* | | | | | | | | | | | | | | | | | | | 55 |
| 60 | 72.8 | 252.1 | 90,300* | | | | | | | | | | | | | | | | | | | 60 |
| 65 | 70.6 | 250.4 | 85,800* | | | | | | | | | | | | | | | | | | | 65 |
| 70 | 68.5 | 248.4 | 81,700* | | | | | | | | | | | | | | | | | | | 70 |
| 75 | 66.2 | 246.3 | 78,000* | 70.4 | 248.8 | 84,100* | | | | | | | | | | | | | | | | 75 |
| 80 | 64.0 | 243.9 | 74,500* | 68.2 | 246.8 | 80,100* | | | | | | | | | | | | | | | | 80 |
| 85 | 61.6 | 241.3 | 71,200* | 66.0 | 244.7 | 76,500* | | | | | | | | | | | | | | | | 85 |
| 90 | 59.3 | 238.4 | 68,200* | 63.7 | 242.3 | 73,100* | 66.2 | 243.7 | 76,200* | | | | | | | | | | | | | 90 |
| 95 | 56.9 | 235.2 | 63,300* | 61.4 | 239.6 | 69,900* | 64.0 | 241.4 | 72,800* | | | | | | | | | | | | | 95 |
| 100 | 54.4 | 231.7 | 58,600* | 59.0 | 236.7 | 67,000* | 61.7 | 238.7 | 69,600* | | | | | | | | | | | | | 100 |
| 105 | 51.8 | 227.9 | 54,400* | 56.6 | 233.5 | 62,700* | 59.3 | 235.8 | 66,700* | | | | | | | | | | | | | 105 |
| 110 | 49.1 | 223.7 | 50,700* | 54.1 | 229.9 | 58,100* | 56.9 | 232.7 | 63,300* | 61.3 | 235.6 | 62,400 | | | | | | | | | | 110 |
| 115 | 46.3 | 219.1 | 47,400* | 51.5 | 226.1 | 54,000* | 54.4 | 229.2 | 58,600* | 58.9 | 232.7 | 58,900 | | | | | | | | | | 115 |
| 120 | 43.4 | 213.9 | 44,500* | 48.8 | 221.8 | 50,400* | 51.8 | 225.3 | 54,500* | 56.5 | 229.4 | 55,700 | | | | | | | | | | 120 |
| 125 | 40.3 | 208.2 | 41,800* | 46.0 | 217.1 | 47,100* | 49.1 | 221.1 | 50,800* | 53.9 | 225.9 | 52,900 | | | | | | | | | | 125 |
| 130 | 37.0 | 201.9 | 39,300* | 43.1 | 212.0 | 44,200* | 46.3 | 216.5 | 47,500* | 51.4 | 222.0 | 50,200 | 55.9 | 225.2 | 47,700 | | | | | | | 130 |
| 135 | 33.4 | 194.6 | 37,100* | 39.9 | 206.2 | 41,500* | 43.4 | 211.4 | 44,500* | 48.7 | 217.7 | 47,800 | 53.4 | 221.6 | 45,400 | | | | | | | 135 |
| 140 | 29.4 | 186.3 | 35,000* | 36.6 | 199.7 | 39,100* | 40.3 | 205.7 | 41,800* | 45.8 | 213.0 | 45,600 | 50.8 | 217.6 | 43,200 | | | | | | | 140 |
| 145 | 24.8 | 176.3 | 33,100* | 32.9 | 192.4 | 36,900* | 37.0 | 199.3 | 39,400* | 42.9 | 207.8 | 43,500 | 48.0 | 213.3 | 41,200 | 52.6 | 216.3 | 39,000 | | | | 145 |
| 150 | 19.2 | 163.6 | 31,300* | 28.9 | 183.9 | 34,800* | 33.4 | 192.1 | 37,100* | 39.8 | 202.0 | 41,400* | 45.2 | 208.4 | 39,400 | 50.0 | 212.2 | 37,300 | | | | 150 |
| 155 | 11.1 | 144.4 | 29,600* | 24.2 | 173.6 | 32,900* | 29.4 | 183.7 | 35,100* | 36.4 | 195.5 | 39,000* | 42.2 | 203.1 | 37,700 | 47.2 | 207.7 | 35,600 | | | | 155 |
| 160 | | | | 18.5 | 160.5 | 31,200* | 24.8 | 173.7 | 33,200* | 32.7 | 188.1 | 36,800* | 39.0 | 197.2 | 36,100 | 44.3 | 202.7 | 34,100 | | | | 160 |
| 165 | | | | 9.8 | 139.8 | 29,500* | 19.3 | 161.1 | 31,400* | 28.7 | 179.5 | 34,800* | 35.6 | 190.5 | 34,600 | 41.3 | 197.2 | 32,700 | 46.2 | 201.0 | 30,800 | 165 |
| 170 | | | | | | | 11.2 | 142.0 | 29,700* | 24.0 | 169.2 | 32,900* | 31.9 | 182.9 | 33,100 | 38.1 | 191.1 | 31,300 | 43.2 | 195.8 | 29,500 | 170 |
| 175 | | | | | | | | | | 18.1 | 155.8 | 31,100* | 27.7 | 173.9 | 31,800 | 34.6 | 184.2 | 30,000 | 40.1 | 190.1 | 28,300 | 175 |
| 180 | | | | | | | | | | 9.1 | 134.3 | 29,500* | 22.8 | 163.1 | 30,500 | 30.7 | 176.2 | 28,800 | 36.8 | 183.7 | 27,200 | 180 |
| 185 | | | | | | | | | | | | | 16.6 | 148.7 | 29,300 | 26.4 | 166.8 | 27,700 | 33.2 | 176.4 | 26,100 | 185 |
| 190 | | | | | | | | | | | | | 5.1 | 121.1 | 28,100 | 21.2 | 155.2 | 26,600 | 29.2 | 168.0 | 25,100 | 190 |
| 195 | | | | | | | | | | | | | | | | 14.2 | 139.0 | 25,600 | 24.6 | 157.9 | 24,100 | 195 |
| 200 | | | | | | | | | | | | | | | | | | | 18.9 | 145.0 | 23,100 | 200 |
| 205 | | | | | | | | | | | | | | | | | | | 10.6 | 125.2 | 22,200 | 205 |

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

DESIGNED AND TESTED
WITH THE INTENT TO BE
THE SCOPE OF ANSI B30.5

M-250 SERIES 2

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING**

105 FT. BOOM, 150 FT. JIB

| JIB OPER. RAD. FEET | 88 DEGREE BOOM ANGLE | | | 83 DEGREE BOOM ANGLE | | | 80 DEGREE BOOM ANGLE | | | 75 DEGREE BOOM ANGLE | | | 70 DEGREE BOOM ANGLE | | | 65 DEGREE BOOM ANGLE | | | 60 DEGREE BOOM ANGLE | | | JIB OPER. RAD. FEET |
|---------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|---------------------|
| | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | |
| 55 | 76.0 | 263.9 | 92,400* | | | | | | | | | | | | | | | | | | | 55 |
| 60 | 74.0 | 262.5 | 87,100* | | | | | | | | | | | | | | | | | | | 60 |
| 65 | 72.0 | 260.9 | 83,000* | | | | | | | | | | | | | | | | | | | 65 |
| 70 | 70.0 | 259.2 | 79,100* | | | | | | | | | | | | | | | | | | | 70 |
| 75 | 67.9 | 257.2 | 75,500* | | | | | | | | | | | | | | | | | | | 75 |
| 80 | 65.8 | 255.0 | 72,200* | 69.7 | 257.6 | 77,600* | | | | | | | | | | | | | | | | 80 |
| 85 | 63.7 | 252.6 | 69,200* | 67.7 | 255.6 | 74,100* | | | | | | | | | | | | | | | | 85 |
| 90 | 61.5 | 249.9 | 66,300* | 65.6 | 253.4 | 70,900* | 67.9 | 254.6 | 73,700* | | | | | | | | | | | | | 90 |
| 95 | 59.3 | 247.1 | 63,600* | 63.5 | 250.9 | 68,000* | 65.8 | 252.4 | 69,200 | | | | | | | | | | | | | 95 |
| 100 | 57.1 | 243.9 | 59,600* | 61.3 | 248.3 | 65,200* | 63.7 | 250.0 | 64,600 | | | | | | | | | | | | | 100 |
| 105 | 54.8 | 240.4 | 55,300* | 59.1 | 245.3 | 62,600* | 61.5 | 247.4 | 60,400 | | | | | | | | | | | | | 105 |
| 110 | 52.4 | 236.7 | 51,500* | 56.8 | 242.2 | 59,100* | 59.3 | 244.5 | 56,700 | | | | | | | | | | | | | 110 |
| 115 | 49.9 | 232.6 | 48,100* | 54.5 | 238.7 | 54,900* | 57.1 | 241.3 | 53,300 | 61.2 | 244.3 | 49,300 | | | | | | | | | | 115 |
| 120 | 47.3 | 228.1 | 45,100* | 52.1 | 234.9 | 51,200* | 54.8 | 237.9 | 50,300 | 59.0 | 241.3 | 46,400 | | | | | | | | | | 120 |
| 125 | 44.7 | 223.2 | 42,300* | 49.6 | 230.7 | 47,800* | 52.4 | 234.1 | 47,500 | 56.7 | 238.1 | 43,800 | | | | | | | | | | 125 |
| 130 | 41.8 | 217.8 | 39,800* | 47.0 | 226.2 | 44,800* | 49.9 | 230.0 | 44,900 | 54.4 | 234.6 | 41,400 | | | | | | | | | | 130 |
| 135 | 38.9 | 211.8 | 37,500* | 44.3 | 221.2 | 42,100* | 47.3 | 225.6 | 42,500 | 52.0 | 230.8 | 39,200 | 56.2 | 233.9 | 35,900 | | | | | | | 135 |
| 140 | 35.7 | 205.1 | 35,400* | 41.5 | 215.8 | 39,600* | 44.7 | 220.6 | 40,400 | 49.5 | 226.6 | 37,100 | 53.8 | 230.3 | 34,000 | | | | | | | 140 |
| 145 | 32.2 | 197.5 | 33,500* | 38.5 | 209.7 | 37,300* | 41.8 | 215.2 | 38,300 | 46.9 | 222.1 | 35,200 | 51.4 | 226.5 | 32,200 | | | | | | | 145 |
| 150 | 28.4 | 188.8 | 31,700* | 35.3 | 202.9 | 35,200* | 38.9 | 209.2 | 36,500 | 44.2 | 217.1 | 33,500 | 48.9 | 222.2 | 30,600 | | | | | | | 150 |
| 155 | 23.9 | 178.4 | 29,900* | 31.8 | 195.2 | 33,300* | 35.7 | 202.6 | 34,700 | 41.4 | 211.6 | 31,800 | 46.3 | 217.6 | 29,000 | 50.7 | 221.0 | 26,300 | | | | 155 |
| 160 | 18.6 | 165.2 | 28,100* | 27.9 | 186.3 | 31,500* | 32.2 | 195.0 | 33,100 | 38.3 | 205.5 | 30,300 | 43.6 | 212.5 | 27,600 | 48.2 | 216.7 | 24,900 | | | | 160 |
| 165 | 10.7 | 145.4 | 25,500* | 23.4 | 175.7 | 29,800* | 28.4 | 186.3 | 31,500 | 35.1 | 198.7 | 28,800 | 40.7 | 206.8 | 26,200 | 45.5 | 211.9 | 23,700 | | | | 165 |
| 170 | | | | 17.8 | 162.0 | 28,100* | 24.0 | 175.9 | 30,000 | 31.6 | 190.9 | 27,500 | 37.6 | 200.6 | 25,000 | 42.8 | 206.7 | 22,500 | 47.2 | 210.0 | 20,100 | 170 |
| 175 | | | | 9.4 | 140.6 | 26,300* | 18.6 | 162.7 | 28,400* | 27.7 | 182.0 | 26,200 | 34.4 | 193.6 | 23,800 | 39.8 | 200.9 | 21,400 | 44.5 | 205.1 | 19,100 | 175 |
| 180 | | | | | | | 10.8 | 142.9 | 26,600* | 23.1 | 171.2 | 25,000 | 30.8 | 185.6 | 22,600 | 36.7 | 194.4 | 20,300 | 41.7 | 199.7 | 18,100 | 180 |
| 185 | | | | | | | | | | 17.5 | 157.3 | 23,800 | 26.7 | 176.3 | 21,600 | 33.3 | 187.2 | 19,300 | 38.7 | 193.6 | 17,200 | 185 |
| 190 | | | | | | | | | | 8.8 | 135.0 | 22,600 | 22.0 | 165.0 | 20,500 | 29.6 | 178.9 | 18,400 | 35.5 | 186.9 | 16,300 | 190 |
| 195 | | | | | | | | | | | | | 16.0 | 150.0 | 19,500 | 25.4 | 169.1 | 17,500 | 32.0 | 179.3 | 15,400 | 195 |
| 200 | | | | | | | | | | | | | 4.9 | 121.5 | 18,500 | 20.4 | 156.9 | 16,600 | 28.2 | 170.5 | 14,600 | 200 |
| 205 | | | | | | | | | | | | | | | | 13.7 | 140.2 | 15,700 | 23.7 | 160.0 | 13,900 | 205 |
| 210 | | | | | | | | | | | | | | | | | | | 18.2 | 146.6 | 13,100 | 210 |
| 215 | | | | | | | | | | | | | | | | | | | 10.2 | 126.1 | 12,400 | 215 |

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

DESIGNED AND TESTED
WITH THE INTENT TO BE
THE SCOPE OF ANSI B30.5

M-250 SERIES 2

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING**

105 FT. BOOM, 160 FT. JIB

| JIB OPER. RAD. FEET | 88 DEGREE BOOM ANGLE | | | 83 DEGREE BOOM ANGLE | | | 80 DEGREE BOOM ANGLE | | | 75 DEGREE BOOM ANGLE | | | 70 DEGREE BOOM ANGLE | | | 65 DEGREE BOOM ANGLE | | | 60 DEGREE BOOM ANGLE | | | JIB OPER. RAD. FEET |
|------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|------------------------------|
| | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | |
| 60 | 75.0 | 272.9 | 82,600* | | | | | | | | | | | | | | | | | | | 60 |
| 65 | 73.1 | 271.4 | 79,100* | | | | | | | | | | | | | | | | | | | 65 |
| 70 | 71.3 | 269.8 | 76,700* | | | | | | | | | | | | | | | | | | | 70 |
| 75 | 69.4 | 268.0 | 73,300* | | | | | | | | | | | | | | | | | | | 75 |
| 80 | 67.4 | 265.9 | 70,200* | | | | | | | | | | | | | | | | | | | 80 |
| 85 | 65.5 | 263.7 | 67,300* | 69.1 | 266.4 | 71,900* | | | | | | | | | | | | | | | | 85 |
| 90 | 63.5 | 261.3 | 64,500* | 67.2 | 264.3 | 68,900* | | | | | | | | | | | | | | | | 90 |
| 95 | 61.4 | 258.6 | 62,000* | 65.2 | 262.1 | 66,100* | 67.4 | 263.4 | 68,500* | | | | | | | | | | | | | 95 |
| 100 | 59.4 | 255.7 | 59,100* | 63.2 | 259.6 | 63,400* | 65.5 | 261.1 | 63,900 | | | | | | | | | | | | | 100 |
| 105 | 57.3 | 252.6 | 54,800* | 61.2 | 256.9 | 60,900* | 63.5 | 258.7 | 59,800 | | | | | | | | | | | | | 105 |
| 110 | 55.1 | 249.2 | 51,000* | 59.1 | 254.0 | 58,600* | 61.5 | 256.0 | 56,100 | | | | | | | | | | | | | 110 |
| 115 | 52.9 | 245.5 | 47,600* | 57.0 | 250.8 | 54,400* | 59.4 | 253.2 | 52,700 | | | | | | | | | | | | | 115 |
| 120 | 50.6 | 241.5 | 44,600* | 54.8 | 247.4 | 50,600* | 57.3 | 250.0 | 49,600 | 61.1 | 252.9 | 45,700 | | | | | | | | | | 120 |
| 125 | 48.2 | 237.1 | 41,800* | 52.6 | 243.7 | 47,300* | 55.1 | 246.6 | 46,800 | 59.0 | 250.0 | 43,100 | | | | | | | | | | 125 |
| 130 | 45.7 | 232.4 | 39,300* | 50.3 | 239.6 | 44,300* | 52.9 | 242.9 | 44,300 | 56.9 | 246.8 | 40,700 | | | | | | | | | | 130 |
| 135 | 43.1 | 227.2 | 37,000* | 47.9 | 235.2 | 41,500* | 50.6 | 238.9 | 41,900 | 54.7 | 243.3 | 38,500 | | | | | | | | | | 135 |
| 140 | 40.4 | 221.5 | 34,900* | 45.4 | 230.4 | 39,000* | 48.2 | 234.5 | 39,800 | 52.5 | 239.6 | 36,500 | 56.4 | 242.6 | 33,200 | | | | | | | 140 |
| 145 | 37.6 | 215.2 | 33,000* | 42.8 | 225.2 | 36,800* | 45.7 | 229.8 | 37,700 | 50.2 | 235.5 | 34,600 | 54.2 | 239.1 | 31,500 | | | | | | | 145 |
| 150 | 34.5 | 208.2 | 31,200* | 40.1 | 219.4 | 34,700* | 43.2 | 224.6 | 35,900 | 47.8 | 231.1 | 32,800 | 52.0 | 235.3 | 29,800 | | | | | | | 150 |
| 155 | 31.1 | 200.3 | 29,500* | 37.2 | 213.1 | 32,800* | 40.4 | 218.9 | 34,100 | 45.3 | 226.3 | 31,200 | 49.7 | 231.1 | 28,300 | | | | | | | 155 |
| 160 | 27.4 | 191.2 | 28,000* | 34.1 | 206.0 | 31,000* | 37.6 | 212.7 | 32,500 | 42.7 | 221.0 | 29,700 | 47.2 | 226.6 | 26,900 | 51.3 | 229.9 | 24,200 | | | | 160 |
| 165 | 23.2 | 180.4 | 26,400* | 30.7 | 198.0 | 29,300* | 34.5 | 205.7 | 30,900 | 40.0 | 215.3 | 28,200 | 44.7 | 221.7 | 25,500 | 49.0 | 225.6 | 22,900 | | | | 165 |
| 170 | 17.9 | 166.8 | 24,900* | 27.0 | 188.7 | 27,800* | 31.2 | 197.8 | 29,500* | 37.1 | 208.9 | 26,900 | 42.1 | 216.3 | 24,300 | 46.5 | 221.0 | 21,800 | | | | 170 |
| 175 | 10.4 | 146.2 | 22,500* | 22.6 | 177.7 | 26,400* | 27.4 | 188.7 | 28,000* | 33.9 | 201.7 | 25,600 | 39.3 | 210.4 | 23,100 | 44.0 | 216.0 | 20,700 | | | | 175 |
| 180 | | | | 17.3 | 163.5 | 24,800* | 23.2 | 177.9 | 26,600* | 30.5 | 193.7 | 24,400 | 36.4 | 203.9 | 22,000 | 41.3 | 210.5 | 19,600 | 45.6 | 214.3 | 17,300 | 180 |
| 185 | | | | 9.1 | 141.4 | 23,200* | 18.0 | 164.2 | 25,100* | 26.8 | 184.3 | 23,300 | 33.2 | 196.6 | 20,900 | 38.5 | 204.4 | 18,600 | 43.0 | 209.1 | 16,400 | 185 |
| 190 | | | | | | | 10.4 | 143.8 | 23,500* | 22.4 | 173.2 | 22,200 | 29.7 | 188.3 | 19,900 | 35.5 | 197.6 | 17,700 | 40.3 | 203.4 | 15,600 | 190 |
| 195 | | | | | | | | | | 16.9 | 158.8 | 21,100 | 25.8 | 178.6 | 19,000 | 32.2 | 190.1 | 16,800 | 37.4 | 197.0 | 14,700 | 195 |
| 200 | | | | | | | | | | 8.5 | 135.7 | 20,100 | 21.3 | 166.9 | 18,000 | 28.7 | 181.4 | 16,000 | 34.3 | 190.0 | 14,000 | 200 |
| 205 | | | | | | | | | | | | | 15.4 | 151.4 | 17,100 | 24.6 | 171.2 | 15,200 | 31.0 | 182.1 | 13,200 | 205 |
| 210 | | | | | | | | | | | | | 4.7 | 121.9 | 16,200 | 19.8 | 158.7 | 14,400 | 27.2 | 172.9 | 12,500 | 210 |
| 215 | | | | | | | | | | | | | | | | 13.3 | 141.3 | 13,600 | 22.9 | 162.0 | 11,800 | 215 |
| 220 | | | | | | | | | | | | | | | | | | | 17.6 | 148.1 | 11,100 | 220 |
| 225 | | | | | | | | | | | | | | | | | | | 9.8 | 126.9 | 10,400 | 225 |

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

DESIGNED AND TESTED
WITH THE INTENT TO BE
THE SCOPE OF ANSI B30.5

M-250 SERIES 2

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING**

105 FT. BOOM, 170 FT. JIB

| JIB OPER. RAD. FEET | 88 DEGREE BOOM ANGLE | | | 83 DEGREE BOOM ANGLE | | | 80 DEGREE BOOM ANGLE | | | 75 DEGREE BOOM ANGLE | | | 70 DEGREE BOOM ANGLE | | | 65 DEGREE BOOM ANGLE | | | 60 DEGREE BOOM ANGLE | | | JIB OPER. RAD. FEET |
|---------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|---------------------|
| | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | |
| 60 | 75.9 | 283.3 | 77,500* | | | | | | | | | | | | | | | | | | | 60 |
| 65 | 74.2 | 281.9 | 74,800* | | | | | | | | | | | | | | | | | | | 65 |
| 70 | 72.4 | 280.3 | 72,100* | | | | | | | | | | | | | | | | | | | 70 |
| 75 | 70.6 | 278.6 | 69,900* | | | | | | | | | | | | | | | | | | | 75 |
| 80 | 68.8 | 276.7 | 68,300* | | | | | | | | | | | | | | | | | | | 80 |
| 85 | 67.0 | 274.7 | 65,600* | 70.4 | 277.1 | 68,500* | | | | | | | | | | | | | | | | 85 |
| 90 | 65.1 | 272.4 | 62,900* | 68.6 | 275.2 | 66,000* | | | | | | | | | | | | | | | | 90 |
| 95 | 63.3 | 269.9 | 60,500* | 66.8 | 273.1 | 64,400* | | | | | | | | | | | | | | | | 95 |
| 100 | 61.4 | 267.3 | 58,100* | 64.9 | 270.8 | 61,800* | 67.0 | 272.1 | 63,500 | | | | | | | | | | | | | 100 |
| 105 | 59.4 | 264.4 | 54,500* | 63.1 | 268.3 | 59,400* | 65.2 | 269.8 | 59,400 | | | | | | | | | | | | | 105 |
| 110 | 57.4 | 261.3 | 50,700* | 61.1 | 265.6 | 57,100* | 63.3 | 267.4 | 55,700 | | | | | | | | | | | | | 110 |
| 115 | 55.4 | 257.9 | 47,300* | 59.2 | 262.7 | 54,100* | 61.4 | 264.7 | 52,300 | | | | | | | | | | | | | 115 |
| 120 | 53.3 | 254.2 | 44,300* | 57.2 | 259.5 | 50,300* | 59.4 | 261.8 | 49,300 | 63.0 | 264.3 | 45,300 | | | | | | | | | | 120 |
| 125 | 51.2 | 250.3 | 41,500* | 55.2 | 256.1 | 47,000* | 57.4 | 258.7 | 46,500 | 61.0 | 261.6 | 42,700 | | | | | | | | | | 125 |
| 130 | 48.9 | 246.0 | 39,000* | 53.1 | 252.4 | 44,000* | 55.4 | 255.3 | 43,900 | 59.1 | 258.6 | 40,300 | | | | | | | | | | 130 |
| 135 | 46.7 | 241.4 | 36,700* | 50.9 | 248.5 | 41,200* | 53.3 | 251.7 | 41,600 | 57.1 | 255.5 | 38,100 | | | | | | | | | | 135 |
| 140 | 44.3 | 236.4 | 34,600* | 48.7 | 244.2 | 38,700* | 51.2 | 247.7 | 39,400 | 55.0 | 252.1 | 36,100 | | | | | | | | | | 140 |
| 145 | 41.8 | 231.0 | 32,700* | 46.4 | 239.5 | 36,500* | 49.0 | 243.5 | 37,400 | 53.0 | 248.4 | 34,200 | 56.6 | 251.3 | 31,100 | | | | | | | 145 |
| 150 | 39.2 | 225.1 | 30,900* | 44.0 | 234.5 | 34,400* | 46.7 | 238.9 | 35,500 | 50.8 | 244.4 | 32,500 | 54.6 | 247.8 | 29,500 | | | | | | | 150 |
| 155 | 36.4 | 218.5 | 29,200* | 41.5 | 229.0 | 32,500* | 44.3 | 233.9 | 33,800 | 48.6 | 240.1 | 30,800 | 52.5 | 244.1 | 28,000 | | | | | | | 155 |
| 160 | 33.4 | 211.2 | 27,700* | 38.9 | 223.0 | 30,700* | 41.8 | 228.5 | 32,200 | 46.3 | 235.4 | 29,300 | 50.3 | 240.0 | 26,500 | | | | | | | 160 |
| 165 | 30.2 | 203.0 | 26,200* | 36.1 | 216.4 | 29,000* | 39.2 | 222.5 | 30,600 | 43.9 | 230.3 | 27,900 | 48.1 | 235.6 | 25,200 | 51.9 | 238.7 | 22,600 | | | | 165 |
| 170 | 26.6 | 193.6 | 24,900* | 33.1 | 209.0 | 27,500* | 36.4 | 216.0 | 29,200* | 41.4 | 224.8 | 26,600 | 45.7 | 230.9 | 24,000 | 49.7 | 234.6 | 21,400 | | | | 170 |
| 175 | 22.4 | 182.4 | 23,500* | 29.8 | 200.7 | 26,100* | 33.4 | 208.7 | 27,700* | 38.7 | 218.8 | 25,300 | 43.3 | 225.7 | 22,800 | 47.4 | 230.1 | 20,300 | | | | 175 |
| 180 | 17.4 | 168.3 | 22,100* | 26.1 | 191.1 | 24,800* | 30.2 | 200.5 | 26,300* | 35.9 | 212.1 | 24,100 | 40.8 | 220.1 | 21,700 | 45.1 | 225.2 | 19,300 | | | | 180 |
| 185 | 10.0 | 147.1 | 20,100* | 21.9 | 179.6 | 23,500* | 26.6 | 191.1 | 24,900* | 32.9 | 204.7 | 23,000 | 38.1 | 213.9 | 20,600 | 42.6 | 219.9 | 18,300 | 46.5 | 223.4 | 16,100 | 185 |
| 190 | | | | 16.7 | 165.0 | 22,100* | 22.5 | 179.9 | 23,700* | 29.6 | 196.3 | 21,900 | 35.3 | 207.1 | 19,600 | 40.0 | 214.1 | 17,400 | 44.2 | 218.4 | 15,200 | 190 |
| 195 | | | | 8.8 | 142.1 | 20,700* | 17.4 | 165.8 | 22,300* | 25.9 | 186.6 | 20,900 | 32.2 | 199.5 | 18,700 | 37.3 | 207.8 | 16,500 | 41.7 | 212.9 | 14,400 | 195 |
| 200 | | | | | | | 10.1 | 144.6 | 20,900* | 21.7 | 175.1 | 19,900 | 28.8 | 190.8 | 17,800 | 34.4 | 200.8 | 15,700 | 39.0 | 206.9 | 13,600 | 200 |
| 205 | | | | | | | | | | 16.4 | 160.2 | 19,000 | 25.0 | 180.8 | 16,900 | 31.2 | 192.9 | 14,900 | 36.2 | 200.3 | 12,900 | 205 |
| 210 | | | | | | | | | | 8.2 | 136.4 | 18,000 | 20.6 | 168.7 | 16,100 | 27.8 | 183.9 | 14,100 | 33.3 | 193.0 | 12,200 | 210 |
| 215 | | | | | | | | | | | | | 15.0 | 152.7 | 15,300 | 23.8 | 173.3 | 13,400 | 30.0 | 184.7 | 11,500 | 215 |
| 220 | | | | | | | | | | | | | 4.6 | 122.2 | 14,400 | 19.2 | 160.3 | 12,700 | 26.4 | 175.2 | 10,900 | 220 |
| 225 | | | | | | | | | | | | | | | | 12.9 | 142.4 | 12,000 | 22.2 | 163.9 | 10,200 | 225 |
| 230 | | | | | | | | | | | | | | | | | | | 17.1 | 149.6 | 9,600 | 230 |
| 235 | | | | | | | | | | | | | | | | | | | 9.5 | 127.7 | 9,000 | 235 |

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

DESIGNED AND TESTED
WITH THE INTENT TO BE
THE SCOPE OF ANSI B30.5

M-250 SERIES 2

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING**

105 FT. BOOM, 180 FT. JIB

| JIB OPER. RAD. FEET | 88 DEGREE BOOM ANGLE | | | 83 DEGREE BOOM ANGLE | | | 80 DEGREE BOOM ANGLE | | | 75 DEGREE BOOM ANGLE | | | 70 DEGREE BOOM ANGLE | | | 65 DEGREE BOOM ANGLE | | | 60 DEGREE BOOM ANGLE | | | JIB OPER. RAD. FEET |
|---------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|---------------------|
| | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | |
| 65 | 75.1 | 292.3 | 70,700* | | | | | | | | | | | | | | | | | | | 65 |
| 70 | 73.4 | 290.8 | 68,600* | | | | | | | | | | | | | | | | | | | 70 |
| 75 | 71.7 | 289.2 | 66,400* | | | | | | | | | | | | | | | | | | | 75 |
| 80 | 70.1 | 287.5 | 64,600* | | | | | | | | | | | | | | | | | | | 80 |
| 85 | 68.3 | 285.5 | 62,800* | | | | | | | | | | | | | | | | | | | 85 |
| 90 | 66.6 | 283.4 | 61,100* | 69.9 | 285.9 | 62,800* | | | | | | | | | | | | | | | | 90 |
| 95 | 64.9 | 281.1 | 58,700* | 68.2 | 283.9 | 60,900* | | | | | | | | | | | | | | | | 95 |
| 100 | 63.1 | 278.6 | 56,500* | 66.4 | 281.8 | 59,200* | | | | | | | | | | | | | | | | 100 |
| 105 | 61.3 | 275.9 | 54,000* | 64.7 | 279.5 | 57,700* | 66.6 | 280.8 | 58,700 | | | | | | | | | | | | | 105 |
| 110 | 59.4 | 273.0 | 50,200* | 62.9 | 277.0 | 55,500* | 64.9 | 278.5 | 55,000 | | | | | | | | | | | | | 110 |
| 115 | 57.6 | 269.9 | 46,800* | 61.1 | 274.3 | 53,500* | 63.1 | 276.1 | 51,700 | | | | | | | | | | | | | 115 |
| 120 | 55.7 | 266.6 | 43,700* | 59.2 | 271.3 | 49,800* | 61.3 | 273.4 | 48,600 | | | | | | | | | | | | | 120 |
| 125 | 53.7 | 263.0 | 41,000* | 57.4 | 268.2 | 46,500* | 59.5 | 270.5 | 45,800 | 62.8 | 273.0 | 42,000 | | | | | | | | | | 125 |
| 130 | 51.7 | 259.1 | 38,500* | 55.4 | 264.8 | 43,400* | 57.6 | 267.4 | 43,300 | 61.0 | 270.2 | 39,700 | | | | | | | | | | 130 |
| 135 | 49.6 | 255.0 | 36,200* | 53.5 | 261.2 | 40,700* | 55.7 | 264.0 | 41,000 | 59.1 | 267.3 | 37,500 | | | | | | | | | | 135 |
| 140 | 47.5 | 250.5 | 34,100* | 51.4 | 257.3 | 38,200* | 53.7 | 260.4 | 38,800 | 57.3 | 264.2 | 35,400 | | | | | | | | | | 140 |
| 145 | 45.3 | 245.6 | 32,100* | 49.4 | 253.1 | 35,900* | 51.7 | 256.6 | 36,800 | 55.3 | 260.8 | 33,600 | | | | | | | | | | 145 |
| 150 | 43.0 | 240.4 | 30,300* | 47.2 | 248.6 | 33,800* | 49.6 | 252.4 | 34,900 | 53.4 | 257.1 | 31,800 | 56.8 | 260.0 | 28,800 | | | | | | | 150 |
| 155 | 40.5 | 234.7 | 28,700* | 45.0 | 243.7 | 31,900* | 47.5 | 247.9 | 33,200 | 51.3 | 253.2 | 30,200 | 54.9 | 256.5 | 27,300 | | | | | | | 155 |
| 160 | 38.0 | 228.5 | 27,100* | 42.7 | 238.4 | 30,200* | 45.3 | 243.1 | 31,600 | 49.3 | 249.0 | 28,700 | 52.9 | 252.8 | 25,800 | | | | | | | 160 |
| 165 | 35.3 | 221.7 | 25,700* | 40.3 | 232.7 | 28,500* | 43.0 | 237.9 | 30,100 | 47.1 | 244.5 | 27,300 | 50.9 | 248.8 | 24,500 | | | | | | | 165 |
| 170 | 32.4 | 214.1 | 24,400* | 37.7 | 226.4 | 27,000* | 40.6 | 232.2 | 28,600 | 44.9 | 239.6 | 25,900 | 48.8 | 244.6 | 23,300 | 52.3 | 247.5 | 20,700 | | | | 170 |
| 175 | 29.3 | 205.6 | 23,100* | 35.0 | 219.5 | 25,600* | 38.0 | 226.0 | 27,200* | 42.6 | 234.3 | 24,700 | 46.6 | 240.0 | 22,100 | 50.3 | 243.4 | 19,600 | | | | 175 |
| 180 | 25.8 | 195.9 | 21,900* | 32.1 | 211.9 | 24,200* | 35.3 | 219.2 | 25,700* | 40.1 | 228.5 | 23,500 | 44.4 | 235.0 | 21,000 | 48.2 | 239.1 | 18,600 | | | | 180 |
| 185 | 21.8 | 184.3 | 20,700* | 28.9 | 203.2 | 23,000* | 32.4 | 211.6 | 24,400* | 37.6 | 222.2 | 22,400 | 42.0 | 229.6 | 20,000 | 46.0 | 234.3 | 17,600 | | | | 185 |
| 190 | 16.9 | 169.7 | 19,500* | 25.4 | 193.3 | 21,800* | 29.3 | 203.1 | 23,100* | 34.9 | 215.3 | 21,300 | 39.6 | 223.7 | 19,000 | 43.7 | 229.2 | 16,700 | 47.4 | 232.4 | 14,500 | 190 |
| 195 | 9.8 | 147.9 | 17,600* | 21.3 | 181.5 | 20,700* | 25.8 | 193.3 | 22,000* | 31.9 | 207.6 | 20,300 | 37.0 | 217.3 | 18,000 | 41.3 | 223.7 | 15,800 | 45.1 | 227.6 | 13,700 | 195 |
| 200 | | | | 16.2 | 166.4 | 19,500* | 21.8 | 181.8 | 20,900* | 28.7 | 198.9 | 19,400 | 34.2 | 210.2 | 17,200 | 38.8 | 217.7 | 15,000 | 42.8 | 222.3 | 12,900 | 200 |
| 205 | | | | 8.6 | 142.9 | 18,200* | 16.9 | 167.2 | 19,700* | 25.2 | 188.9 | 18,400 | 31.2 | 202.3 | 16,300 | 36.2 | 211.1 | 14,200 | 40.4 | 216.6 | 12,200 | 205 |
| 210 | | | | | | | 9.8 | 145.5 | 18,400* | 21.1 | 176.9 | 17,600 | 28.0 | 193.3 | 15,500 | 33.4 | 203.8 | 13,500 | 37.9 | 210.4 | 11,500 | 210 |
| 215 | | | | | | | | | | 15.9 | 161.6 | 16,700 | 24.3 | 182.9 | 14,700 | 30.3 | 195.6 | 12,700 | 35.2 | 203.5 | 10,800 | 215 |
| 220 | | | | | | | | | | 8.0 | 137.1 | 15,900 | 20.0 | 170.4 | 14,000 | 27.0 | 186.3 | 12,100 | 32.3 | 195.9 | 10,200 | 220 |
| 225 | | | | | | | | | | | | | 14.5 | 153.9 | 13,200 | 23.1 | 175.4 | 11,400 | 29.1 | 187.3 | 9,600 | 225 |
| 230 | | | | | | | | | | | | | 4.4 | 122.6 | 12,400 | 18.6 | 162.0 | 10,700 | 25.6 | 177.5 | 9,000 | 230 |
| 235 | | | | | | | | | | | | | | | | 12.5 | 143.5 | 10,100 | 21.6 | 165.8 | 8,400 | 235 |
| 240 | | | | | | | | | | | | | | | | | | | 16.6 | 151.1 | 7,900 | 240 |
| 245 | | | | | | | | | | | | | | | | | | | 9.3 | 128.5 | 7,300 | 245 |

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

DESIGNED AND TESTED WITH THE INTENT TO BE WITHIN THE SCOPE OF ANSI B30.5

M-250 SERIES 2

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING**

105 FT. BOOM, 190 FT. JIB

| JIB OPER. RAD. FEET | 88 DEGREE BOOM ANGLE | | | 83 DEGREE BOOM ANGLE | | | 80 DEGREE BOOM ANGLE | | | 75 DEGREE BOOM ANGLE | | | 70 DEGREE BOOM ANGLE | | | 65 DEGREE BOOM ANGLE | | | 60 DEGREE BOOM ANGLE | | | JIB OPER. RAD. FEET |
|---------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|---------------------|
| | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | |
| 65 | 75.9 | 302.6 | 67,200* | | | | | | | | | | | | | | | | | | | 65 |
| 70 | 74.3 | 301.3 | 65,100* | | | | | | | | | | | | | | | | | | | 70 |
| 75 | 72.7 | 299.7 | 63,500* | | | | | | | | | | | | | | | | | | | 75 |
| 80 | 71.1 | 298.1 | 62,300* | | | | | | | | | | | | | | | | | | | 80 |
| 85 | 69.5 | 296.3 | 60,800* | | | | | | | | | | | | | | | | | | | 85 |
| 90 | 67.9 | 294.3 | 59,200* | 71.0 | 296.5 | 57,900* | | | | | | | | | | | | | | | | 90 |
| 95 | 66.3 | 292.1 | 57,200* | 69.4 | 294.7 | 56,500* | | | | | | | | | | | | | | | | 95 |
| 100 | 64.6 | 289.8 | 55,000* | 67.7 | 292.7 | 55,200* | | | | | | | | | | | | | | | | 100 |
| 105 | 62.9 | 287.3 | 53,000* | 66.1 | 290.5 | 54,300* | 67.9 | 291.7 | 57,800* | | | | | | | | | | | | | 105 |
| 110 | 61.2 | 284.6 | 49,700* | 64.4 | 288.2 | 53,200* | 66.3 | 289.6 | 54,400 | | | | | | | | | | | | | 110 |
| 115 | 59.5 | 281.7 | 46,300* | 62.7 | 285.6 | 52,100* | 64.6 | 287.2 | 51,100 | | | | | | | | | | | | | 115 |
| 120 | 57.7 | 278.6 | 43,200* | 61.0 | 282.9 | 49,300* | 62.9 | 284.7 | 48,000 | | | | | | | | | | | | | 120 |
| 125 | 55.9 | 275.3 | 40,500* | 59.3 | 280.0 | 46,000* | 61.2 | 282.0 | 45,300 | | | | | | | | | | | | | 125 |
| 130 | 54.0 | 271.7 | 38,000* | 57.5 | 276.9 | 42,900* | 59.5 | 279.1 | 42,700 | 62.6 | 281.6 | 39,100 | | | | | | | | | | 130 |
| 135 | 52.1 | 267.9 | 35,700* | 55.7 | 273.5 | 40,200* | 57.7 | 276.0 | 40,400 | 60.9 | 278.9 | 36,900 | | | | | | | | | | 135 |
| 140 | 50.2 | 263.8 | 33,600* | 53.8 | 269.9 | 37,700* | 55.9 | 272.7 | 38,200 | 59.2 | 276.0 | 34,800 | | | | | | | | | | 140 |
| 145 | 48.2 | 259.5 | 31,600* | 51.9 | 266.1 | 35,400* | 54.0 | 269.2 | 36,200 | 57.4 | 272.8 | 33,000 | | | | | | | | | | 145 |
| 150 | 46.1 | 254.8 | 29,800* | 50.0 | 262.0 | 33,400* | 52.2 | 265.4 | 34,400 | 55.6 | 269.5 | 31,200 | | | | | | | | | | 150 |
| 155 | 44.0 | 249.7 | 28,200* | 48.0 | 257.6 | 31,400* | 50.2 | 261.3 | 32,700 | 53.7 | 265.9 | 29,600 | 57.0 | 268.7 | 26,600 | | | | | | | 155 |
| 160 | 41.7 | 244.2 | 26,600* | 45.9 | 252.8 | 29,700* | 48.2 | 256.9 | 31,000 | 51.8 | 262.0 | 28,100 | 55.2 | 265.2 | 25,200 | | | | | | | 160 |
| 165 | 39.4 | 238.3 | 25,200* | 43.7 | 247.7 | 28,000* | 46.1 | 252.2 | 29,500 | 49.9 | 257.9 | 26,700 | 53.3 | 261.6 | 23,900 | | | | | | | 165 |
| 170 | 36.9 | 231.9 | 23,900* | 41.5 | 242.2 | 26,500* | 44.0 | 247.1 | 28,100 | 47.9 | 253.5 | 25,400 | 51.4 | 257.7 | 22,700 | | | | | | | 170 |
| 175 | 34.3 | 224.8 | 22,600* | 39.1 | 236.3 | 25,100* | 41.8 | 241.7 | 26,700* | 45.8 | 248.7 | 24,100 | 49.4 | 253.5 | 21,500 | | | | | | | 175 |
| 180 | 31.5 | 217.0 | 21,400* | 36.7 | 229.7 | 23,700* | 39.4 | 235.8 | 25,200* | 43.6 | 243.6 | 23,000 | 47.4 | 249.0 | 20,400 | 52.8 | 256.3 | 19,000 | | | | 180 |
| 185 | 28.5 | 208.2 | 20,300* | 34.0 | 222.6 | 22,500* | 37.0 | 229.3 | 23,900* | 41.4 | 238.1 | 21,800 | 45.3 | 244.2 | 19,400 | 50.8 | 252.3 | 18,000 | 48.8 | 248.0 | 17,000 | 185 |
| 190 | 25.1 | 198.1 | 19,300* | 31.2 | 214.7 | 21,300* | 34.3 | 222.3 | 22,700* | 39.0 | 232.1 | 20,800 | 43.1 | 238.9 | 18,400 | 46.8 | 243.4 | 16,100 | | | | 190 |
| 195 | 21.2 | 186.2 | 18,200* | 28.1 | 205.7 | 20,200* | 31.5 | 214.4 | 21,500* | 36.5 | 225.5 | 19,800 | 40.9 | 233.3 | 17,500 | 44.7 | 238.5 | 15,200 | | | | 195 |
| 200 | 16.4 | 171.2 | 17,100* | 24.7 | 195.5 | 19,200* | 28.5 | 205.6 | 20,400* | 33.9 | 218.3 | 18,800 | 38.5 | 227.2 | 16,600 | 42.5 | 233.1 | 14,400 | 46.0 | 236.7 | 12,300 | 200 |
| 205 | 9.5 | 148.7 | 15,400* | 20.7 | 183.3 | 18,200* | 25.1 | 195.6 | 19,300* | 31.0 | 210.3 | 17,900 | 36.0 | 220.5 | 15,800 | 40.2 | 227.4 | 13,600 | 43.9 | 231.6 | 11,600 | 205 |
| 210 | | | | 15.8 | 167.8 | 17,100* | 21.2 | 183.7 | 18,300* | 27.9 | 201.4 | 17,100 | 33.3 | 213.2 | 15,000 | 37.8 | 221.1 | 12,900 | 41.6 | 226.1 | 10,900 | 210 |
| 215 | | | | 8.3 | 143.6 | 15,900* | 16.4 | 168.7 | 17,300* | 24.5 | 191.0 | 16,300 | 30.4 | 205.0 | 14,200 | 35.2 | 214.2 | 12,200 | 39.3 | 220.2 | 10,300 | 215 |
| 220 | | | | | | | 9.5 | 146.3 | 16,100* | 20.5 | 178.7 | 15,500 | 27.2 | 195.7 | 13,500 | 32.5 | 206.7 | 11,500 | 36.8 | 213.7 | 9,600 | 220 |
| 225 | | | | | | | | | | 15.5 | 162.9 | 14,700 | 23.6 | 185.0 | 12,800 | 29.5 | 198.2 | 10,900 | 34.2 | 206.6 | 9,000 | 225 |
| 230 | | | | | | | | | | 7.7 | 137.7 | 13,900 | 19.5 | 172.1 | 12,100 | 26.2 | 188.6 | 10,200 | 31.4 | 198.7 | 8,400 | 230 |
| 235 | | | | | | | | | | | | | 14.1 | 155.2 | 11,400 | 22.5 | 177.4 | 9,600 | 28.3 | 189.9 | 7,900 | 235 |
| 240 | | | | | | | | | | | | | 4.3 | 122.9 | 10,700 | 18.1 | 163.5 | 9,000 | 24.9 | 179.7 | 7,400 | 240 |
| 245 | | | | | | | | | | | | | | | | 12.2 | 144.5 | 8,500 | 21.0 | 167.7 | 6,800 | 245 |
| 250 | | | | | | | | | | | | | | | | | | | 16.1 | 152.5 | 6,300 | 250 |
| 255 | | | | | | | | | | | | | | | | | | | 9.0 | 129.3 | 5,800 | 255 |

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

DESIGNED AND TESTED
WITH THE INTENT TO BE
THE SCOPE OF ANSI B30.5

M-250 SERIES 2

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING**

105 FT. BOOM, 200 FT. JIB

| JIB OPER. RAD. FEET | 88 DEGREE BOOM ANGLE | | | 83 DEGREE BOOM ANGLE | | | 80 DEGREE BOOM ANGLE | | | 75 DEGREE BOOM ANGLE | | | 70 DEGREE BOOM ANGLE | | | 65 DEGREE BOOM ANGLE | | | 60 DEGREE BOOM ANGLE | | | JIB OPER. RAD. FEET |
|---------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|---------------------|
| | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | |
| 70 | 75.1 | 311.6 | 60,000* | | | | | | | | | | | | | | | | | | | 70 |
| 75 | 73.6 | 310.2 | 59,000* | | | | | | | | | | | | | | | | | | | 75 |
| 80 | 72.1 | 308.6 | 58,000* | | | | | | | | | | | | | | | | | | | 80 |
| 85 | 70.6 | 306.9 | 57,000* | | | | | | | | | | | | | | | | | | | 85 |
| 90 | 69.1 | 305.0 | 56,000* | | | | | | | | | | | | | | | | | | | 90 |
| 95 | 67.5 | 303.0 | 55,100* | 70.4 | 305.4 | 53,700* | | | | | | | | | | | | | | | | 95 |
| 100 | 66.0 | 300.8 | 52,600* | 68.9 | 303.5 | 52,800* | | | | | | | | | | | | | | | | 100 |
| 105 | 64.4 | 298.5 | 50,100* | 67.4 | 301.4 | 52,000* | | | | | | | | | | | | | | | | 105 |
| 110 | 62.8 | 296.0 | 47,600* | 65.8 | 299.2 | 51,200* | 67.5 | 300.5 | 53,700* | | | | | | | | | | | | | 110 |
| 115 | 61.2 | 293.3 | 45,300* | 64.2 | 296.8 | 50,200* | 66.0 | 298.3 | 50,400 | | | | | | | | | | | | | 115 |
| 120 | 59.5 | 290.4 | 42,700* | 62.6 | 294.3 | 47,800* | 64.4 | 295.9 | 47,400 | | | | | | | | | | | | | 120 |
| 125 | 57.8 | 287.3 | 39,900* | 61.0 | 291.6 | 45,400* | 62.8 | 293.4 | 44,600 | | | | | | | | | | | | | 125 |
| 130 | 56.1 | 284.0 | 37,400* | 59.3 | 288.7 | 42,400* | 61.2 | 290.7 | 42,100 | | | | | | | | | | | | | 130 |
| 135 | 54.3 | 280.5 | 35,100* | 57.6 | 285.5 | 39,700* | 59.5 | 287.8 | 39,800 | 62.5 | 290.3 | 36,200 | | | | | | | | | | 135 |
| 140 | 52.6 | 276.7 | 33,000* | 55.9 | 282.2 | 37,200* | 57.8 | 284.7 | 37,600 | 60.9 | 287.6 | 34,200 | | | | | | | | | | 140 |
| 145 | 50.7 | 272.7 | 31,100* | 54.1 | 278.7 | 34,900* | 56.1 | 281.4 | 35,600 | 59.2 | 284.6 | 32,300 | | | | | | | | | | 145 |
| 150 | 48.8 | 268.4 | 29,300* | 52.4 | 274.9 | 32,800* | 54.4 | 277.9 | 33,800 | 57.5 | 281.5 | 30,600 | | | | | | | | | | 150 |
| 155 | 46.9 | 263.8 | 27,600* | 50.5 | 270.9 | 30,900* | 52.6 | 274.1 | 32,000 | 55.8 | 278.2 | 29,000 | | | | | | | | | | 155 |
| 160 | 44.9 | 258.9 | 26,100* | 48.6 | 266.5 | 29,100* | 50.7 | 270.1 | 30,400 | 54.1 | 274.6 | 27,500 | 57.2 | 277.3 | 24,500 | | | | | | | 160 |
| 165 | 42.8 | 253.6 | 24,700* | 46.7 | 261.9 | 27,500* | 48.8 | 265.9 | 28,900 | 52.3 | 270.8 | 26,000 | 55.4 | 273.9 | 23,200 | | | | | | | 165 |
| 170 | 40.6 | 248.0 | 23,300* | 44.7 | 257.0 | 25,900* | 46.9 | 261.3 | 27,500 | 50.4 | 266.8 | 24,700 | 53.7 | 270.3 | 22,000 | | | | | | | 170 |
| 175 | 38.4 | 241.8 | 22,100* | 42.6 | 251.7 | 24,500* | 44.9 | 256.4 | 26,100* | 48.5 | 262.4 | 23,500 | 51.8 | 266.5 | 20,800 | | | | | | | 175 |
| 180 | 36.0 | 235.1 | 20,900* | 40.4 | 245.9 | 23,200* | 42.8 | 251.1 | 24,700* | 46.6 | 257.8 | 22,300 | 50.0 | 262.4 | 19,700 | | | | | | | 180 |
| 185 | 33.4 | 227.8 | 19,800* | 38.1 | 239.7 | 22,000* | 40.6 | 245.4 | 23,400* | 44.5 | 252.8 | 21,200 | 48.1 | 258.0 | 18,700 | 51.3 | 261.1 | 16,300 | | | | 185 |
| 190 | 30.7 | 219.7 | 18,800* | 35.7 | 233.0 | 20,800* | 38.4 | 239.3 | 22,100* | 42.4 | 247.5 | 20,200 | 46.1 | 253.3 | 17,700 | 49.4 | 256.9 | 15,400 | | | | 190 |
| 195 | 27.7 | 210.6 | 17,800* | 33.1 | 225.6 | 19,700* | 36.0 | 232.6 | 20,900* | 40.3 | 241.7 | 19,200 | 44.1 | 248.2 | 16,800 | 47.5 | 252.4 | 14,500 | | | | 195 |
| 200 | 24.4 | 200.3 | 16,800* | 30.4 | 217.4 | 18,700* | 33.4 | 225.3 | 19,800* | 38.0 | 235.5 | 18,200 | 42.0 | 242.8 | 15,900 | 45.5 | 247.6 | 13,700 | | | | 200 |
| 205 | 20.6 | 188.0 | 15,900* | 27.4 | 208.2 | 17,700* | 30.7 | 217.2 | 18,800* | 35.6 | 228.7 | 17,300 | 39.8 | 236.9 | 15,100 | 43.5 | 242.5 | 13,000 | | | | 205 |
| 210 | 16.0 | 172.5 | 14,900* | 24.0 | 197.6 | 16,800* | 27.8 | 208.1 | 17,800* | 33.0 | 221.3 | 16,500 | 37.4 | 230.6 | 14,300 | 41.3 | 236.9 | 12,200 | 46.8 | 245.8 | 10,900 | 210 |
| 215 | 9.2 | 149.5 | 13,300* | 20.2 | 185.1 | 15,800* | 24.5 | 197.7 | 16,900* | 30.2 | 213.0 | 15,700 | 35.0 | 223.7 | 13,600 | 39.1 | 230.9 | 11,500 | 42.7 | 235.5 | 9,500 | 215 |
| 220 | | | | 15.4 | 169.1 | 14,900* | 20.7 | 185.5 | 16,000* | 27.2 | 203.8 | 14,900 | 32.4 | 216.1 | 12,800 | 36.8 | 224.4 | 10,800 | | | | 220 |
| 225 | | | | 8.1 | 144.2 | 13,800* | 16.0 | 170.0 | 15,000* | 23.8 | 193.1 | 14,100 | 29.6 | 207.6 | 12,200 | 34.3 | 217.3 | 10,200 | 46.8 | 245.8 | 10,900 | 225 |
| 230 | | | | | | | 9.3 | 147.1 | 14,000* | 19.9 | 180.5 | 13,400 | 26.5 | 198.1 | 11,500 | 31.6 | 209.5 | 9,600 | 38.2 | 223.7 | 8,300 | 230 |
| 235 | | | | | | | | | | 15.1 | 164.3 | 12,700 | 23.0 | 187.1 | 10,800 | 28.7 | 200.8 | 9,000 | 35.9 | 216.9 | 7,800 | 235 |
| 240 | | | | | | | | | | 7.5 | 138.4 | 12,000 | 19.0 | 173.8 | 10,200 | 25.5 | 190.9 | 8,400 | 33.3 | 209.6 | 7,200 | 240 |
| 245 | | | | | | | | | | | | | 13.8 | 156.3 | 9,600 | 21.9 | 179.3 | 7,900 | 30.6 | 201.5 | 6,700 | 245 |
| 250 | | | | | | | | | | | | | 4.2 | 123.3 | 8,900 | 17.6 | 165.1 | 7,300 | 24.3 | 181.9 | 5,700 | 250 |
| 255 | | | | | | | | | | | | | | | | 11.8 | 145.5 | 6,800 | 20.4 | 169.5 | 5,200 | 255 |
| 260 | | | | | | | | | | | | | | | | | | | 15.7 | 153.8 | 4,700 | 260 |
| 265 | | | | | | | | | | | | | | | | | | | 8.8 | 130.0 | 4,200 | 265 |

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

DESIGNED AND TESTED
WITH THE INTENT TO BE
THE SCOPE OF ANSI B30.5

M-250 SERIES 2

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING**

115 FT. BOOM, 70 FT. JIB

| JIB OPER. RAD. FEET | 88 DEGREE BOOM ANGLE | | | 83 DEGREE BOOM ANGLE | | | 80 DEGREE BOOM ANGLE | | | 75 DEGREE BOOM ANGLE | | | 70 DEGREE BOOM ANGLE | | | 65 DEGREE BOOM ANGLE | | | 60 DEGREE BOOM ANGLE | | | JIB OPER. RAD. FEET |
|------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|------------------------------|
| | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | |
| 50 | 63.6 | 190.8 | 124,300*b | | | | | | | | | | | | | | | | | | | 50 |
| 55 | 58.9 | 188.0 | 116,800*b | | | | | | | | | | | | | | | | | | | 55 |
| 60 | 53.9 | 184.5 | 110,200*b | 63.9 | 189.5 | 123,000*b | | | | | | | | | | | | | | | | 60 |
| 65 | 48.6 | 180.3 | 104,300* | 59.2 | 186.7 | 115,700*b | 64.9 | 188.8 | 123,800*b | | | | | | | | | | | | | 65 |
| 70 | 42.8 | 175.3 | 98,200* | 54.2 | 183.3 | 109,100*b | 60.2 | 186.1 | 116,300*b | | | | | | | | | | | | | 70 |
| 75 | 36.2 | 169.0 | 88,700* | 48.9 | 179.2 | 103,300* | 55.4 | 182.8 | 109,100b | | | | | | | | | | | | | 75 |
| 80 | 28.3 | 160.7 | 80,600* | 43.1 | 174.2 | 98,100* | 50.1 | 178.9 | 100,600 | 60.2 | 183.2 | 96,100b | | | | | | | | | | 80 |
| 85 | 17.2 | 148.1 | 73,700* | 36.6 | 168.0 | 89,200* | 44.5 | 174.1 | 93,300 | 55.4 | 180.0 | 89,100b | | | | | | | | | | 85 |
| 90 | | | | 28.8 | 159.8 | 81,100* | 38.1 | 168.2 | 86,900 | 50.1 | 176.0 | 83,000 | | | | | | | | | | 90 |
| 95 | | | | 18.0 | 147.7 | 74,200* | 30.7 | 160.6 | 81,200 | 44.5 | 171.2 | 77,600 | 55.1 | 176.1 | 73,900b | | | | | | | 95 |
| 100 | | | | | | | 20.9 | 149.7 | 75,600* | 38.1 | 165.3 | 72,700 | 49.8 | 172.1 | 69,300 | | | | | | | 100 |
| 105 | | | | | | | | | | 30.7 | 157.7 | 68,400 | 44.1 | 167.2 | 65,200 | | | | | | | 105 |
| 110 | | | | | | | | | | 20.9 | 146.9 | 64,500 | 37.7 | 161.2 | 61,500 | 49.1 | 166.9 | 58,600 | | | | 110 |
| 115 | | | | | | | | | | | | | 30.2 | 153.5 | 58,100 | 43.4 | 162.0 | 55,400 | | | | 115 |
| 120 | | | | | | | | | | | | | 20.2 | 142.4 | 55,000 | 36.9 | 155.8 | 52,400 | 47.9 | 160.6 | 49,900 | 120 |
| 125 | | | | | | | | | | | | | | | | 29.1 | 147.8 | 49,700 | 42.0 | 155.4 | 47,300 | 125 |
| 130 | | | | | | | | | | | | | | | | 18.5 | 135.9 | 47,200 | 35.3 | 148.9 | 45,000 | 130 |
| 135 | | | | | | | | | | | | | | | | | | | 27.2 | 140.3 | 42,800 | 135 |
| 140 | | | | | | | | | | | | | | | | | | | 15.3 | 126.7 | 40,700 | 140 |

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M-250 SERIES 2

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING**

115 FT. BOOM, 80 FT. JIB

| JIB OPER. RAD. FEET | 88 DEGREE BOOM ANGLE | | | 83 DEGREE BOOM ANGLE | | | 80 DEGREE BOOM ANGLE | | | 75 DEGREE BOOM ANGLE | | | 70 DEGREE BOOM ANGLE | | | 65 DEGREE BOOM ANGLE | | | 60 DEGREE BOOM ANGLE | | | JIB OPER. RAD. FEET | |
|------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|------------------------------|-----|
| | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | | |
| 50 | 67.1 | 201.9 | 120,900*b | | | | | | | | | | | | | | | | | | | 50 | |
| 55 | 63.2 | 199.5 | 113,700*b | | | | | | | | | | | | | | | | | | | 55 | |
| 60 | 59.0 | 196.6 | 107,200*b | 67.4 | 200.6 | 119,800*b | | | | | | | | | | | | | | | | 60 | |
| 65 | 54.7 | 193.2 | 101,500* | 63.4 | 198.2 | 112,700*b | | | | | | | | | | | | | | | | 65 | |
| 70 | 50.1 | 189.3 | 96,300* | 59.3 | 195.4 | 106,300*b | 64.3 | 197.5 | 113,200*b | | | | | | | | | | | | | 70 | |
| 75 | 45.2 | 184.6 | 89,000* | 55.0 | 192.0 | 100,600* | 60.2 | 194.8 | 106,900*b | | | | | | | | | | | | | 75 | |
| 80 | 39.8 | 178.9 | 80,900* | 50.4 | 188.1 | 95,600* | 56.0 | 191.5 | 100,200 | | | | | | | | | | | | | 80 | |
| 85 | 33.7 | 172.0 | 74,000* | 45.5 | 183.4 | 89,600* | 51.5 | 187.7 | 92,900 | 60.2 | 191.9 | 88,500b | | | | | | | | | | 85 | |
| 90 | 26.3 | 163.0 | 68,100* | 40.2 | 177.9 | 81,400* | 46.6 | 183.2 | 86,500 | 56.0 | 188.7 | 82,400 | | | | | | | | | | 90 | |
| 95 | 16.0 | 149.5 | 62,900* | 34.1 | 171.0 | 74,400* | 41.4 | 177.9 | 80,800 | 51.5 | 184.9 | 77,000 | | | | | | | | | | 95 | |
| 100 | | | | 26.8 | 162.2 | 68,400* | 35.5 | 171.4 | 75,800 | 46.6 | 180.4 | 72,300 | 55.7 | 184.8 | 68,700 | | | | | | | | 100 |
| 105 | | | | 16.8 | 149.1 | 63,200* | 28.6 | 163.1 | 69,700* | 41.4 | 175.1 | 68,000 | 51.2 | 180.9 | 64,700 | | | | | | | | 105 |
| 110 | | | | | | | 19.5 | 151.4 | 64,300* | 35.5 | 168.6 | 64,100 | 46.4 | 176.4 | 61,000 | | | | | | | | 110 |
| 115 | | | | | | | | | | 28.6 | 160.3 | 60,600 | 41.1 | 171.0 | 57,600 | 50.6 | 175.8 | 54,700 | | | | | 115 |
| 120 | | | | | | | | | | 19.5 | 148.6 | 57,300 | 35.2 | 164.4 | 54,600 | 45.7 | 171.2 | 51,900 | | | | | 120 |
| 125 | | | | | | | | | | | | | 28.2 | 156.0 | 51,800 | 40.4 | 165.7 | 49,200 | | | | | 125 |
| 130 | | | | | | | | | | | | | 18.8 | 144.0 | 49,200 | 34.3 | 158.9 | 46,800 | 44.6 | 164.8 | 44,400 | | 130 |
| 135 | | | | | | | | | | | | | | | | 27.1 | 150.2 | 44,500 | 39.1 | 159.0 | 42,200 | | 135 |
| 140 | | | | | | | | | | | | | | | | 17.2 | 137.3 | 42,400 | 32.9 | 151.9 | 40,300 | | 140 |
| 145 | | | | | | | | | | | | | | | | | | | 25.3 | 142.6 | 38,400 | | 145 |
| 150 | | | | | | | | | | | | | | | | | | | 14.2 | 127.9 | 36,600 | | 150 |

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LIFTCRANE LUFFING JIB CAPACITIES

DESIGNED AND TESTED
WITH THE INTENT TO BE
THE SCOPE OF ANSI B30.5

M-250 SERIES 2

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING**

115 FT. BOOM, 90 FT. JIB

| JIB OPER. RAD. FEET | 88 DEGREE BOOM ANGLE | | | 83 DEGREE BOOM ANGLE | | | 80 DEGREE BOOM ANGLE | | | 75 DEGREE BOOM ANGLE | | | 70 DEGREE BOOM ANGLE | | | 65 DEGREE BOOM ANGLE | | | 60 DEGREE BOOM ANGLE | | | JIB OPER. RAD. FEET |
|------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|------------------------------|
| | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | |
| 50 | 69.8 | 212.7 | 117,900*b | | | | | | | | | | | | | | | | | | | 50 |
| 55 | 66.4 | 210.6 | 110,900*b | | | | | | | | | | | | | | | | | | | 55 |
| 60 | 62.8 | 208.2 | 104,700* | 70.0 | 211.4 | 116,800*b | | | | | | | | | | | | | | | | 60 |
| 65 | 59.1 | 205.3 | 99,100* | 66.6 | 209.3 | 110,000*b | | | | | | | | | | | | | | | | 65 |
| 70 | 55.3 | 202.0 | 94,000* | 63.0 | 206.9 | 103,800* | 67.3 | 208.5 | 110,600*b | | | | | | | | | | | | | 70 |
| 75 | 51.3 | 198.1 | 89,300* | 59.4 | 204.0 | 98,300* | 63.8 | 206.2 | 104,300*b | | | | | | | | | | | | | 75 |
| 80 | 47.0 | 193.7 | 81,100* | 55.6 | 200.7 | 93,400* | 60.2 | 203.4 | 98,800* | | | | | | | | | | | | | 80 |
| 85 | 42.5 | 188.5 | 74,200* | 51.6 | 196.9 | 88,800* | 56.4 | 200.2 | 92,500 | | | | | | | | | | | | | 85 |
| 90 | 37.4 | 182.3 | 68,200* | 47.3 | 192.5 | 81,600* | 52.5 | 196.5 | 86,100 | 60.2 | 200.6 | 82,000 | | | | | | | | | | 90 |
| 95 | 31.7 | 174.9 | 63,000* | 42.7 | 187.4 | 74,600* | 48.3 | 192.3 | 80,500 | 56.4 | 197.4 | 76,600 | | | | | | | | | | 95 |
| 100 | 24.8 | 165.2 | 58,500* | 37.7 | 181.3 | 68,600* | 43.8 | 187.3 | 75,500 | 52.5 | 193.7 | 71,900 | | | | | | | | | | 100 |
| 105 | 15.0 | 150.7 | 54,400* | 32.1 | 173.9 | 63,400* | 38.9 | 181.5 | 69,900* | 48.3 | 189.4 | 67,600 | 56.2 | 193.5 | 64,200 | | | | | | | 105 |
| 110 | | | | 25.2 | 164.4 | 58,800* | 33.4 | 174.4 | 64,500* | 43.8 | 184.5 | 63,800 | 52.2 | 189.8 | 60,600 | | | | | | | 110 |
| 115 | | | | 15.8 | 150.5 | 54,700* | 26.9 | 165.5 | 59,800* | 38.9 | 178.6 | 60,300 | 48.0 | 185.5 | 57,300 | | | | | | | 115 |
| 120 | | | | | | | 18.3 | 153.0 | 55,600* | 33.4 | 171.6 | 57,100 | 43.5 | 180.5 | 54,200 | 51.7 | 184.7 | 51,400 | | | | 120 |
| 125 | | | | | | | | | | 26.9 | 162.7 | 54,200 | 38.6 | 174.5 | 51,500 | 47.5 | 180.3 | 48,800 | | | | 125 |
| 130 | | | | | | | | | | 18.3 | 150.1 | 51,500 | 33.0 | 167.4 | 48,900 | 42.9 | 175.2 | 46,400 | | | | 130 |
| 135 | | | | | | | | | | | | | 26.5 | 158.4 | 46,600 | 37.9 | 169.2 | 44,200 | 46.5 | 173.9 | 41,800 | 135 |
| 140 | | | | | | | | | | | | | 17.7 | 145.5 | 44,400 | 32.3 | 161.8 | 42,100 | 41.9 | 168.6 | 39,900 | 140 |
| 145 | | | | | | | | | | | | | | | | 25.5 | 152.4 | 40,200 | 36.8 | 162.4 | 38,000 | 145 |
| 150 | | | | | | | | | | | | | | | | 16.2 | 138.7 | 38,300 | 30.9 | 154.7 | 36,300 | 150 |
| 155 | | | | | | | | | | | | | | | | | | | 23.8 | 144.7 | 34,700 | 155 |
| 160 | | | | | | | | | | | | | | | | | | | 13.4 | 129.0 | 33,200 | 160 |

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FOLD UNDER LUFFING JIB NO. 133A ON
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360 DEGREE RATING**

115 FT. BOOM, 100 FT. JIB

| JIB OPER. RAD. FEET | 88 DEGREE BOOM ANGLE | | | 83 DEGREE BOOM ANGLE | | | 80 DEGREE BOOM ANGLE | | | 75 DEGREE BOOM ANGLE | | | 70 DEGREE BOOM ANGLE | | | 65 DEGREE BOOM ANGLE | | | 60 DEGREE BOOM ANGLE | | | JIB OPER. RAD. FEET |
|---------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|---------------------|
| | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | |
| 50 | 71.9 | 223.3 | 114,500*b | | | | | | | | | | | | | | | | | | | 50 |
| 55 | 68.9 | 221.5 | 107,800*b | | | | | | | | | | | | | | | | | | | 55 |
| 60 | 65.7 | 219.3 | 101,900* | | | | | | | | | | | | | | | | | | | 60 |
| 65 | 62.5 | 216.8 | 96,500* | 69.0 | 220.2 | 107,000*b | | | | | | | | | | | | | | | | 65 |
| 70 | 59.2 | 213.9 | 91,600* | 65.9 | 218.0 | 101,100* | | | | | | | | | | | | | | | | 70 |
| 75 | 55.8 | 210.7 | 87,100* | 62.7 | 215.5 | 95,800* | 66.6 | 217.2 | 101,600* | | | | | | | | | | | | | 75 |
| 80 | 52.2 | 206.9 | 81,000* | 59.4 | 212.7 | 91,000* | 63.4 | 214.8 | 96,300* | | | | | | | | | | | | | 80 |
| 85 | 48.5 | 202.7 | 74,000* | 56.0 | 209.5 | 86,600* | 60.2 | 212.1 | 91,400* | | | | | | | | | | | | | 85 |
| 90 | 44.5 | 197.8 | 68,000* | 52.5 | 205.8 | 81,500* | 56.8 | 208.9 | 85,600 | | | | | | | | | | | | | 90 |
| 95 | 40.2 | 192.2 | 62,800* | 48.7 | 201.5 | 74,400* | 53.3 | 205.3 | 80,000 | 60.2 | 209.2 | 76,000 | | | | | | | | | | 95 |
| 100 | 35.4 | 185.5 | 58,300* | 44.7 | 196.7 | 68,400* | 49.6 | 201.2 | 75,000 | 56.8 | 206.1 | 71,300 | | | | | | | | | | 100 |
| 105 | 30.0 | 177.5 | 54,200* | 40.4 | 191.1 | 63,200* | 45.6 | 196.5 | 69,700* | 53.3 | 202.5 | 67,100 | | | | | | | | | | 105 |
| 110 | 23.4 | 167.3 | 50,600* | 35.7 | 184.6 | 58,600* | 41.4 | 191.1 | 64,300* | 49.6 | 198.4 | 63,200 | 56.6 | 202.2 | 60,000 | | | | | | | 110 |
| 115 | 14.2 | 151.9 | 47,400* | 30.3 | 176.6 | 54,500* | 36.8 | 184.8 | 59,600* | 45.6 | 193.7 | 59,800 | 53.1 | 198.5 | 56,700 | | | | | | | 115 |
| 120 | | | | 23.9 | 166.5 | 50,900* | 31.6 | 177.2 | 55,400* | 41.4 | 188.3 | 56,600 | 49.3 | 194.4 | 53,700 | | | | | | | 120 |
| 125 | | | | 14.9 | 151.7 | 47,600* | 25.4 | 167.8 | 51,700* | 36.8 | 182.0 | 53,700 | 45.4 | 189.7 | 50,900 | 52.6 | 193.5 | 48,200 | | | | 125 |
| 130 | | | | | | | 17.3 | 154.5 | 48,300* | 31.6 | 174.4 | 51,100 | 41.2 | 184.2 | 48,400 | 48.8 | 189.3 | 45,800 | | | | 130 |
| 135 | | | | | | | | | | 25.4 | 164.9 | 48,600 | 36.5 | 177.9 | 46,100 | 44.9 | 184.5 | 43,600 | | | | 135 |
| 140 | | | | | | | | | | 17.3 | 151.6 | 46,300 | 31.3 | 170.2 | 43,900 | 40.6 | 178.9 | 41,500 | 48.0 | 183.0 | 39,200 | 140 |
| 145 | | | | | | | | | | | | | 25.0 | 160.6 | 41,900 | 35.9 | 172.4 | 39,700 | 44.0 | 178.0 | 37,400 | 145 |
| 150 | | | | | | | | | | | | | 16.7 | 146.9 | 40,000 | 30.5 | 164.6 | 37,900 | 39.6 | 172.3 | 35,800 | 150 |
| 155 | | | | | | | | | | | | | | | | 24.1 | 154.6 | 36,200 | 34.8 | 165.5 | 34,200 | 155 |
| 160 | | | | | | | | | | | | | | | | 15.3 | 140.0 | 34,600 | 29.3 | 157.3 | 32,700 | 160 |
| 165 | | | | | | | | | | | | | | | | | | | 22.5 | 146.6 | 31,300 | 165 |
| 170 | | | | | | | | | | | | | | | | | | | 12.6 | 130.1 | 30,000 | 170 |

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

DESIGNED AND TESTED
WITH THE INTENT TO BE
THE SCOPE OF ANSI B30.5

M-250 SERIES 2

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING**

115 FT. BOOM, 110 FT. JIB

| JIB OPER. RAD. FEET | 88 DEGREE BOOM ANGLE | | | 83 DEGREE BOOM ANGLE | | | 80 DEGREE BOOM ANGLE | | | 75 DEGREE BOOM ANGLE | | | 70 DEGREE BOOM ANGLE | | | 65 DEGREE BOOM ANGLE | | | 60 DEGREE BOOM ANGLE | | | JIB OPER. RAD. FEET |
|------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|------------------------------|
| | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | |
| 50 | 73.6 | 233.9 | 110,800*b | | | | | | | | | | | | | | | | | | | 50 |
| 55 | 70.9 | 232.2 | 104,500*b | | | | | | | | | | | | | | | | | | | 55 |
| 60 | 68.1 | 230.2 | 98,900* | | | | | | | | | | | | | | | | | | | 60 |
| 65 | 65.2 | 228.0 | 93,700* | 71.0 | 230.9 | 103,700*b | | | | | | | | | | | | | | | | 65 |
| 70 | 62.3 | 225.5 | 89,100* | 68.2 | 228.9 | 98,200* | | | | | | | | | | | | | | | | 70 |
| 75 | 59.3 | 222.6 | 84,800* | 65.4 | 226.7 | 93,200* | | | | | | | | | | | | | | | | 75 |
| 80 | 56.2 | 219.4 | 80,900* | 62.5 | 224.2 | 88,600* | 66.0 | 226.0 | 93,600* | | | | | | | | | | | | | 80 |
| 85 | 53.0 | 215.7 | 76,100* | 59.5 | 221.4 | 84,400* | 63.1 | 223.5 | 89,000* | | | | | | | | | | | | | 85 |
| 90 | 49.6 | 211.6 | 69,900* | 56.4 | 218.1 | 80,600* | 60.2 | 220.7 | 84,800* | | | | | | | | | | | | | 90 |
| 95 | 46.1 | 207.0 | 64,500* | 53.2 | 214.5 | 76,600* | 57.1 | 217.6 | 79,500 | | | | | | | | | | | | | 95 |
| 100 | 42.3 | 201.7 | 59,800* | 49.8 | 210.5 | 70,300* | 53.9 | 214.1 | 74,600 | 60.2 | 217.9 | 70,800 | | | | | | | | | | 100 |
| 105 | 38.2 | 195.7 | 55,700* | 46.3 | 205.9 | 64,900* | 50.6 | 210.1 | 70,100 | 57.1 | 214.8 | 66,600 | | | | | | | | | | 105 |
| 110 | 33.7 | 188.6 | 52,000* | 42.5 | 200.6 | 60,100* | 47.1 | 205.6 | 66,000* | 53.9 | 211.2 | 62,800 | | | | | | | | | | 110 |
| 115 | 28.5 | 180.1 | 48,700* | 38.4 | 194.6 | 55,900* | 43.4 | 200.6 | 61,100* | 50.6 | 207.3 | 59,300 | 56.9 | 210.9 | 56,100 | | | | | | | 115 |
| 120 | 22.3 | 169.2 | 45,700* | 34.0 | 187.6 | 52,200* | 39.4 | 194.7 | 56,800* | 47.1 | 202.8 | 56,200 | 53.7 | 207.3 | 53,200 | | | | | | | 120 |
| 125 | 13.5 | 153.1 | 42,100* | 28.9 | 179.2 | 48,900* | 35.0 | 188.0 | 53,000* | 43.4 | 197.7 | 53,300 | 50.4 | 203.3 | 50,400 | | | | | | | 125 |
| 130 | | | | 22.7 | 168.5 | 45,900* | 30.1 | 179.9 | 49,600* | 39.4 | 191.9 | 50,700 | 46.9 | 198.8 | 47,900 | | | | | | | 130 |
| 135 | | | | 14.2 | 152.9 | 43,100* | 24.2 | 169.9 | 46,500* | 35.0 | 185.1 | 48,200 | 43.1 | 193.7 | 45,600 | 49.9 | 198.2 | 43,100 | | | | 135 |
| 140 | | | | | | | 16.5 | 155.9 | 43,700* | 30.1 | 177.1 | 46,000 | 39.1 | 187.8 | 43,500 | 46.4 | 193.6 | 41,100 | | | | 140 |
| 145 | | | | | | | | | | 24.2 | 167.0 | 43,900 | 34.7 | 181.0 | 41,500 | 42.6 | 188.4 | 39,200 | | | | 145 |
| 150 | | | | | | | | | | 16.5 | 153.0 | 41,900 | 29.7 | 172.9 | 39,700 | 38.6 | 182.5 | 37,400 | 45.6 | 187.2 | 35,300 | 150 |
| 155 | | | | | | | | | | | | | 23.8 | 162.7 | 37,900 | 34.1 | 175.5 | 35,800 | 41.8 | 181.9 | 33,700 | 155 |
| 160 | | | | | | | | | | | | | 15.9 | 148.3 | 36,300 | 29.1 | 167.1 | 34,300 | 37.7 | 175.7 | 32,300 | 160 |
| 165 | | | | | | | | | | | | | | | | 23.0 | 156.6 | 32,800 | 33.1 | 168.5 | 30,900 | 165 |
| 170 | | | | | | | | | | | | | | | | 14.6 | 141.3 | 31,400 | 27.8 | 159.8 | 29,600 | 170 |
| 175 | | | | | | | | | | | | | | | | | | | 21.4 | 148.5 | 28,400 | 175 |
| 180 | | | | | | | | | | | | | | | | | | | 12.0 | 131.1 | 27,200 | 180 |

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

DESIGNED AND TESTED
WITH THE INTENT TO BE
THE SCOPE OF ANSI B30.5

M-250 SERIES 2

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING**

115 FT. BOOM, 120 FT. JIB

| JIB OPER. RAD. FEET | 88 DEGREE BOOM ANGLE | | | 83 DEGREE BOOM ANGLE | | | 80 DEGREE BOOM ANGLE | | | 75 DEGREE BOOM ANGLE | | | 70 DEGREE BOOM ANGLE | | | 65 DEGREE BOOM ANGLE | | | 60 DEGREE BOOM ANGLE | | | JIB OPER. RAD. FEET |
|------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|------------------------------|
| | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | |
| 50 | 75.0 | 244.3 | 107,400* | | | | | | | | | | | | | | | | | | | 50 |
| 55 | 72.5 | 242.8 | 101,500* | | | | | | | | | | | | | | | | | | | 55 |
| 60 | 70.0 | 241.0 | 96,100* | | | | | | | | | | | | | | | | | | | 60 |
| 65 | 67.4 | 239.0 | 91,200* | | | | | | | | | | | | | | | | | | | 65 |
| 70 | 64.8 | 236.7 | 86,800* | 70.1 | 239.7 | 95,400* | | | | | | | | | | | | | | | | 70 |
| 75 | 62.1 | 234.1 | 82,700* | 67.6 | 237.7 | 90,700* | | | | | | | | | | | | | | | | 75 |
| 80 | 59.4 | 231.3 | 78,900* | 65.0 | 235.4 | 86,300* | | | | | | | | | | | | | | | | 80 |
| 85 | 56.5 | 228.1 | 75,400* | 62.3 | 232.9 | 82,300* | 65.5 | 234.7 | 86,600* | | | | | | | | | | | | | 85 |
| 90 | 53.6 | 224.5 | 69,500* | 59.5 | 230.0 | 78,600* | 62.9 | 232.2 | 82,600* | | | | | | | | | | | | | 90 |
| 95 | 50.5 | 220.5 | 64,100* | 56.7 | 226.8 | 75,100* | 60.1 | 229.4 | 78,800* | | | | | | | | | | | | | 95 |
| 100 | 47.3 | 216.1 | 59,400* | 53.8 | 223.3 | 69,900* | 57.3 | 226.3 | 74,100 | 62.9 | 229.3 | 70,200 | | | | | | | | | | 100 |
| 105 | 44.0 | 211.1 | 55,300* | 50.7 | 219.3 | 64,500* | 54.4 | 222.8 | 69,700 | 60.1 | 226.5 | 66,000 | | | | | | | | | | 105 |
| 110 | 40.4 | 205.4 | 51,600* | 47.5 | 214.9 | 59,700* | 51.4 | 219.0 | 65,600* | 57.3 | 223.4 | 62,200 | | | | | | | | | | 110 |
| 115 | 36.5 | 199.0 | 48,200* | 44.2 | 209.9 | 55,500* | 48.3 | 214.6 | 60,800* | 54.4 | 220.0 | 58,800 | | | | | | | | | | 115 |
| 120 | 32.2 | 191.5 | 45,200* | 40.6 | 204.3 | 51,800* | 44.9 | 209.8 | 56,400* | 51.4 | 216.1 | 55,700 | 57.2 | 219.5 | 52,600 | | | | | | | 120 |
| 125 | 27.3 | 182.5 | 42,500* | 36.7 | 198.0 | 48,500* | 41.4 | 204.4 | 52,600* | 48.3 | 211.8 | 52,800 | 54.3 | 216.1 | 49,900 | | | | | | | 125 |
| 130 | 21.3 | 171.1 | 40,100* | 32.4 | 190.5 | 45,400* | 37.6 | 198.2 | 49,200* | 44.9 | 207.0 | 50,200 | 51.2 | 212.2 | 47,400 | | | | | | | 130 |
| 135 | 12.9 | 154.2 | 37,100* | 27.6 | 181.7 | 42,700* | 33.4 | 191.0 | 46,100* | 41.4 | 201.5 | 47,800 | 48.1 | 207.8 | 45,100 | | | | | | | 135 |
| 140 | | | | 21.7 | 170.4 | 40,200* | 28.7 | 182.5 | 43,300* | 37.6 | 195.3 | 45,500 | 44.7 | 203.0 | 43,000 | 50.8 | 207.1 | 40,500 | | | | 140 |
| 145 | | | | 13.5 | 154.1 | 37,900* | 23.1 | 171.9 | 40,800* | 33.4 | 188.1 | 43,500 | 41.2 | 197.5 | 41,000 | 47.7 | 202.7 | 38,600 | | | | 145 |
| 150 | | | | | | | 15.7 | 157.2 | 38,400* | 28.7 | 179.6 | 41,500 | 37.4 | 191.2 | 39,200 | 44.3 | 197.7 | 36,900 | | | | 150 |
| 155 | | | | | | | | | | 23.1 | 169.1 | 39,700 | 33.2 | 184.0 | 37,500 | 40.7 | 192.2 | 35,300 | 46.9 | 196.3 | 33,100 | 155 |
| 160 | | | | | | | | | | 15.7 | 154.4 | 38,000 | 28.4 | 175.4 | 35,900 | 36.9 | 185.8 | 33,800 | 43.5 | 191.3 | 31,700 | 160 |
| 165 | | | | | | | | | | | | | 22.8 | 164.7 | 34,400 | 32.6 | 178.4 | 32,300 | 39.9 | 185.5 | 30,300 | 165 |
| 170 | | | | | | | | | | | | | 15.2 | 149.6 | 32,900 | 27.8 | 169.6 | 31,000 | 36.0 | 179.0 | 29,100 | 170 |
| 175 | | | | | | | | | | | | | | | | 21.9 | 158.5 | 29,700 | 31.6 | 171.3 | 27,900 | 175 |
| 180 | | | | | | | | | | | | | | | | 13.9 | 142.5 | 28,500 | 26.6 | 162.1 | 26,700 | 180 |
| 185 | | | | | | | | | | | | | | | | | | | 20.5 | 150.3 | 25,700 | 185 |
| 190 | | | | | | | | | | | | | | | | | | | 11.5 | 132.1 | 24,600 | 190 |

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

DESIGNED AND TESTED
WITH THE INTENT TO BE
THE SCOPE OF ANSI B30.5

M-250 SERIES 2

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING**

115 FT. BOOM, 130 FT. JIB

| JIB OPER. RAD. FEET | 88 DEGREE BOOM ANGLE | | | 83 DEGREE BOOM ANGLE | | | 80 DEGREE BOOM ANGLE | | | 75 DEGREE BOOM ANGLE | | | 70 DEGREE BOOM ANGLE | | | 65 DEGREE BOOM ANGLE | | | 60 DEGREE BOOM ANGLE | | | JIB OPER. RAD. FEET |
|------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|------------------------------|
| | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | |
| 55 | 73.9 | 253.2 | 98,700* | | | | | | | | | | | | | | | | | | 55 | |
| 60 | 71.6 | 251.6 | 93,600* | | | | | | | | | | | | | | | | | | 60 | |
| 65 | 69.2 | 249.8 | 89,000* | | | | | | | | | | | | | | | | | | 65 | |
| 70 | 66.9 | 247.7 | 84,700* | | | | | | | | | | | | | | | | | | 70 | |
| 75 | 64.4 | 245.4 | 80,800* | 69.4 | 248.5 | 88,400* | | | | | | | | | | | | | | | 75 | |
| 80 | 62.0 | 242.8 | 77,100* | 67.0 | 246.4 | 84,200* | | | | | | | | | | | | | | | 80 | |
| 85 | 59.4 | 239.9 | 73,800* | 64.6 | 244.1 | 80,400* | 67.5 | 245.6 | 84,400* | | | | | | | | | | | | 85 | |
| 90 | 56.8 | 236.8 | 69,400* | 62.1 | 241.5 | 76,800* | 65.1 | 243.4 | 80,600* | | | | | | | | | | | | 90 | |
| 95 | 54.1 | 233.2 | 64,000* | 59.6 | 238.7 | 73,500* | 62.7 | 240.8 | 77,000* | | | | | | | | | | | | 95 | |
| 100 | 51.3 | 229.4 | 59,300* | 57.0 | 235.5 | 69,800* | 60.1 | 238.1 | 73,700* | | | | | | | | | | | | 100 | |
| 105 | 48.4 | 225.0 | 55,100* | 54.3 | 232.0 | 64,400* | 57.5 | 235.0 | 69,400 | 62.7 | 238.0 | 65,800 | | | | | | | | | 105 | |
| 110 | 45.4 | 220.3 | 51,400* | 51.5 | 228.2 | 59,600* | 54.9 | 231.5 | 65,400 | 60.1 | 235.2 | 62,000 | | | | | | | | | 110 | |
| 115 | 42.1 | 214.9 | 48,100* | 48.6 | 223.9 | 55,400* | 52.1 | 227.8 | 60,600* | 57.5 | 232.1 | 58,500 | | | | | | | | | 115 | |
| 120 | 38.7 | 209.0 | 45,100* | 45.5 | 219.1 | 51,700* | 49.2 | 223.6 | 56,300* | 54.9 | 228.7 | 55,400 | | | | | | | | | 120 | |
| 125 | 35.0 | 202.1 | 42,400* | 42.3 | 213.9 | 48,300* | 46.2 | 219.0 | 52,500* | 52.1 | 224.9 | 52,600 | 57.4 | 228.2 | 49,600 | | | | | | 125 | |
| 130 | 30.9 | 194.2 | 39,900* | 38.9 | 207.9 | 45,300* | 43.1 | 213.8 | 49,100* | 49.2 | 220.7 | 50,000 | 54.7 | 224.8 | 47,200 | | | | | | 130 | |
| 135 | 26.1 | 184.8 | 37,700* | 35.2 | 201.1 | 42,600* | 39.7 | 208.0 | 46,000* | 46.2 | 216.1 | 47,600 | 51.9 | 221.0 | 44,900 | | | | | | 135 | |
| 140 | 20.4 | 172.9 | 35,600* | 31.1 | 193.3 | 40,100* | 36.1 | 201.4 | 43,200* | 43.1 | 210.9 | 45,400 | 49.1 | 216.8 | 42,800 | | | | | | 140 | |
| 145 | 12.4 | 155.2 | 33,000* | 26.5 | 184.0 | 37,800* | 32.1 | 193.9 | 40,700* | 39.7 | 205.1 | 43,300 | 46.1 | 212.1 | 40,800 | 51.6 | 215.9 | 38,400 | | | 145 | |
| 150 | | | | 20.8 | 172.3 | 35,700* | 27.5 | 184.9 | 38,300* | 36.1 | 198.6 | 41,400 | 42.9 | 206.9 | 39,000 | 48.7 | 211.7 | 36,700 | | | 150 | |
| 155 | | | | 13.0 | 155.2 | 33,800* | 22.2 | 173.9 | 36,200* | 32.1 | 191.0 | 39,600 | 39.5 | 201.1 | 37,300 | 45.7 | 206.9 | 35,100 | | | 155 | |
| 160 | | | | | | | 15.1 | 158.5 | 34,200* | 27.5 | 182.1 | 37,900 | 35.8 | 194.5 | 35,700 | 42.5 | 201.7 | 33,600 | | | 160 | |
| 165 | | | | | | | | | | 22.2 | 171.0 | 36,200* | 31.8 | 186.8 | 34,200 | 39.0 | 195.7 | 32,200 | 45.0 | 200.5 | 30,100 | 165 |
| 170 | | | | | | | | | | 15.1 | 155.7 | 34,300* | 27.3 | 177.8 | 32,800 | 35.3 | 189.0 | 30,800 | 41.7 | 195.1 | 28,900 | 170 |
| 175 | | | | | | | | | | | | | 21.8 | 166.6 | 31,500 | 31.3 | 181.2 | 29,600 | 38.3 | 189.0 | 27,700 | 175 |
| 180 | | | | | | | | | | | | | 14.6 | 150.9 | 30,200 | 26.6 | 172.0 | 28,400 | 34.5 | 182.1 | 26,600 | 180 |
| 185 | | | | | | | | | | | | | | | | 21.0 | 160.3 | 27,300 | 30.3 | 174.0 | 25,500 | 185 |
| 190 | | | | | | | | | | | | | | | | 13.3 | 143.6 | 26,200 | 25.5 | 164.4 | 24,500 | 190 |
| 195 | | | | | | | | | | | | | | | | | | | 19.6 | 152.0 | 23,500 | 195 |
| 200 | | | | | | | | | | | | | | | | | | | 11.0 | 133.0 | 22,600 | 200 |

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

DESIGNED AND TESTED
WITH THE INTENT TO BE
THE SCOPE OF ANSI B30.5

M-250 SERIES 2

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING**

115 FT. BOOM, 140 FT. JIB

| JIB OPER. RAD. FEET | 88 DEGREE BOOM ANGLE | | | 83 DEGREE BOOM ANGLE | | | 80 DEGREE BOOM ANGLE | | | 75 DEGREE BOOM ANGLE | | | 70 DEGREE BOOM ANGLE | | | 65 DEGREE BOOM ANGLE | | | 60 DEGREE BOOM ANGLE | | | JIB OPER. RAD. FEET |
|---------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|---------------------|
| | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | |
| 55 | 75.1 | 263.6 | 95,500* | | | | | | | | | | | | | | | | | | | 55 |
| 60 | 73.0 | 262.2 | 90,800* | | | | | | | | | | | | | | | | | | | 60 |
| 65 | 70.8 | 260.5 | 86,400* | | | | | | | | | | | | | | | | | | | 65 |
| 70 | 68.6 | 258.6 | 82,300* | | | | | | | | | | | | | | | | | | | 70 |
| 75 | 66.4 | 256.4 | 78,600* | 70.9 | 259.1 | 85,800* | | | | | | | | | | | | | | | | 75 |
| 80 | 64.1 | 254.1 | 75,100* | 68.7 | 257.3 | 81,800* | | | | | | | | | | | | | | | | 80 |
| 85 | 61.8 | 251.5 | 71,900* | 66.5 | 255.1 | 78,200* | | | | | | | | | | | | | | | | 85 |
| 90 | 59.5 | 248.6 | 68,900* | 64.3 | 252.8 | 74,800* | 67.0 | 254.3 | 74,100 | | | | | | | | | | | | | 90 |
| 95 | 57.0 | 245.4 | 63,600* | 62.0 | 250.2 | 71,600* | 64.8 | 252.1 | 68,900 | | | | | | | | | | | | | 95 |
| 100 | 54.5 | 242.0 | 58,900* | 59.6 | 247.3 | 67,500 | 62.5 | 249.5 | 64,300 | | | | | | | | | | | | | 100 |
| 105 | 52.0 | 238.2 | 54,700* | 57.2 | 244.2 | 63,200 | 60.1 | 246.7 | 60,200 | | | | | | | | | | | | | 105 |
| 110 | 49.3 | 234.0 | 51,000* | 54.7 | 240.8 | 59,200* | 57.7 | 243.6 | 56,500 | 62.5 | 246.7 | 51,900 | | | | | | | | | | 110 |
| 115 | 46.5 | 229.4 | 47,600* | 52.1 | 237.0 | 55,000* | 55.3 | 240.3 | 53,200 | 60.1 | 243.9 | 48,800 | | | | | | | | | | 115 |
| 120 | 43.6 | 224.3 | 44,600* | 49.5 | 232.8 | 51,200* | 52.7 | 236.6 | 50,200 | 57.7 | 240.8 | 45,900 | | | | | | | | | | 120 |
| 125 | 40.5 | 218.7 | 41,900* | 46.7 | 228.2 | 47,900* | 50.1 | 232.5 | 47,400 | 55.3 | 237.4 | 43,300 | | | | | | | | | | 125 |
| 130 | 37.2 | 212.3 | 39,500* | 43.8 | 223.2 | 44,800* | 47.3 | 228.0 | 44,800 | 52.7 | 233.7 | 41,000 | 57.6 | 236.9 | 37,200 | | | | | | | 130 |
| 135 | 33.6 | 205.2 | 37,200* | 40.7 | 217.6 | 42,100* | 44.4 | 223.1 | 42,500 | 50.1 | 229.6 | 38,800 | 55.1 | 233.5 | 35,200 | | | | | | | 135 |
| 140 | 29.7 | 196.9 | 35,100* | 37.4 | 211.3 | 39,600* | 41.4 | 217.6 | 40,300 | 47.3 | 225.2 | 36,800 | 52.6 | 229.8 | 33,300 | | | | | | | 140 |
| 145 | 25.2 | 187.0 | 33,200* | 33.9 | 204.2 | 37,400* | 38.2 | 211.5 | 38,300 | 44.4 | 220.2 | 34,900 | 49.9 | 225.7 | 31,600 | | | | | | | 145 |
| 150 | 19.7 | 174.6 | 31,500* | 29.9 | 196.0 | 35,300* | 34.7 | 204.6 | 36,400 | 41.4 | 214.7 | 33,200 | 47.2 | 221.2 | 29,900 | 52.2 | 224.7 | 26,800 | | | | 150 |
| 155 | 11.9 | 156.2 | 29,200* | 25.5 | 186.3 | 33,400* | 30.8 | 196.6 | 34,700 | 38.2 | 208.6 | 31,600 | 44.3 | 216.2 | 28,400 | 49.6 | 220.6 | 25,400 | | | | 155 |
| 160 | | | | 20.0 | 174.0 | 31,600* | 26.5 | 187.3 | 33,100 | 34.7 | 201.7 | 30,000 | 41.2 | 210.7 | 27,000 | 46.8 | 216.0 | 24,100 | | | | 160 |
| 165 | | | | 12.5 | 156.3 | 29,900* | 21.4 | 175.7 | 31,500 | 30.8 | 193.8 | 28,600 | 38.0 | 204.5 | 25,700 | 43.9 | 211.0 | 22,900 | | | | 165 |
| 170 | | | | | | | 14.5 | 159.8 | 30,000 | 26.5 | 184.4 | 27,200 | 34.5 | 197.6 | 24,500 | 40.8 | 205.4 | 21,800 | 46.2 | 209.6 | 19,100 | 170 |
| 175 | | | | | | | | | | 21.4 | 172.9 | 26,000 | 30.6 | 189.6 | 23,300 | 37.5 | 199.2 | 20,700 | 43.2 | 204.5 | 18,100 | 175 |
| 180 | | | | | | | | | | 14.5 | 156.9 | 24,700 | 26.2 | 180.1 | 22,200 | 34.0 | 192.1 | 19,600 | 40.1 | 198.8 | 17,200 | 180 |
| 185 | | | | | | | | | | | | | 21.0 | 168.4 | 21,100 | 30.1 | 183.9 | 18,700 | 36.8 | 192.4 | 16,300 | 185 |
| 190 | | | | | | | | | | | | | 14.0 | 152.1 | 20,100 | 25.6 | 174.2 | 17,700 | 33.2 | 185.1 | 15,500 | 190 |
| 195 | | | | | | | | | | | | | | | | 20.3 | 162.1 | 16,900 | 29.2 | 176.6 | 14,600 | 195 |
| 200 | | | | | | | | | | | | | | | | 12.8 | 144.7 | 16,000 | 24.6 | 166.5 | 13,900 | 200 |
| 205 | | | | | | | | | | | | | | | | | | | 18.9 | 153.7 | 13,100 | 205 |
| 210 | | | | | | | | | | | | | | | | | | | 10.6 | 133.9 | 12,300 | 210 |

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

DESIGNED AND TESTED
WITH THE INTENT TO BE
THE SCOPE OF ANSI B30.5

M-250 SERIES 2

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING**

115 FT. BOOM, 150 FT. JIB

| JIB OPER. RAD. FEET | 88 DEGREE BOOM ANGLE | | | 83 DEGREE BOOM ANGLE | | | 80 DEGREE BOOM ANGLE | | | 75 DEGREE BOOM ANGLE | | | 70 DEGREE BOOM ANGLE | | | 65 DEGREE BOOM ANGLE | | | 60 DEGREE BOOM ANGLE | | | JIB OPER. RAD. FEET |
|------------------------------|-------------------------|-------------------------------|--|-------------------------|-------------------------------|--|-------------------------|-------------------------------|--|-------------------------|-------------------------------|--|-------------------------|-------------------------------|--|-------------------------|-------------------------------|--|-------------------------|-------------------------------|--|------------------------------|
| | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | |
| 60 | 74.1 | 272.6 | 87,400* | | | | | | | | | | | | | | | | | | 60 | |
| 65 | 72.1 | 271.0 | 83,300* | | | | | | | | | | | | | | | | | | 65 | |
| 70 | 70.1 | 269.3 | 79,500* | | | | | | | | | | | | | | | | | | 70 | |
| 75 | 68.0 | 267.3 | 76,000* | | | | | | | | | | | | | | | | | | 75 | |
| 80 | 66.0 | 265.2 | 72,700* | 70.2 | 268.0 | 79,000* | | | | | | | | | | | | | | | 80 | |
| 85 | 63.8 | 262.8 | 69,700* | 68.2 | 266.0 | 75,600* | | | | | | | | | | | | | | | 85 | |
| 90 | 61.7 | 260.1 | 66,800* | 66.1 | 263.9 | 72,400* | | | | | | | | | | | | | | | 90 | |
| 95 | 59.5 | 257.3 | 64,100* | 64.0 | 261.5 | 69,400* | 66.6 | 263.1 | 68,300 | | | | | | | | | | | | 95 | |
| 100 | 57.2 | 254.1 | 59,900* | 61.8 | 258.9 | 66,600* | 64.4 | 260.7 | 63,700 | | | | | | | | | | | | 100 | |
| 105 | 54.9 | 250.7 | 55,600* | 59.6 | 256.0 | 62,600 | 62.3 | 258.2 | 59,600 | | | | | | | | | | | | 105 | |
| 110 | 52.5 | 247.0 | 51,800* | 57.4 | 252.9 | 58,800 | 60.1 | 255.4 | 55,900 | | | | | | | | | | | | 110 | |
| 115 | 50.1 | 242.9 | 48,400* | 55.1 | 249.5 | 55,300 | 57.9 | 252.3 | 52,600 | 62.3 | 255.3 | 48,100 | | | | | | | | | 115 | |
| 120 | 47.5 | 238.4 | 45,300* | 52.7 | 245.8 | 52,000* | 55.6 | 249.0 | 49,500 | 60.1 | 252.5 | 45,300 | | | | | | | | | 120 | |
| 125 | 44.8 | 233.5 | 42,500* | 50.2 | 241.7 | 48,600* | 53.2 | 245.3 | 46,800 | 57.9 | 249.5 | 42,700 | | | | | | | | | 125 | |
| 130 | 42.0 | 228.2 | 40,000* | 47.7 | 237.3 | 45,500* | 50.8 | 241.3 | 44,200 | 55.6 | 246.1 | 40,300 | | | | | | | | | 130 | |
| 135 | 39.1 | 222.2 | 37,700* | 45.0 | 232.4 | 42,700* | 48.2 | 237.0 | 41,900 | 53.2 | 242.5 | 38,200 | 57.7 | 245.6 | 34,500 | | | | | | 135 | |
| 140 | 35.9 | 215.6 | 35,600* | 42.2 | 227.1 | 40,100* | 45.6 | 232.2 | 39,800 | 50.8 | 238.5 | 36,200 | 55.4 | 242.2 | 32,600 | | | | | | 140 | |
| 145 | 32.5 | 208.1 | 33,600* | 39.3 | 221.2 | 37,800* | 42.8 | 227.0 | 37,800 | 48.2 | 234.2 | 34,300 | 53.1 | 238.5 | 30,900 | | | | | | 145 | |
| 150 | 28.6 | 199.4 | 31,800* | 36.1 | 214.6 | 35,700* | 39.9 | 221.2 | 35,900 | 45.6 | 229.4 | 32,600 | 50.6 | 234.5 | 29,300 | | | | | | 150 | |
| 155 | 24.3 | 189.2 | 30,100* | 32.7 | 207.1 | 33,700* | 36.8 | 214.8 | 34,200 | 42.8 | 224.2 | 31,000 | 48.1 | 230.2 | 27,800 | 52.8 | 233.5 | 24,700 | | | 155 | |
| 160 | 19.0 | 176.2 | 28,600* | 28.9 | 198.6 | 31,900* | 33.5 | 207.6 | 32,500 | 39.9 | 218.4 | 29,500 | 45.5 | 225.4 | 26,400 | 50.3 | 229.5 | 23,500 | | | 160 | |
| 165 | 11.5 | 157.2 | 25,200* | 24.6 | 188.4 | 30,200* | 29.8 | 199.3 | 31,000 | 36.8 | 212.0 | 28,000 | 42.7 | 220.1 | 25,100 | 47.8 | 225.0 | 22,200 | | | 165 | |
| 170 | | | | 19.3 | 175.7 | 28,700* | 25.6 | 189.6 | 29,600 | 33.5 | 204.7 | 26,700 | 39.8 | 214.3 | 23,900 | 45.1 | 220.2 | 21,100 | | | 170 | |
| 175 | | | | 12.0 | 157.3 | 26,800* | 20.6 | 177.5 | 28,200 | 20.6 | 177.5 | 28,200 | 36.6 | 207.9 | 22,700 | 42.3 | 214.9 | 20,000 | 47.2 | 218.7 | 17,500 | |
| 180 | | | | | | | 14.0 | 161.0 | 26,900 | 25.6 | 186.7 | 24,300 | 33.3 | 200.6 | 21,600 | 39.4 | 209.0 | 19,000 | 44.5 | 213.8 | 16,500 | |
| 185 | | | | | | | | | | 20.6 | 174.7 | 23,100 | 29.5 | 192.2 | 20,600 | 36.2 | 202.4 | 18,100 | 41.7 | 208.3 | 15,700 | |
| 190 | | | | | | | | | | 14.0 | 158.1 | 22,000 | 25.3 | 182.4 | 19,600 | 32.8 | 195.0 | 17,200 | 38.7 | 202.3 | 14,800 | |
| 195 | | | | | | | | | | | | | 20.3 | 170.2 | 18,600 | 29.0 | 186.5 | 16,300 | 35.5 | 195.6 | 14,000 | |
| 200 | | | | | | | | | | | | | 13.5 | 153.2 | 17,700 | 24.7 | 176.4 | 15,500 | 32.0 | 188.0 | 13,300 | |
| 205 | | | | | | | | | | | | | | | | 19.5 | 163.8 | 14,700 | 28.2 | 179.1 | 12,500 | |
| 210 | | | | | | | | | | | | | | | | 12.4 | 145.8 | 13,900 | 23.7 | 168.6 | 11,800 | |
| 215 | | | | | | | | | | | | | | | | | | | 18.2 | 155.2 | 11,200 | |
| 220 | | | | | | | | | | | | | | | | | | | 10.2 | 134.8 | 10,500 | |

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LIFTCRANE LUFFING JIB CAPACITIES

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M-250 SERIES 2

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING**

115 FT. BOOM, 160 FT. JIB

| JIB OPER. RAD. FEET | 88 DEGREE BOOM ANGLE | | | 83 DEGREE BOOM ANGLE | | | 80 DEGREE BOOM ANGLE | | | 75 DEGREE BOOM ANGLE | | | 70 DEGREE BOOM ANGLE | | | 65 DEGREE BOOM ANGLE | | | 60 DEGREE BOOM ANGLE | | | JIB OPER. RAD. FEET |
|------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|------------------------------|
| | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | |
| 60 | 75.1 | 283.0 | 82,800* | | | | | | | | | | | | | | | | | | | 60 |
| 65 | 73.3 | 281.5 | 79,400* | | | | | | | | | | | | | | | | | | | 65 |
| 70 | 71.4 | 279.9 | 77,100* | | | | | | | | | | | | | | | | | | | 70 |
| 75 | 69.5 | 278.1 | 73,800* | | | | | | | | | | | | | | | | | | | 75 |
| 80 | 67.6 | 276.1 | 70,700* | | | | | | | | | | | | | | | | | | | 80 |
| 85 | 65.6 | 273.9 | 67,700* | 69.6 | 276.8 | 73,300* | | | | | | | | | | | | | | | | 85 |
| 90 | 63.6 | 271.4 | 65,000* | 67.7 | 274.8 | 70,300* | | | | | | | | | | | | | | | | 90 |
| 95 | 61.6 | 268.8 | 62,500* | 65.7 | 272.6 | 67,500* | | | | | | | | | | | | | | | | 95 |
| 100 | 59.5 | 265.9 | 59,400* | 63.7 | 270.2 | 64,800* | 66.2 | 271.8 | 63,000 | | | | | | | | | | | | | 100 |
| 105 | 57.4 | 262.8 | 55,100* | 61.7 | 267.5 | 62,000 | 64.2 | 269.4 | 58,900 | | | | | | | | | | | | | 105 |
| 110 | 55.2 | 259.4 | 51,300* | 59.6 | 264.7 | 58,200 | 62.2 | 266.8 | 55,200 | | | | | | | | | | | | | 110 |
| 115 | 53.0 | 255.7 | 47,800* | 57.5 | 261.6 | 54,700 | 60.1 | 264.0 | 51,900 | | | | | | | | | | | | | 115 |
| 120 | 50.7 | 251.7 | 44,800* | 55.4 | 258.2 | 51,500* | 58.0 | 261.0 | 48,900 | 62.2 | 264.0 | 44,500 | | | | | | | | | | 120 |
| 125 | 48.4 | 247.4 | 42,000* | 53.2 | 254.5 | 48,100* | 55.9 | 257.7 | 46,100 | 60.1 | 261.2 | 42,000 | | | | | | | | | | 125 |
| 130 | 45.9 | 242.7 | 39,400* | 50.9 | 250.6 | 45,000* | 53.7 | 254.1 | 43,600 | 58.0 | 258.1 | 39,600 | | | | | | | | | | 130 |
| 135 | 43.3 | 237.5 | 37,100* | 48.5 | 246.2 | 42,200* | 51.4 | 250.2 | 41,300 | 55.9 | 254.8 | 37,500 | | | | | | | | | | 135 |
| 140 | 40.6 | 231.9 | 35,000* | 46.1 | 241.6 | 39,600* | 49.0 | 245.9 | 39,100 | 53.7 | 251.2 | 35,500 | 57.9 | 254.2 | 31,900 | | | | | | | 140 |
| 145 | 37.8 | 225.7 | 33,100* | 43.5 | 236.4 | 37,300* | 46.6 | 241.3 | 37,100 | 51.4 | 247.3 | 33,600 | 55.7 | 250.9 | 30,200 | | | | | | | 145 |
| 150 | 34.7 | 218.7 | 31,300* | 40.8 | 230.8 | 35,200* | 44.1 | 236.3 | 35,300 | 49.0 | 243.1 | 31,900 | 53.5 | 247.3 | 28,600 | | | | | | | 150 |
| 155 | 31.4 | 210.9 | 29,600* | 37.9 | 224.6 | 33,200* | 41.4 | 230.8 | 33,600 | 46.6 | 238.5 | 30,300 | 51.3 | 243.4 | 27,100 | | | | | | | 155 |
| 160 | 27.7 | 201.9 | 28,100* | 34.9 | 217.7 | 31,400* | 38.6 | 224.8 | 32,000 | 44.1 | 233.5 | 28,800 | 48.9 | 239.1 | 25,700 | | | | | | | 160 |
| 165 | 23.5 | 191.2 | 26,600* | 31.6 | 210.0 | 29,700* | 35.6 | 218.0 | 30,400 | 41.4 | 228.0 | 27,400 | 46.5 | 234.5 | 24,400 | 51.0 | 238.3 | 21,500 | | | | 165 |
| 170 | 18.4 | 177.8 | 25,300* | 27.9 | 201.1 | 28,200* | 32.3 | 210.5 | 29,000 | 38.6 | 221.9 | 26,100 | 43.9 | 229.5 | 23,200 | 48.6 | 234.0 | 20,400 | | | | 170 |
| 175 | 11.1 | 158.2 | 22,200* | 23.8 | 190.5 | 26,700* | 28.8 | 201.9 | 27,700 | 35.6 | 215.2 | 24,800 | 41.3 | 223.9 | 22,000 | 46.1 | 229.3 | 19,300 | | | | 175 |
| 180 | | | | 18.7 | 177.3 | 25,400* | 24.7 | 191.7 | 26,400 | 32.3 | 207.6 | 23,700 | 38.4 | 217.8 | 20,900 | 43.6 | 224.2 | 18,300 | | | | 180 |
| 185 | | | | 11.6 | 158.3 | 23,700* | 19.9 | 179.3 | 25,200 | 28.8 | 199.0 | 22,500 | 35.4 | 211.1 | 19,900 | 40.9 | 218.6 | 17,400 | 45.6 | 222.9 | 14,900 | 185 |
| 190 | | | | | | | 13.5 | 162.2 | 24,000 | 24.7 | 188.9 | 21,500 | 32.2 | 203.5 | 18,900 | 38.1 | 212.5 | 16,500 | 43.0 | 217.7 | 14,100 | 190 |
| 195 | | | | | | | | | | 19.9 | 176.4 | 20,500 | 28.6 | 194.8 | 18,000 | 35.0 | 205.6 | 15,600 | 40.3 | 212.0 | 13,300 | 195 |
| 200 | | | | | | | | | | 13.5 | 159.3 | 19,500 | 24.5 | 184.5 | 17,100 | 31.7 | 197.9 | 14,800 | 37.4 | 205.7 | 12,500 | 200 |
| 205 | | | | | | | | | | | | | 19.6 | 171.9 | 16,300 | 28.1 | 189.0 | 14,000 | 34.3 | 198.7 | 11,800 | 205 |
| 210 | | | | | | | | | | | | | 13.1 | 154.3 | 15,400 | 23.9 | 178.5 | 13,300 | 31.0 | 190.7 | 11,200 | 210 |
| 215 | | | | | | | | | | | | | | | | 18.9 | 165.5 | 12,600 | 27.2 | 181.6 | 10,500 | 215 |
| 220 | | | | | | | | | | | | | | | | 12.0 | 146.8 | 11,800 | 22.9 | 170.7 | 9,900 | 220 |
| 225 | | | | | | | | | | | | | | | | | | | 17.6 | 156.8 | 9,300 | 225 |
| 230 | | | | | | | | | | | | | | | | | | | 9.8 | 135.6 | 8,600 | 230 |

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

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M-250 SERIES 2

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING**

115 FT. BOOM, 170 FT. JIB

| JIB OPER. RAD. FEET | 88 DEGREE BOOM ANGLE | | | 83 DEGREE BOOM ANGLE | | | 80 DEGREE BOOM ANGLE | | | 75 DEGREE BOOM ANGLE | | | 70 DEGREE BOOM ANGLE | | | 65 DEGREE BOOM ANGLE | | | 60 DEGREE BOOM ANGLE | | | JIB OPER. RAD. FEET |
|---------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|---------------------|
| | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | |
| 60 | 76.0 | 293.4 | 77,600* | | | | | | | | | | | | | | | | | | | 60 |
| 65 | 74.3 | 292.0 | 75,000* | | | | | | | | | | | | | | | | | | | 65 |
| 70 | 72.5 | 290.5 | 72,400* | | | | | | | | | | | | | | | | | | | 70 |
| 75 | 70.7 | 288.8 | 69,900* | | | | | | | | | | | | | | | | | | | 75 |
| 80 | 68.9 | 286.9 | 68,800* | | | | | | | | | | | | | | | | | | | 80 |
| 85 | 67.1 | 284.8 | 66,000* | 70.9 | 287.4 | 69,700* | | | | | | | | | | | | | | | | 85 |
| 90 | 65.3 | 282.6 | 63,400* | 69.1 | 285.6 | 67,200* | | | | | | | | | | | | | | | | 90 |
| 95 | 63.4 | 280.1 | 61,000* | 67.2 | 283.5 | 65,700* | | | | | | | | | | | | | | | | 95 |
| 100 | 61.5 | 277.5 | 58,600* | 65.4 | 281.3 | 63,100* | 67.6 | 282.7 | 62,600 | | | | | | | | | | | | | 100 |
| 105 | 59.5 | 274.6 | 54,800* | 63.5 | 278.8 | 60,800* | 65.8 | 280.5 | 58,500 | | | | | | | | | | | | | 105 |
| 110 | 57.6 | 271.5 | 51,000* | 61.6 | 276.2 | 57,800 | 63.9 | 278.1 | 54,900 | | | | | | | | | | | | | 110 |
| 115 | 55.5 | 268.1 | 47,500* | 59.7 | 273.3 | 54,300 | 62.0 | 275.5 | 51,500 | | | | | | | | | | | | | 115 |
| 120 | 53.5 | 264.5 | 44,500* | 57.7 | 270.2 | 51,200* | 60.1 | 272.7 | 48,500 | | | | | | | | | | | | | 120 |
| 125 | 51.3 | 260.6 | 41,700* | 55.7 | 266.9 | 47,800* | 58.1 | 269.7 | 45,800 | 62.0 | 272.7 | 41,600 | | | | | | | | | | 125 |
| 130 | 49.1 | 256.3 | 39,100* | 53.6 | 263.3 | 44,700* | 56.1 | 266.4 | 43,300 | 60.1 | 269.8 | 39,300 | | | | | | | | | | 130 |
| 135 | 46.8 | 251.8 | 36,800* | 51.4 | 259.4 | 41,900* | 54.0 | 262.8 | 40,900 | 58.1 | 266.8 | 37,100 | | | | | | | | | | 135 |
| 140 | 44.4 | 246.8 | 34,700* | 49.2 | 255.2 | 39,300* | 51.9 | 259.0 | 38,800 | 56.1 | 263.5 | 35,100 | | | | | | | | | | 140 |
| 145 | 42.0 | 241.4 | 32,800* | 47.0 | 250.6 | 37,000* | 49.7 | 254.9 | 36,800 | 54.0 | 260.0 | 33,300 | 58.0 | 262.9 | 29,800 | | | | | | | 145 |
| 150 | 39.4 | 235.5 | 31,000* | 44.6 | 245.7 | 34,900* | 47.5 | 250.4 | 35,000 | 51.9 | 256.1 | 31,500 | 56.0 | 259.6 | 28,200 | | | | | | | 150 |
| 155 | 36.6 | 229.0 | 29,300* | 42.1 | 240.3 | 32,900* | 45.1 | 245.5 | 33,200 | 49.7 | 252.0 | 30,000 | 53.9 | 256.0 | 26,700 | | | | | | | 155 |
| 160 | 33.6 | 221.8 | 27,800* | 39.5 | 234.4 | 31,100* | 42.7 | 240.3 | 31,600 | 47.5 | 247.5 | 28,500 | 51.8 | 252.2 | 25,300 | | | | | | | 160 |
| 165 | 30.4 | 213.6 | 26,300* | 36.8 | 228.0 | 29,400* | 40.1 | 234.5 | 30,100 | 45.1 | 242.7 | 27,100 | 49.6 | 248.0 | 24,100 | | | | | | | 165 |
| 170 | 26.8 | 204.3 | 25,000* | 33.8 | 220.8 | 27,900* | 37.4 | 228.2 | 28,700 | 42.7 | 237.4 | 25,800 | 47.3 | 243.6 | 22,800 | 51.5 | 247.1 | 20,000 | | | | 170 |
| 175 | 22.8 | 193.2 | 23,700* | 30.6 | 212.7 | 26,400* | 34.5 | 221.2 | 27,400 | 40.1 | 231.6 | 24,500 | 45.0 | 238.7 | 21,700 | 49.3 | 242.9 | 19,000 | | | | 175 |
| 180 | 17.8 | 179.4 | 22,500* | 27.1 | 203.5 | 25,100* | 31.3 | 213.3 | 26,100 | 37.4 | 225.3 | 23,400 | 42.5 | 233.4 | 20,600 | 47.0 | 238.4 | 18,000 | | | | 180 |
| 185 | 10.7 | 159.1 | 19,700* | 23.0 | 192.5 | 23,800* | 27.9 | 204.3 | 24,900 | 34.5 | 218.3 | 22,300 | 40.0 | 227.6 | 19,600 | 44.7 | 233.5 | 17,000 | | | | 185 |
| 190 | | | | 18.1 | 178.9 | 22,600* | 24.0 | 193.9 | 23,800 | 31.3 | 210.4 | 21,200 | 37.2 | 221.2 | 18,600 | 42.2 | 228.1 | 16,100 | 46.5 | 232.0 | 13,700 | 190 |
| 195 | | | | 11.3 | 159.2 | 21,100* | 19.3 | 181.0 | 22,700 | 27.9 | 201.5 | 20,200 | 34.3 | 214.2 | 17,700 | 39.6 | 222.3 | 15,300 | 44.2 | 227.0 | 13,000 | 195 |
| 200 | | | | | | | 13.1 | 163.3 | 21,700* | 24.0 | 191.0 | 19,300 | 31.2 | 206.3 | 16,900 | 36.9 | 215.8 | 14,500 | 41.7 | 221.6 | 12,200 | 200 |
| 205 | | | | | | | | | | 19.3 | 178.1 | 18,300 | 27.7 | 197.2 | 16,000 | 33.9 | 208.7 | 13,700 | 39.0 | 215.6 | 11,500 | 205 |
| 210 | | | | | | | | | | 13.1 | 160.4 | 17,400 | | | | 30.7 | 200.6 | 13,000 | 36.2 | 209.0 | 10,900 | 210 |
| 215 | | | | | | | | | | | | | 19.0 | 173.6 | 14,400 | 27.2 | 191.4 | 12,300 | 33.3 | 201.7 | 10,200 | 215 |
| 220 | | | | | | | | | | | | | 12.7 | 155.4 | 13,700 | 23.2 | 180.6 | 11,600 | 30.0 | 193.4 | 9,600 | 220 |
| 225 | | | | | | | | | | | | | | | | 18.3 | 167.1 | 11,000 | 26.4 | 183.9 | 9,000 | 225 |
| 230 | | | | | | | | | | | | | | | | 11.6 | 147.8 | 10,300 | 22.2 | 172.6 | 8,400 | 230 |
| 235 | | | | | | | | | | | | | | | | | | | 17.1 | 158.3 | 7,900 | 235 |
| 240 | | | | | | | | | | | | | | | | | | | 9.5 | 136.4 | 7,300 | 240 |

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

DESIGNED AND TESTED
WITH THE INTENT TO BE
THE SCOPE OF ANSI B30.5

M-250 SERIES 2

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING**

115 FT. BOOM, 180 FT. JIB

| JIB OPER. RAD. FEET | 88 DEGREE BOOM ANGLE | | | 83 DEGREE BOOM ANGLE | | | 80 DEGREE BOOM ANGLE | | | 75 DEGREE BOOM ANGLE | | | 70 DEGREE BOOM ANGLE | | | 65 DEGREE BOOM ANGLE | | | 60 DEGREE BOOM ANGLE | | | JIB OPER. RAD. FEET |
|---------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|---------------------|
| | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | |
| 65 | 75.2 | 302.4 | 70,800* | | | | | | | | | | | | | | | | | | | 65 |
| 70 | 73.5 | 300.9 | 68,800* | | | | | | | | | | | | | | | | | | | 70 |
| 75 | 71.9 | 299.3 | 66,700* | | | | | | | | | | | | | | | | | | | 75 |
| 80 | 70.2 | 297.6 | 65,000* | | | | | | | | | | | | | | | | | | | 80 |
| 85 | 68.5 | 295.6 | 63,200* | | | | | | | | | | | | | | | | | | | 85 |
| 90 | 66.7 | 293.5 | 61,500* | 70.3 | 296.3 | 63,900* | | | | | | | | | | | | | | | | 90 |
| 95 | 65.0 | 291.3 | 59,200* | 68.6 | 294.3 | 61,900* | | | | | | | | | | | | | | | | 95 |
| 100 | 63.2 | 288.8 | 57,000* | 66.8 | 292.2 | 60,500* | | | | | | | | | | | | | | | | 100 |
| 105 | 61.4 | 286.1 | 54,300* | 65.1 | 290.0 | 58,900* | 67.2 | 291.4 | 57,900 | | | | | | | | | | | | | 105 |
| 110 | 59.6 | 283.2 | 50,400* | 63.3 | 287.5 | 56,800* | 65.5 | 289.2 | 54,200 | | | | | | | | | | | | | 110 |
| 115 | 57.7 | 280.1 | 47,000* | 61.5 | 284.9 | 53,700 | 63.7 | 286.8 | 50,900 | | | | | | | | | | | | | 115 |
| 120 | 55.8 | 276.8 | 43,900* | 59.7 | 282.0 | 50,600 | 61.9 | 284.2 | 47,900 | | | | | | | | | | | | | 120 |
| 125 | 53.8 | 273.2 | 41,100* | 57.8 | 278.9 | 47,200* | 60.1 | 281.4 | 45,100 | | | | | | | | | | | | | 125 |
| 130 | 51.8 | 269.4 | 38,600* | 55.9 | 275.6 | 44,100* | 58.2 | 278.3 | 42,600 | 61.9 | 281.3 | 38,600 | | | | | | | | | | 130 |
| 135 | 49.8 | 265.2 | 36,300* | 54.0 | 272.0 | 41,300* | 56.3 | 275.1 | 40,300 | 60.1 | 278.5 | 36,400 | | | | | | | | | | 135 |
| 140 | 47.6 | 260.8 | 34,200* | 51.9 | 268.2 | 38,800* | 54.4 | 271.6 | 38,200 | 58.2 | 275.5 | 34,400 | | | | | | | | | | 140 |
| 145 | 45.4 | 256.0 | 32,200* | 49.9 | 264.1 | 36,500* | 52.4 | 267.8 | 36,200 | 56.3 | 272.2 | 32,600 | | | | | | | | | | 145 |
| 150 | 43.1 | 250.8 | 30,400* | 47.8 | 259.6 | 34,300* | 50.3 | 263.7 | 34,300 | 54.4 | 268.7 | 30,900 | | | | | | | | | | 150 |
| 155 | 40.7 | 245.1 | 28,800* | 45.6 | 254.9 | 32,400* | 48.2 | 259.4 | 32,600 | 52.4 | 264.9 | 29,300 | 56.2 | 268.3 | 26,000 | | | | | | | 155 |
| 160 | 38.2 | 239.0 | 27,200* | 43.3 | 249.7 | 30,600* | 46.0 | 254.7 | 31,000 | 50.3 | 260.9 | 27,800 | 54.3 | 264.8 | 24,600 | | | | | | | 160 |
| 165 | 35.5 | 232.2 | 25,800* | 40.9 | 244.1 | 28,900* | 43.8 | 249.6 | 29,500 | 48.2 | 256.5 | 26,400 | 52.3 | 261.0 | 23,300 | | | | | | | 165 |
| 170 | 32.6 | 224.7 | 24,400* | 38.3 | 237.9 | 27,300* | 41.4 | 244.0 | 28,100 | 46.0 | 251.8 | 25,100 | 50.2 | 256.9 | 22,100 | | | | | | | 170 |
| 175 | 29.5 | 216.3 | 23,200* | 35.7 | 231.2 | 25,900* | 38.9 | 238.0 | 26,800 | 43.8 | 246.7 | 23,900 | 48.1 | 252.5 | 21,000 | | | | | | | 175 |
| 180 | 26.1 | 206.6 | 22,000* | 32.8 | 223.7 | 24,500* | 36.3 | 231.4 | 25,600 | 41.4 | 241.2 | 22,700 | 45.9 | 247.8 | 19,900 | 52.0 | 255.9 | 18,200 | | | | 180 |
| 185 | 22.1 | 195.2 | 20,900* | 29.7 | 215.4 | 23,300* | 33.5 | 224.2 | 24,400 | 38.9 | 235.2 | 21,600 | 43.6 | 242.7 | 18,900 | 50.0 | 251.8 | 17,200 | | | | 185 |
| 190 | 17.3 | 180.9 | 19,800* | 26.3 | 205.8 | 22,100* | 30.4 | 216.0 | 23,300 | 36.3 | 228.6 | 20,600 | 41.3 | 237.2 | 18,000 | 47.8 | 247.4 | 16,300 | | | | 190 |
| 195 | 10.4 | 160.0 | 17,300* | 22.4 | 194.5 | 21,000* | 27.1 | 206.7 | 22,200 | 33.5 | 221.3 | 19,600 | 38.8 | 231.1 | 17,100 | 45.6 | 242.6 | 15,400 | | | | 195 |
| 200 | | | | 17.6 | 180.4 | 19,900* | 23.3 | 195.9 | 21,200* | 30.4 | 213.2 | 18,700 | 36.1 | 224.5 | 16,200 | 43.3 | 237.5 | 14,600 | 47.4 | 241.1 | 12,200 | 200 |
| 205 | | | | 11.0 | 160.2 | 18,600* | 18.8 | 182.6 | 20,200* | 27.1 | 203.9 | 17,800 | 33.3 | 217.2 | 15,400 | 41.0 | 231.9 | 13,800 | 45.1 | 236.2 | 11,500 | 205 |
| 210 | | | | | | | 12.7 | 164.4 | 19,100* | 23.3 | 193.1 | 16,900 | 30.2 | 209.0 | 14,600 | 38.4 | 225.8 | 13,000 | 42.8 | 231.0 | 10,800 | 210 |
| 215 | | | | | | | | | | 18.8 | 179.8 | 16,100 | 26.9 | 199.6 | 13,900 | 35.8 | 219.0 | 12,300 | 40.4 | 225.3 | 10,100 | 215 |
| 220 | | | | | | | | | | 12.7 | 161.5 | 15,300 | 23.0 | 188.7 | 13,100 | 32.9 | 211.6 | 11,600 | 37.9 | 219.0 | 9,500 | 220 |
| 225 | | | | | | | | | | | | | 18.5 | 175.2 | 12,400 | 29.8 | 203.3 | 11,000 | 35.2 | 212.2 | 8,900 | 225 |
| 230 | | | | | | | | | | | | | 12.3 | 156.5 | 11,700 | 26.4 | 193.8 | 10,400 | 32.3 | 204.6 | 8,300 | 230 |
| 235 | | | | | | | | | | | | | | | | 22.5 | 182.6 | 9,700 | 29.1 | 196.0 | 7,800 | 235 |
| 240 | | | | | | | | | | | | | | | | 17.8 | 168.6 | 9,100 | 25.6 | 186.2 | 7,200 | 240 |
| 245 | | | | | | | | | | | | | | | | 11.3 | 148.7 | 8,500 | 21.6 | 174.5 | 6,700 | 245 |
| 250 | | | | | | | | | | | | | | | | | | | 16.6 | 159.7 | 6,200 | 250 |
| | | | | | | | | | | | | | | | | | | | 9.3 | 137.2 | 5,700 | 250 |

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

DESIGNED AND TESTED
WITH THE INTENT TO BE
THE SCOPE OF ANSI B30.5

M-250 SERIES 2

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING**

115 FT. BOOM, 190 FT. JIB

| JIB OPER. RAD. FEET | 88 DEGREE BOOM ANGLE | | | 83 DEGREE BOOM ANGLE | | | 80 DEGREE BOOM ANGLE | | | 75 DEGREE BOOM ANGLE | | | 70 DEGREE BOOM ANGLE | | | 65 DEGREE BOOM ANGLE | | | 60 DEGREE BOOM ANGLE | | | JIB OPER. RAD. FEET |
|---------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|---------------------|
| | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | |
| 65 | 76.0 | 312.7 | 67,500* | | | | | | | | | | | | | | | | | | | 65 |
| 70 | 74.4 | 311.4 | 65,300* | | | | | | | | | | | | | | | | | | | 70 |
| 75 | 72.8 | 309.9 | 63,700* | | | | | | | | | | | | | | | | | | | 75 |
| 80 | 71.3 | 308.2 | 62,500* | | | | | | | | | | | | | | | | | | | 80 |
| 85 | 69.7 | 306.4 | 61,100* | | | | | | | | | | | | | | | | | | | 85 |
| 90 | 68.0 | 304.4 | 59,600* | | | | | | | | | | | | | | | | | | | 90 |
| 95 | 66.4 | 302.3 | 57,600* | 69.8 | 305.1 | 57,900* | | | | | | | | | | | | | | | | 95 |
| 100 | 64.7 | 300.0 | 55,500* | 68.1 | 303.1 | 56,500* | | | | | | | | | | | | | | | | 100 |
| 105 | 63.0 | 297.5 | 53,500* | 66.5 | 301.0 | 55,200* | | | | | | | | | | | | | | | | 105 |
| 110 | 61.3 | 294.8 | 49,900* | 64.8 | 298.7 | 53,800* | 66.9 | 300.2 | 53,600 | | | | | | | | | | | | | 110 |
| 115 | 59.6 | 291.9 | 46,500* | 63.2 | 296.2 | 53,100 | 65.2 | 297.9 | 50,300 | | | | | | | | | | | | | 115 |
| 120 | 57.8 | 288.8 | 43,400* | 61.4 | 293.5 | 50,000 | 63.5 | 295.5 | 47,300 | | | | | | | | | | | | | 120 |
| 125 | 56.0 | 285.5 | 40,700* | 59.7 | 290.7 | 46,700* | 61.8 | 292.8 | 44,600 | | | | | | | | | | | | | 125 |
| 130 | 54.2 | 282.0 | 38,100* | 57.9 | 287.6 | 43,600* | 60.1 | 290.0 | 42,000 | | | | | | | | | | | | | 130 |
| 135 | 52.3 | 278.2 | 35,800* | 56.1 | 284.3 | 40,800* | 58.3 | 287.0 | 39,700 | 61.8 | 290.0 | 35,800 | | | | | | | | | | 135 |
| 140 | 50.3 | 274.1 | 33,700* | 54.3 | 280.8 | 38,300* | 56.5 | 283.7 | 37,600 | 60.1 | 287.2 | 33,800 | | | | | | | | | | 140 |
| 145 | 48.3 | 269.8 | 31,700* | 52.4 | 277.0 | 36,000* | 54.7 | 280.3 | 35,600 | 58.3 | 284.1 | 32,000 | | | | | | | | | | 145 |
| 150 | 46.3 | 265.1 | 29,900* | 50.5 | 272.9 | 33,800* | 52.8 | 276.6 | 33,800 | 56.5 | 280.9 | 30,300 | | | | | | | | | | 150 |
| 155 | 44.1 | 260.1 | 28,300* | 48.5 | 268.6 | 31,900* | 50.9 | 272.6 | 32,100 | 54.7 | 277.4 | 28,700 | | | | | | | | | | 155 |
| 160 | 41.9 | 254.6 | 26,700* | 46.4 | 264.0 | 30,100* | 48.9 | 268.3 | 30,500 | 52.8 | 273.7 | 27,200 | 56.4 | 277.0 | 24,000 | | | | | | | 160 |
| 165 | 39.6 | 248.7 | 25,300* | 44.3 | 258.9 | 28,400* | 46.9 | 263.7 | 29,000 | 50.9 | 269.7 | 25,800 | 54.6 | 273.5 | 22,700 | | | | | | | 165 |
| 170 | 37.1 | 242.3 | 24,000* | 42.0 | 253.5 | 26,800* | 44.7 | 258.8 | 27,600 | 48.9 | 265.5 | 24,500 | 52.7 | 269.8 | 21,500 | | | | | | | 170 |
| 175 | 34.5 | 235.3 | 22,700* | 39.7 | 247.7 | 25,400* | 42.5 | 253.5 | 26,300 | 46.9 | 260.9 | 23,300 | 50.8 | 265.8 | 20,400 | | | | | | | 175 |
| 180 | 31.7 | 227.5 | 21,500* | 37.3 | 241.3 | 24,100* | 40.2 | 247.7 | 25,000 | 44.7 | 255.9 | 22,200 | 48.8 | 261.5 | 19,400 | 52.5 | 264.7 | 16,600 | | | | 180 |
| 185 | 28.7 | 218.8 | 20,400* | 34.7 | 234.3 | 22,800* | 37.8 | 241.5 | 23,900 | 42.5 | 250.6 | 21,100 | 46.7 | 256.9 | 18,300 | 50.5 | 260.7 | 15,700 | | | | 185 |
| 190 | 25.3 | 208.8 | 19,400* | 31.9 | 226.6 | 21,600* | 35.3 | 234.6 | 22,800 | 40.2 | 244.9 | 20,100 | 44.6 | 251.9 | 17,400 | 48.5 | 256.4 | 14,800 | | | | 190 |
| 195 | 21.5 | 197.1 | 18,400* | 28.9 | 217.9 | 20,500* | 32.5 | 227.1 | 21,700 | 37.8 | 238.6 | 19,100 | 42.4 | 246.6 | 16,500 | 46.5 | 251.7 | 14,000 | | | | 195 |
| 200 | 16.8 | 182.4 | 17,400* | 25.6 | 208.1 | 19,400* | 29.6 | 218.7 | 20,700* | 35.3 | 231.8 | 18,200 | 40.1 | 240.8 | 15,600 | 44.3 | 246.7 | 13,200 | | | | 200 |
| 205 | 10.1 | 160.8 | 15,100* | 21.7 | 196.4 | 18,400* | 26.3 | 209.1 | 19,700* | 32.5 | 224.2 | 17,300 | 37.7 | 234.5 | 14,800 | 42.1 | 241.3 | 12,500 | 46.0 | 245.3 | 10,200 | 205 |
| 210 | | | | 17.1 | 181.9 | 17,500* | 22.6 | 197.9 | 18,700* | 29.6 | 215.8 | 16,400 | 35.1 | 227.7 | 14,100 | 39.8 | 235.5 | 11,800 | 43.9 | 240.3 | 9,500 | 210 |
| 215 | | | | 10.6 | 161.1 | 16,300* | 18.2 | 184.2 | 17,700* | 26.3 | 206.2 | 15,600 | 32.4 | 220.1 | 13,300 | 37.4 | 229.1 | 11,100 | 41.6 | 234.8 | 8,900 | 215 |
| 220 | | | | | | | 12.4 | 165.4 | 16,800* | 22.6 | 195.1 | 14,800 | 29.4 | 211.6 | 12,600 | 34.8 | 222.2 | 10,400 | 39.3 | 228.8 | 8,300 | 220 |
| 225 | | | | | | | | | | 18.2 | 181.4 | 14,100 | 26.1 | 201.9 | 11,900 | 32.0 | 214.5 | 9,800 | 36.8 | 222.4 | 7,700 | 225 |
| 230 | | | | | | | | | | 22.4 | 190.6 | 13,400 | 22.4 | 190.6 | 11,300 | 29.0 | 205.9 | 9,200 | 34.2 | 215.3 | 7,200 | 230 |
| 235 | | | | | | | | | | 18.0 | 176.8 | 12,600 | 18.0 | 176.8 | 10,600 | 25.7 | 196.0 | 8,600 | 31.4 | 207.4 | 6,700 | 235 |
| 240 | | | | | | | | | | | | | 12.0 | 157.5 | 10,000 | 21.9 | 184.5 | 8,100 | 28.3 | 198.5 | 6,200 | 240 |
| 245 | | | | | | | | | | | | | | | | 17.3 | 170.1 | 7,500 | 24.9 | 188.4 | 5,700 | 245 |
| 250 | | | | | | | | | | | | | | | | 10.9 | 149.7 | 7,000 | 21.0 | 176.3 | 5,200 | 250 |
| 255 | | | | | | | | | | | | | | | | | | | 16.1 | 161.1 | 4,700 | 255 |
| 260 | | | | | | | | | | | | | | | | | | | 9.0 | 137.9 | 4,200 | 260 |

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

DESIGNED AND TESTED
WITH THE INTENT TO BE
THE SCOPE OF ANSI B30.5

M-250 SERIES 2

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING**

115 FT. BOOM, 200 FT. JIB

| JIB OPER. RAD. FEET | 88 DEGREE BOOM ANGLE | | | 83 DEGREE BOOM ANGLE | | | 80 DEGREE BOOM ANGLE | | | 75 DEGREE BOOM ANGLE | | | 70 DEGREE BOOM ANGLE | | | 65 DEGREE BOOM ANGLE | | | 60 DEGREE BOOM ANGLE | | | JIB OPER. RAD. FEET |
|---------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|---------------------|
| | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | |
| 70 | 75.2 | 321.7 | 59,100* | | | | | | | | | | | | | | | | | | | 70 |
| 75 | 73.7 | 320.3 | 58,600* | | | | | | | | | | | | | | | | | | | 75 |
| 80 | 72.2 | 318.7 | 58,500* | | | | | | | | | | | | | | | | | | | 80 |
| 85 | 70.7 | 317.0 | 55,100* | | | | | | | | | | | | | | | | | | | 85 |
| 90 | 69.2 | 315.2 | 54,500* | | | | | | | | | | | | | | | | | | | 90 |
| 95 | 67.6 | 313.2 | 53,300* | 70.8 | 315.7 | 53,500* | | | | | | | | | | | | | | | | 95 |
| 100 | 66.1 | 311.0 | 51,000* | 69.3 | 313.9 | 52,600* | | | | | | | | | | | | | | | | 100 |
| 105 | 64.5 | 308.6 | 48,500* | 67.7 | 311.9 | 51,500* | | | | | | | | | | | | | | | | 105 |
| 110 | 62.9 | 306.1 | 46,200* | 66.2 | 309.7 | 50,300* | | | | | | | | | | | | | | | | 110 |
| 115 | 61.3 | 303.4 | 44,000* | 64.6 | 307.4 | 49,000* | 66.5 | 308.9 | 49,600 | | | | | | | | | | | | | 115 |
| 120 | 59.6 | 300.6 | 41,800* | 63.0 | 304.9 | 46,800* | 64.9 | 306.6 | 46,600 | | | | | | | | | | | | | 120 |
| 125 | 57.9 | 297.5 | 39,700* | 61.4 | 302.2 | 44,600* | 63.4 | 304.1 | 43,900 | | | | | | | | | | | | | 125 |
| 130 | 56.2 | 294.2 | 37,700* | 59.7 | 299.3 | 42,400* | 61.7 | 301.5 | 41,400 | | | | | | | | | | | | | 130 |
| 135 | 54.5 | 290.7 | 35,700* | 58.0 | 296.3 | 40,300* | 60.1 | 298.7 | 39,100 | | | | | | | | | | | | | 135 |
| 140 | 52.7 | 287.0 | 33,500* | 56.3 | 293.0 | 38,200* | 58.4 | 295.7 | 37,000 | 61.7 | 298.7 | 33,100 | | | | | | | | | | 140 |
| 145 | 50.9 | 283.0 | 31,600* | 54.6 | 289.5 | 35,900* | 56.7 | 292.4 | 35,000 | 60.1 | 295.8 | 31,300 | | | | | | | | | | 145 |
| 150 | 49.0 | 278.7 | 29,700* | 52.8 | 285.8 | 33,700* | 55.0 | 289.0 | 33,200 | 58.4 | 292.8 | 29,600 | | | | | | | | | | 150 |
| 155 | 47.0 | 274.1 | 28,000* | 51.0 | 281.8 | 31,700* | 53.2 | 285.3 | 31,500 | 56.7 | 289.6 | 28,000 | | | | | | | | | | 155 |
| 160 | 45.0 | 269.3 | 26,500* | 49.1 | 277.5 | 29,900* | 51.4 | 281.4 | 29,900 | 55.0 | 286.1 | 26,500 | | | | | | | | | | 160 |
| 165 | 43.0 | 264.0 | 25,000* | 47.1 | 273.0 | 28,100* | 49.5 | 277.2 | 28,400 | 53.2 | 282.5 | 25,200 | 56.6 | 285.7 | 22,000 | | | | | | | 165 |
| 170 | 40.8 | 258.4 | 23,600* | 45.1 | 268.1 | 26,600* | 47.6 | 272.7 | 27,000 | 51.4 | 278.6 | 23,900 | 54.9 | 282.2 | 20,800 | | | | | | | 170 |
| 175 | 38.5 | 252.3 | 22,300* | 43.1 | 262.9 | 25,100* | 45.6 | 268.0 | 25,700 | 49.5 | 274.4 | 22,700 | 53.1 | 278.5 | 19,700 | | | | | | | 175 |
| 180 | 36.1 | 245.6 | 21,200* | 40.9 | 257.3 | 23,700* | 43.5 | 262.8 | 24,400 | 47.6 | 269.9 | 21,500 | 51.3 | 274.6 | 18,600 | | | | | | | 180 |
| 185 | 33.6 | 238.3 | 20,000* | 38.7 | 251.2 | 22,400* | 41.4 | 257.3 | 23,300 | 45.6 | 265.1 | 20,400 | 49.4 | 270.4 | 17,700 | 52.9 | 273.5 | 14,900 | | | | 185 |
| 190 | 30.9 | 230.3 | 19,000* | 36.3 | 244.6 | 21,200* | 39.2 | 251.3 | 22,200 | 43.5 | 260.0 | 19,400 | 47.5 | 265.9 | 16,700 | 51.0 | 269.5 | 14,100 | | | | 190 |
| 195 | 28.0 | 221.3 | 18,000* | 33.8 | 237.4 | 20,100* | 36.8 | 244.8 | 21,100 | 41.4 | 254.4 | 18,400 | 45.5 | 261.1 | 15,800 | 49.2 | 265.3 | 13,300 | | | | 195 |
| 200 | 24.7 | 211.0 | 17,000* | 31.1 | 229.4 | 19,100* | 34.3 | 237.7 | 20,100 | 39.2 | 248.5 | 17,500 | 43.4 | 255.9 | 15,000 | 47.2 | 260.8 | 12,500 | | | | 200 |
| 205 | 20.9 | 198.9 | 16,100* | 28.1 | 220.4 | 18,000* | 31.7 | 229.9 | 19,200 | 36.8 | 242.0 | 16,700 | 41.3 | 250.4 | 14,200 | 45.2 | 255.9 | 11,800 | | | | 205 |
| 210 | 16.4 | 183.8 | 15,300* | 24.9 | 210.3 | 17,100* | 28.8 | 221.2 | 18,300* | 34.3 | 234.9 | 15,800 | 39.0 | 244.4 | 13,400 | 43.2 | 250.7 | 11,000 | 46.8 | 254.4 | 8,800 | 210 |
| 215 | 9.9 | 161.7 | 13,100* | 21.2 | 198.3 | 16,200* | 25.6 | 211.4 | 17,300* | 31.7 | 227.1 | 15,000 | 36.7 | 237.9 | 12,700 | 41.0 | 245.1 | 10,400 | 44.8 | 249.5 | 8,200 | 215 |
| 220 | | | | 16.7 | 183.4 | 15,300* | 22.0 | 199.8 | 16,400* | 28.8 | 218.4 | 14,300 | 34.2 | 230.8 | 12,000 | 38.7 | 239.0 | 9,700 | 30.6 | 210.1 | 5,000 | 220 |
| 225 | | | | 10.4 | 162.0 | 14,300* | 17.8 | 185.7 | 15,500* | 25.6 | 208.5 | 13,500 | 31.5 | 222.9 | 11,300 | 36.4 | 232.4 | 9,100 | 40.5 | 238.5 | 7,000 | 225 |
| 230 | | | | | | | 12.1 | 166.5 | 14,700* | 22.0 | 197.0 | 12,800 | 28.6 | 214.1 | 10,700 | 33.9 | 225.2 | 8,500 | 38.2 | 232.3 | 6,500 | 230 |
| 235 | | | | | | | | | | 17.8 | 182.9 | 12,100 | 25.5 | 204.2 | 10,000 | 31.2 | 217.3 | 8,000 | 35.9 | 225.6 | 6,000 | 235 |
| 240 | | | | | | | | | | 12.1 | 163.6 | 11,500 | 21.8 | 192.6 | 9,400 | 28.3 | 208.4 | 7,400 | 33.3 | 218.3 | 5,500 | 240 |
| 245 | | | | | | | | | | | | | 17.5 | 178.3 | 8,800 | 25.0 | 198.3 | 6,900 | 25.0 | 198.3 | 6,900 | 245 |
| 250 | | | | | | | | | | | | | 11.6 | 158.5 | 8,300 | 21.3 | 186.4 | 6,400 | 27.6 | 201.0 | 4,500 | 250 |
| 255 | | | | | | | | | | | | | | | | 16.8 | 171.6 | 5,900 | 24.3 | 190.5 | 4,100 | 255 |
| 260 | | | | | | | | | | | | | | | | 10.7 | 150.6 | 5,400 | | | | 260 |

MANITOWOC ENGINEERING CO.

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



LIFT CRANE LUFFING JIB CAPACITIES

DESIGNED AND TESTED
WITH THE INTENT TO BE
THE SCOPE OF ANSI B30.5

M-250 SERIES 2

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING**

125 FT. BOOM, 70 FT. JIB

| JIB OPER. RAD. FEET | 88 DEGREE BOOM ANGLE | | | 83 DEGREE BOOM ANGLE | | | 80 DEGREE BOOM ANGLE | | | 75 DEGREE BOOM ANGLE | | | 70 DEGREE BOOM ANGLE | | | 65 DEGREE BOOM ANGLE | | | 60 DEGREE BOOM ANGLE | | | JIB OPER. RAD. FEET |
|------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|------------------------------|
| | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | |
| 50 | 63.9 | 201.0 | 123,600*b | | | | | | | | | | | | | | | | | | | 50 |
| 55 | 59.2 | 198.2 | 116,200*b | | | | | | | | | | | | | | | | | | | 55 |
| 60 | 54.3 | 194.8 | 109,600*b | 65.0 | 200.1 | 123,600*b | | | | | | | | | | | | | | | | 60 |
| 65 | 49.0 | 190.6 | 103,600* | 60.4 | 197.4 | 116,200*b | 66.5 | 199.5 | 125,000*b | | | | | | | | | | | | | 65 |
| 70 | 43.2 | 185.6 | 98,300* | 55.5 | 194.1 | 109,600*b | 61.9 | 196.9 | 117,500*b | | | | | | | | | | | | | 70 |
| 75 | 36.7 | 179.4 | 89,300* | 50.3 | 190.2 | 103,700* | 57.1 | 193.9 | 108,200b | | | | | | | | | | | | | 75 |
| 80 | 28.9 | 171.4 | 81,100* | 44.6 | 185.4 | 98,400* | 52.0 | 190.2 | 99,800 | 62.7 | 194.4 | 94,800b | | | | | | | | | | 80 |
| 85 | 18.2 | 159.3 | 74,200* | 38.3 | 179.5 | 91,500* | 46.5 | 185.7 | 92,500 | 57.9 | 191.4 | 87,900b | | | | | | | | | | 85 |
| 90 | | | | 30.9 | 172.0 | 83,000* | 40.4 | 180.2 | 86,200 | 52.9 | 187.8 | 81,800 | | | | | | | | | | 90 |
| 95 | | | | 21.2 | 161.2 | 75,800* | 33.4 | 173.3 | 80,500 | 47.5 | 183.5 | 76,500 | | | | | | | | | | 95 |
| 100 | | | | | | | 24.7 | 163.9 | 75,500 | 41.5 | 178.2 | 71,700 | 53.5 | 184.3 | 68,000 | | | | | | | 100 |
| 105 | | | | | | | 10.2 | 146.9 | 70,800 | 34.7 | 171.6 | 67,500 | 48.1 | 180.0 | 63,900 | | | | | | | 105 |
| 110 | | | | | | | | | | 26.4 | 162.8 | 63,600 | 42.2 | 174.9 | 60,300 | | | | | | | 110 |
| 115 | | | | | | | | | | 13.9 | 148.3 | 60,000 | 35.5 | 168.4 | 57,000 | 48.3 | 175.3 | 53,900 | | | | 115 |
| 120 | | | | | | | | | | | | | 27.4 | 159.9 | 54,000 | 42.4 | 170.2 | 51,100 | | | | 120 |
| 125 | | | | | | | | | | | | | 15.7 | 146.6 | 51,100 | 35.8 | 163.8 | 48,500 | 47.9 | 169.3 | 45,700 | 125 |
| 130 | | | | | | | | | | | | | | | | 27.7 | 155.4 | 46,000 | 42.0 | 164.1 | 43,500 | 130 |
| 135 | | | | | | | | | | | | | | | | 16.3 | 142.3 | 43,800 | 35.3 | 157.6 | 41,400 | 135 |
| 140 | | | | | | | | | | | | | | | | | | | 27.2 | 149.0 | 39,400 | 140 |
| 145 | | | | | | | | | | | | | | | | | | | 15.3 | 135.4 | 37,600 | 145 |

MANITOWOC ENGINEERING CO.

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



LIFT CRANE LUFFING JIB CAPACITIES

DESIGNED AND TESTED
WITH THE INTENT TO BE
THE SCOPE OF ANSI B30.5

M-250 SERIES 2

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING**

125 FT. BOOM, 80 FT. JIB

| JIB OPER. RAD. FEET | 88 DEGREE BOOM ANGLE | | | 83 DEGREE BOOM ANGLE | | | 80 DEGREE BOOM ANGLE | | | 75 DEGREE BOOM ANGLE | | | 70 DEGREE BOOM ANGLE | | | 65 DEGREE BOOM ANGLE | | | 60 DEGREE BOOM ANGLE | | | JIB OPER. RAD. FEET | |
|------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|------------------------------|-----|
| | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | | |
| 50 | 67.4 | 212.0 | 120,200*b | | | | | | | | | | | | | | | | | | | 50 | |
| 55 | 63.4 | 209.7 | 113,000*b | | | | | | | | | | | | | | | | | | | 55 | |
| 60 | 59.3 | 206.8 | 106,600*b | 68.3 | 211.0 | 120,300*b | | | | | | | | | | | | | | | | 60 | |
| 65 | 55.0 | 203.5 | 100,900* | 64.4 | 208.8 | 113,200*b | | | | | | | | | | | | | | | | 65 | |
| 70 | 50.5 | 199.6 | 95,700* | 60.3 | 206.0 | 106,900*b | 65.7 | 208.2 | 114,500*b | | | | | | | | | | | | | 70 | |
| 75 | 45.6 | 194.9 | 89,600* | 56.1 | 202.8 | 101,200* | 61.7 | 205.6 | 107,700b | | | | | | | | | | | | | 75 | |
| 80 | 40.2 | 189.4 | 81,400* | 51.6 | 199.0 | 96,000* | 57.5 | 202.6 | 99,300 | | | | | | | | | | | | | 80 | |
| 85 | 34.2 | 182.5 | 74,400* | 46.8 | 194.6 | 91,300* | 53.0 | 199.0 | 92,100 | 62.3 | 203.0 | 87,300b | | | | | | | | | | 85 | |
| 90 | 26.9 | 173.7 | 68,500* | 41.5 | 189.2 | 83,300* | 48.4 | 194.7 | 85,700 | 58.2 | 200.1 | 81,200 | | | | | | | | | | 90 | |
| 95 | 16.9 | 160.7 | 63,200* | 35.7 | 182.8 | 76,000* | 43.3 | 189.7 | 80,100 | 53.8 | 196.6 | 75,900 | | | | | | | | | | 95 | |
| 100 | | | | 28.8 | 174.5 | 69,800* | 37.7 | 183.7 | 75,100 | 49.2 | 192.5 | 71,200 | | | | | | | | | | 100 | |
| 105 | | | | 19.7 | 162.9 | 64,400* | 31.2 | 176.1 | 70,700 | 44.2 | 187.6 | 67,000 | 54.3 | 193.0 | 63,300 | | | | | | | | 105 |
| 110 | | | | | | | 23.0 | 165.9 | 66,100* | 38.7 | 181.8 | 63,200 | 49.7 | 189.0 | 59,700 | | | | | | | | 110 |
| 115 | | | | | | | 9.5 | 147.7 | 61,200* | 32.4 | 174.5 | 59,700 | 44.8 | 184.2 | 56,500 | | | | | | | | 115 |
| 120 | | | | | | | | | | 24.6 | 164.9 | 56,500 | 39.3 | 178.5 | 53,500 | 49.9 | 184.2 | 50,400 | | | | | 120 |
| 125 | | | | | | | | | | 12.9 | 149.4 | 53,600 | 33.1 | 171.4 | 50,800 | 44.9 | 179.5 | 47,900 | | | | | 125 |
| 130 | | | | | | | | | | | | | 25.6 | 162.2 | 48,200 | 39.5 | 173.8 | 45,500 | | | | | 130 |
| 135 | | | | | | | | | | | | | 14.7 | 147.8 | 45,800 | 33.3 | 166.8 | 43,300 | 44.6 | 173.4 | 40,800 | | 135 |
| 140 | | | | | | | | | | | | | | | | 25.8 | 157.6 | 41,300 | 39.1 | 167.7 | 38,900 | | 140 |
| 145 | | | | | | | | | | | | | | | | 15.1 | 143.6 | 39,300 | 32.9 | 160.6 | 37,100 | | 145 |
| 150 | | | | | | | | | | | | | | | | | | | 25.3 | 151.2 | 35,400 | | 150 |
| 155 | | | | | | | | | | | | | | | | | | | 14.2 | 136.6 | 33,800 | | 155 |

MANITOWOC ENGINEERING CO.

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



LIFT CRANE LUFFING JIB CAPACITIES

DESIGNED AND TESTED
WITH THE INTENT TO BE
THE SCOPE OF ANSI B30.5

M-250 SERIES 2

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING**

125 FT. BOOM, 90 FT. JIB

| JIB OPER. RAD. FEET | 88 DEGREE BOOM ANGLE | | | 83 DEGREE BOOM ANGLE | | | 80 DEGREE BOOM ANGLE | | | 75 DEGREE BOOM ANGLE | | | 70 DEGREE BOOM ANGLE | | | 65 DEGREE BOOM ANGLE | | | 60 DEGREE BOOM ANGLE | | | JIB OPER. RAD. FEET | |
|---------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|---------------------|-----|
| | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | | |
| 50 | 70.1 | 222.8 | 117,000* ^b | | | | | | | | | | | | | | | | | | | 50 | |
| 55 | 66.6 | 220.8 | 110,200* ^b | | | | | | | | | | | | | | | | | | | 55 | |
| 60 | 63.1 | 218.3 | 104,100* | 70.8 | 221.8 | 117,200* ^b | | | | | | | | | | | | | | | | 60 | |
| 65 | 59.4 | 215.5 | 98,500* | 67.4 | 219.8 | 110,500* ^b | | | | | | | | | | | | | | | | 65 | |
| 70 | 55.6 | 212.2 | 93,500* | 63.9 | 217.4 | 104,400* ^b | | | | | | | | | | | | | | | | 70 | |
| 75 | 51.6 | 208.4 | 88,900* | 60.3 | 214.7 | 98,900* | 65.1 | 216.9 | 105,600* ^b | | | | | | | | | | | | | 75 | |
| 80 | 47.4 | 204.0 | 81,600* | 56.5 | 211.5 | 93,900* | 61.5 | 214.3 | 98,900 | | | | | | | | | | | | | 80 | |
| 85 | 42.8 | 198.9 | 74,600* | 52.6 | 207.8 | 89,300* | 57.7 | 211.2 | 91,700 | | | | | | | | | | | | | 85 | |
| 90 | 37.8 | 192.8 | 68,600* | 48.4 | 203.6 | 83,500* | 53.9 | 207.7 | 85,400 | 62.1 | 211.7 | 80,800 | | | | | | | | | | 90 | |
| 95 | 32.1 | 185.4 | 63,400* | 43.9 | 198.7 | 76,200* | 49.8 | 203.7 | 79,800 | 58.4 | 208.7 | 75,500 | | | | | | | | | | 95 | |
| 100 | 25.3 | 176.0 | 58,800* | 39.0 | 192.8 | 70,000* | 45.4 | 199.0 | 74,800 | 54.5 | 205.3 | 70,800 | | | | | | | | | | 100 | |
| 105 | 15.9 | 162.1 | 54,700* | 33.5 | 185.8 | 64,600* | 40.7 | 193.5 | 70,400 | 50.5 | 201.4 | 66,600 | | | | | | | | | | 105 | |
| 110 | | | | 27.0 | 176.9 | 59,800* | 35.4 | 186.9 | 66,300* | 46.2 | 196.8 | 62,800 | 55.0 | 201.8 | 59,300 | | | | | | | | 110 |
| 115 | | | | 18.5 | 164.5 | 55,600* | 29.3 | 178.7 | 61,300* | 41.5 | 191.4 | 59,400 | 50.9 | 197.9 | 56,000 | | | | | | | | 115 |
| 120 | | | | | | | 21.7 | 167.8 | 57,000* | 36.3 | 185.1 | 56,300 | 46.6 | 193.4 | 53,100 | | | | | | | | 120 |
| 125 | | | | | | | 8.9 | 148.4 | 53,100* | 30.4 | 177.2 | 53,400 | 42.0 | 188.1 | 50,400 | 51.1 | 193.1 | 47,400 | | | | | 125 |
| 130 | | | | | | | | | | 23.1 | 166.9 | 50,700 | 36.9 | 181.8 | 47,900 | 46.8 | 188.6 | 45,100 | | | | | 130 |
| 135 | | | | | | | | | | 12.1 | 150.4 | 48,200 | 31.1 | 174.2 | 45,600 | 42.2 | 183.4 | 42,900 | | | | | 135 |
| 140 | | | | | | | | | | | | | 24.0 | 164.3 | 43,500 | 37.1 | 177.2 | 40,900 | 46.5 | 182.6 | 38,400 | | 140 |
| 145 | | | | | | | | | | | | | 13.8 | 149.0 | 41,400 | 31.3 | 169.6 | 39,100 | 41.9 | 177.3 | 36,700 | | 145 |
| 150 | | | | | | | | | | | | | | | | 24.3 | 159.8 | 37,300 | 36.8 | 171.0 | 35,000 | | 150 |
| 155 | | | | | | | | | | | | | | | | 14.2 | 144.8 | 35,600 | 30.9 | 163.3 | 33,500 | | 155 |
| 160 | | | | | | | | | | | | | | | | | | | 23.8 | 153.3 | 32,000 | | 160 |
| 165 | | | | | | | | | | | | | | | | | | | 13.4 | 137.7 | 30,600 | | 165 |

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

DESIGNED AND TESTED
WITH THE INTENT TO BE
THE SCOPE OF ANSI B30.5

M-250 SERIES 2

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING**

125 FT. BOOM, 100 FT. JIB

| JIB OPER. RAD. FEET | 88 DEGREE BOOM ANGLE | | | 83 DEGREE BOOM ANGLE | | | 80 DEGREE BOOM ANGLE | | | 75 DEGREE BOOM ANGLE | | | 70 DEGREE BOOM ANGLE | | | 65 DEGREE BOOM ANGLE | | | 60 DEGREE BOOM ANGLE | | | JIB OPER. RAD. FEET |
|------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|------------------------------|
| | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | |
| 50 | 72.1 | 233.5 | 113,600*b | | | | | | | | | | | | | | | | | | | 50 |
| 55 | 69.1 | 231.6 | 107,100*b | | | | | | | | | | | | | | | | | | | 55 |
| 60 | 66.0 | 229.5 | 101,200* | | | | | | | | | | | | | | | | | | | 60 |
| 65 | 62.8 | 227.0 | 95,900* | 69.8 | 230.6 | 107,400*b | | | | | | | | | | | | | | | | 65 |
| 70 | 59.5 | 224.2 | 91,100* | 66.7 | 228.5 | 101,700* | | | | | | | | | | | | | | | | 70 |
| 75 | 56.0 | 220.9 | 86,600* | 63.5 | 226.1 | 96,400* | 67.7 | 227.9 | 103,300*b | | | | | | | | | | | | | 75 |
| 80 | 52.5 | 217.2 | 81,500* | 60.2 | 223.4 | 91,600* | 64.6 | 225.6 | 97,500* | | | | | | | | | | | | | 80 |
| 85 | 48.7 | 213.0 | 74,500* | 56.9 | 220.2 | 87,200* | 61.3 | 222.9 | 91,100 | | | | | | | | | | | | | 85 |
| 90 | 44.8 | 208.2 | 68,400* | 53.3 | 216.6 | 83,100* | 58.0 | 219.9 | 84,800 | | | | | | | | | | | | | 90 |
| 95 | 40.5 | 202.6 | 63,200* | 49.6 | 212.5 | 76,100* | 54.5 | 216.5 | 79,300 | 61.9 | 220.4 | 74,900 | | | | | | | | | | 95 |
| 100 | 35.7 | 196.0 | 58,600* | 45.7 | 207.9 | 69,800* | 50.9 | 212.6 | 74,300 | 58.6 | 217.4 | 70,200 | | | | | | | | | | 100 |
| 105 | 30.4 | 188.1 | 54,500* | 41.5 | 202.5 | 64,400* | 47.0 | 208.1 | 69,900 | 55.1 | 214.1 | 66,000 | | | | | | | | | | 105 |
| 110 | 23.9 | 178.1 | 50,900* | 36.9 | 196.2 | 59,600* | 42.9 | 203.0 | 65,900 | 51.5 | 210.2 | 62,300 | | | | | | | | | | 110 |
| 115 | 15.0 | 163.3 | 47,600* | 31.7 | 188.6 | 55,400* | 38.4 | 197.0 | 61,100* | 47.7 | 205.9 | 58,900 | 55.5 | 210.5 | 55,400 | | | | | | | 115 |
| 120 | | | | 25.6 | 179.2 | 51,700* | 33.5 | 189.9 | 56,800* | 43.6 | 200.8 | 55,800 | 51.9 | 206.7 | 52,500 | | | | | | | 120 |
| 125 | | | | 17.5 | 166.1 | 48,400* | 27.7 | 181.2 | 52,900* | 39.2 | 195.0 | 52,900 | 48.1 | 202.4 | 49,800 | | | | | | | 125 |
| 130 | | | | | | | 20.5 | 169.6 | 49,400* | 34.4 | 188.2 | 50,300 | 44.1 | 197.5 | 47,300 | 52.0 | 201.9 | 44,400 | | | | 130 |
| 135 | | | | | | | 8.4 | 149.1 | 46,300* | 28.8 | 179.8 | 47,900 | 39.7 | 191.7 | 45,100 | 48.2 | 197.7 | 42,300 | | | | 135 |
| 140 | | | | | | | | | | 21.9 | 168.9 | 45,600 | 34.9 | 185.0 | 43,000 | 44.2 | 192.7 | 40,300 | | | | 140 |
| 145 | | | | | | | | | | 11.4 | 151.3 | 43,500 | 29.4 | 176.8 | 41,000 | 39.9 | 187.1 | 38,500 | 48.0 | 191.6 | 36,000 | 145 |
| 150 | | | | | | | | | | | | | 22.7 | 166.3 | 39,200 | 35.1 | 180.4 | 36,800 | 44.0 | 186.7 | 34,400 | 150 |
| 155 | | | | | | | | | | | | | 13.0 | 150.1 | 37,400 | 29.6 | 172.2 | 35,200 | 39.6 | 180.9 | 32,900 | 155 |
| 160 | | | | | | | | | | | | | | | | 23.0 | 161.8 | 33,600 | 34.8 | 174.2 | 31,500 | 160 |
| 165 | | | | | | | | | | | | | | | | 13.4 | 145.9 | 32,200 | 29.3 | 165.9 | 30,100 | 165 |
| 170 | | | | | | | | | | | | | | | | | | | 22.5 | 155.3 | 28,900 | 170 |
| 175 | | | | | | | | | | | | | | | | | | | 12.6 | 138.8 | 27,600 | 175 |

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

DESIGNED AND TESTED
WITH THE INTENT TO BE
THE SCOPE OF ANSI B30.5

M-250 SERIES 2

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING**

125 FT. BOOM, 110 FT. JIB

| JIB OPER. RAD. FEET | 88 DEGREE BOOM ANGLE | | | 83 DEGREE BOOM ANGLE | | | 80 DEGREE BOOM ANGLE | | | 75 DEGREE BOOM ANGLE | | | 70 DEGREE BOOM ANGLE | | | 65 DEGREE BOOM ANGLE | | | 60 DEGREE BOOM ANGLE | | | JIB OPER. RAD. FEET |
|------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|------------------------------|
| | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | |
| 50 | 73.8 | 244.0 | 109,600* | | | | | | | | | | | | | | | | | | | 50 |
| 55 | 71.1 | 242.3 | 103,600* | | | | | | | | | | | | | | | | | | | 55 |
| 60 | 68.3 | 240.4 | 98,100* | | | | | | | | | | | | | | | | | | | 60 |
| 65 | 65.4 | 238.2 | 93,100* | | | | | | | | | | | | | | | | | | | 65 |
| 70 | 62.5 | 235.7 | 88,500* | 68.9 | 239.4 | 98,400* | | | | | | | | | | | | | | | | 70 |
| 75 | 59.5 | 232.8 | 84,200* | 66.1 | 237.2 | 93,500* | | | | | | | | | | | | | | | | 75 |
| 80 | 56.4 | 229.6 | 80,400* | 63.2 | 234.8 | 89,000* | 67.0 | 236.6 | 94,500* | | | | | | | | | | | | | 80 |
| 85 | 53.2 | 226.0 | 76,600* | 60.2 | 232.0 | 84,800* | 64.2 | 234.2 | 89,900* | | | | | | | | | | | | | 85 |
| 90 | 49.8 | 221.9 | 70,300* | 57.2 | 228.9 | 80,900* | 61.2 | 231.6 | 84,400 | | | | | | | | | | | | | 90 |
| 95 | 46.3 | 217.3 | 64,900* | 54.0 | 225.4 | 77,300* | 58.2 | 228.6 | 78,800 | | | | | | | | | | | | | 95 |
| 100 | 42.5 | 212.1 | 60,100* | 50.6 | 221.4 | 71,700* | 55.0 | 225.2 | 73,900 | 61.7 | 229.0 | 69,700 | | | | | | | | | | 100 |
| 105 | 38.5 | 206.1 | 56,000* | 47.2 | 217.0 | 66,100* | 51.7 | 221.4 | 69,500 | 58.7 | 226.1 | 65,500 | | | | | | | | | | 105 |
| 110 | 34.0 | 199.1 | 52,200* | 43.4 | 211.9 | 61,200* | 48.3 | 217.1 | 65,500 | 55.6 | 222.8 | 61,800 | | | | | | | | | | 110 |
| 115 | 28.9 | 190.7 | 48,900* | 39.5 | 206.1 | 56,900* | 44.7 | 212.2 | 61,900 | 52.3 | 219.0 | 58,400 | | | | | | | | | | 115 |
| 120 | 22.8 | 180.1 | 45,900* | 35.1 | 199.4 | 53,100* | 40.8 | 206.7 | 58,300* | 48.9 | 214.8 | 55,300 | 55.9 | 219.2 | 52,000 | | | | | | | 120 |
| 125 | 14.3 | 164.6 | 42,800* | 30.2 | 191.3 | 49,700* | 36.6 | 200.3 | 54,300* | 45.3 | 210.1 | 52,500 | 52.7 | 215.5 | 49,300 | | | | | | | 125 |
| 130 | | | | 24.3 | 181.4 | 46,600* | 31.8 | 192.8 | 50,700* | 41.5 | 204.7 | 49,900 | 49.3 | 211.3 | 46,900 | | | | | | | 130 |
| 135 | | | | 16.7 | 167.5 | 43,800* | 26.4 | 183.5 | 47,600* | 37.3 | 198.4 | 47,500 | 45.7 | 206.7 | 44,600 | 52.8 | 210.7 | 41,800 | | | | 135 |
| 140 | | | | | | | 19.5 | 171.3 | 44,700* | 32.7 | 191.1 | 45,300 | 41.9 | 201.3 | 42,500 | 49.4 | 206.6 | 39,800 | | | | 140 |
| 145 | | | | | | | 7.9 | 149.7 | 42,000* | 27.4 | 182.2 | 43,200 | 37.8 | 195.2 | 40,600 | 45.8 | 201.9 | 38,000 | | | | 145 |
| 150 | | | | | | | | | | 20.8 | 170.7 | 41,300 | 33.2 | 188.0 | 38,800 | 42.0 | 196.6 | 36,300 | | | | 150 |
| 155 | | | | | | | | | | 10.9 | 152.2 | 39,400 | 28.0 | 179.3 | 37,100 | 37.9 | 190.5 | 34,700 | 45.6 | 195.9 | 32,400 | 155 |
| 160 | | | | | | | | | | | | | 21.6 | 168.2 | 35,500 | 33.4 | 183.4 | 33,200 | 41.8 | 190.5 | 31,000 | 160 |
| 165 | | | | | | | | | | | | | 12.4 | 151.1 | 33,900 | 28.2 | 174.7 | 31,800 | 37.7 | 184.4 | 29,700 | 165 |
| 170 | | | | | | | | | | | | | | | | 21.9 | 163.7 | 30,500 | 33.1 | 177.2 | 28,400 | 170 |
| 175 | | | | | | | | | | | | | | | | 12.8 | 147.0 | 29,200 | 27.8 | 168.4 | 27,300 | 175 |
| 180 | | | | | | | | | | | | | | | | | | | 21.4 | 157.2 | 26,100 | 180 |
| 185 | | | | | | | | | | | | | | | | | | | 12.0 | 139.8 | 25,000 | 185 |

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

DESIGNED AND TESTED
WITH THE INTENT TO BE
THE SCOPE OF ANSI B30.5

M-250 SERIES 2

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING**

125 FT. BOOM, 120 FT. JIB

| JIB OPER. RAD. FEET | 88 DEGREE BOOM ANGLE | | | 83 DEGREE BOOM ANGLE | | | 80 DEGREE BOOM ANGLE | | | 75 DEGREE BOOM ANGLE | | | 70 DEGREE BOOM ANGLE | | | 65 DEGREE BOOM ANGLE | | | 60 DEGREE BOOM ANGLE | | | JIB OPER. RAD. FEET |
|---------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|---------------------|
| | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | |
| 50 | 75.2 | 254.4 | 106,200* | | | | | | | | | | | | | | | | | | | 50 |
| 55 | 72.7 | 252.9 | 100,500* | | | | | | | | | | | | | | | | | | | 55 |
| 60 | 70.2 | 251.1 | 95,300* | | | | | | | | | | | | | | | | | | | 60 |
| 65 | 67.6 | 249.1 | 90,500* | | | | | | | | | | | | | | | | | | | 65 |
| 70 | 65.0 | 246.9 | 86,100* | 70.8 | 250.1 | 95,600* | | | | | | | | | | | | | | | | 70 |
| 75 | 62.3 | 244.3 | 82,100* | 68.2 | 248.1 | 91,000* | | | | | | | | | | | | | | | | 75 |
| 80 | 59.6 | 241.5 | 78,400* | 65.6 | 245.9 | 86,600* | | | | | | | | | | | | | | | | 80 |
| 85 | 56.7 | 238.3 | 74,900* | 62.9 | 243.5 | 82,700* | 66.5 | 245.3 | 87,600* | | | | | | | | | | | | | 85 |
| 90 | 53.8 | 234.7 | 69,900* | 60.2 | 240.7 | 79,000* | 63.8 | 242.9 | 83,500* | | | | | | | | | | | | | 90 |
| 95 | 50.8 | 230.8 | 64,500* | 57.4 | 237.6 | 75,500* | 61.1 | 240.2 | 78,300 | | | | | | | | | | | | | 95 |
| 100 | 47.6 | 226.4 | 59,700* | 54.5 | 234.1 | 71,400* | 58.3 | 237.3 | 73,400 | | | | | | | | | | | | | 100 |
| 105 | 44.2 | 221.4 | 55,500* | 51.5 | 230.3 | 65,700* | 55.4 | 233.9 | 69,000 | 61.6 | 237.7 | 65,000 | | | | | | | | | | 105 |
| 110 | 40.6 | 215.8 | 51,800* | 48.3 | 226.0 | 60,800* | 52.5 | 230.2 | 65,000 | 58.8 | 234.7 | 61,200 | | | | | | | | | | 110 |
| 115 | 36.8 | 209.4 | 48,500* | 45.0 | 221.1 | 56,500* | 49.4 | 226.0 | 61,500 | 55.9 | 231.5 | 57,800 | | | | | | | | | | 115 |
| 120 | 32.5 | 202.0 | 45,500* | 41.5 | 215.7 | 52,700* | 46.1 | 221.4 | 57,900* | 53.0 | 227.8 | 54,800 | | | | | | | | | | 120 |
| 125 | 27.6 | 193.2 | 42,700* | 37.7 | 209.5 | 49,200* | 42.7 | 216.2 | 53,900* | 49.9 | 223.7 | 51,900 | 56.3 | 227.9 | 48,700 | | | | | | | 125 |
| 130 | 21.8 | 182.0 | 40,200* | 33.5 | 202.4 | 46,200* | 39.0 | 210.3 | 50,300* | 46.7 | 219.2 | 49,400 | 53.3 | 224.3 | 46,300 | | | | | | | 130 |
| 135 | 13.6 | 165.7 | 37,700* | 28.8 | 193.9 | 43,400* | 34.9 | 203.5 | 47,100* | 43.3 | 214.1 | 47,000 | 50.3 | 220.2 | 44,000 | | | | | | | 135 |
| 140 | | | | 23.3 | 183.4 | 40,800* | 30.4 | 195.5 | 44,300* | 39.6 | 208.3 | 44,800 | 47.0 | 215.7 | 42,000 | | | | | | | 140 |
| 145 | | | | 15.9 | 168.9 | 38,500* | 25.2 | 185.8 | 41,600* | 35.6 | 201.7 | 42,800 | 43.6 | 210.7 | 40,000 | 50.4 | 215.5 | 37,400 | | | | 145 |
| 150 | | | | | | | 18.6 | 172.9 | 39,200* | 31.2 | 193.9 | 40,900 | 40.0 | 205.0 | 38,300 | 47.1 | 211.0 | 35,700 | | | | 150 |
| 155 | | | | | | | 7.6 | 150.3 | 37,000* | 26.2 | 184.5 | 39,100 | 36.1 | 198.5 | 36,600 | 43.8 | 206.0 | 34,100 | | | | 155 |
| 160 | | | | | | | | | | 19.9 | 172.4 | 37,400 | 31.7 | 190.8 | 35,000 | 40.1 | 200.3 | 32,700 | 46.9 | 205.0 | 30,400 | 160 |
| 165 | | | | | | | | | | 10.4 | 153.1 | 35,800 | 26.8 | 181.7 | 33,500 | 36.2 | 193.8 | 31,300 | 43.5 | 199.9 | 29,100 | 165 |
| 170 | | | | | | | | | | | | | 20.7 | 170.0 | 32,100 | 31.9 | 186.2 | 30,000 | 39.9 | 194.2 | 27,900 | 170 |
| 175 | | | | | | | | | | | | | 11.8 | 152.1 | 30,800 | 26.9 | 177.1 | 28,800 | 36.0 | 187.6 | 26,700 | 175 |
| 180 | | | | | | | | | | | | | | | | 20.9 | 165.5 | 27,600 | 31.6 | 180.0 | 25,600 | 180 |
| 185 | | | | | | | | | | | | | | | | 12.2 | 148.0 | 26,400 | 26.6 | 170.8 | 24,600 | 185 |
| 190 | | | | | | | | | | | | | | | | | | | 20.5 | 159.0 | 23,600 | 190 |
| 195 | | | | | | | | | | | | | | | | | | | 11.5 | 140.7 | 22,600 | 195 |

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

DESIGNED AND TESTED
WITH THE INTENT TO BE
THE SCOPE OF ANSI B30.5

M-250 SERIES 2

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING**

125 FT. BOOM, 130 FT. JIB

| JIB OPER. RAD. FEET | 88 DEGREE BOOM ANGLE | | | 83 DEGREE BOOM ANGLE | | | 80 DEGREE BOOM ANGLE | | | 75 DEGREE BOOM ANGLE | | | 70 DEGREE BOOM ANGLE | | | 65 DEGREE BOOM ANGLE | | | 60 DEGREE BOOM ANGLE | | | JIB OPER. RAD. FEET |
|------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|------------------------------|
| | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | |
| 55 | 74.1 | 263.3 | 97,600* | | | | | | | | | | | | | | | | | | | 55 |
| 60 | 71.8 | 261.7 | 92,700* | | | | | | | | | | | | | | | | | | | 60 |
| 65 | 69.4 | 259.9 | 88,200* | | | | | | | | | | | | | | | | | | | 65 |
| 70 | 67.0 | 257.9 | 84,000* | | | | | | | | | | | | | | | | | | | 70 |
| 75 | 64.6 | 255.6 | 80,200* | 70.0 | 258.9 | 88,600* | | | | | | | | | | | | | | | | 75 |
| 80 | 62.1 | 253.0 | 76,600* | 67.6 | 256.9 | 84,500* | | | | | | | | | | | | | | | | 80 |
| 85 | 59.6 | 250.1 | 73,300* | 65.2 | 254.6 | 80,700* | | | | | | | | | | | | | | | | 85 |
| 90 | 57.0 | 247.0 | 69,800* | 62.7 | 252.1 | 77,200* | 66.0 | 254.0 | 73,700 | | | | | | | | | | | | | 90 |
| 95 | 54.3 | 243.5 | 64,400* | 60.2 | 249.3 | 72,200 | 63.5 | 251.6 | 68,600 | | | | | | | | | | | | | 95 |
| 100 | 51.5 | 239.6 | 59,600* | 57.6 | 246.2 | 67,400 | 61.0 | 248.9 | 64,000 | | | | | | | | | | | | | 100 |
| 105 | 48.6 | 235.4 | 55,400* | 54.9 | 242.8 | 63,200 | 58.4 | 245.9 | 60,000 | | | | | | | | | | | | | 105 |
| 110 | 45.6 | 230.6 | 51,700* | 52.2 | 239.1 | 59,400 | 55.8 | 242.6 | 56,300 | 61.4 | 246.3 | 51,300 | | | | | | | | | | 110 |
| 115 | 42.4 | 225.3 | 48,300* | 49.3 | 234.9 | 55,900 | 53.1 | 239.0 | 53,000 | 58.9 | 243.4 | 48,200 | | | | | | | | | | 115 |
| 120 | 38.9 | 219.4 | 45,300* | 46.3 | 230.3 | 52,500* | 50.2 | 234.9 | 50,000 | 56.3 | 240.2 | 45,400 | | | | | | | | | | 120 |
| 125 | 35.2 | 212.6 | 42,600* | 43.1 | 225.1 | 49,100* | 47.3 | 230.5 | 47,300 | 53.6 | 236.6 | 42,900 | | | | | | | | | | 125 |
| 130 | 31.2 | 204.8 | 40,100* | 39.8 | 219.3 | 46,000* | 44.2 | 225.5 | 44,700 | 50.7 | 232.6 | 40,600 | 56.6 | 236.6 | 36,500 | | | | | | | 130 |
| 135 | 26.5 | 195.5 | 37,800* | 36.1 | 212.8 | 43,200* | 40.9 | 219.9 | 42,400 | 47.8 | 228.2 | 38,400 | 53.9 | 233.0 | 34,500 | | | | | | | 135 |
| 140 | 20.9 | 183.8 | 35,700* | 32.2 | 205.3 | 40,700* | 37.4 | 213.7 | 40,300 | 44.7 | 223.3 | 36,400 | 51.1 | 229.1 | 32,700 | | | | | | | 140 |
| 145 | 13.1 | 166.8 | 33,400* | 27.7 | 196.4 | 38,400* | 33.5 | 206.5 | 38,300 | 41.5 | 217.9 | 34,600 | 48.1 | 224.8 | 31,000 | | | | | | | 145 |
| 150 | | | | 22.3 | 185.4 | 36,200* | 29.2 | 198.1 | 36,400 | 38.0 | 211.7 | 32,900 | 45.1 | 219.9 | 29,400 | 51.1 | 224.3 | 26,000 | | | | 150 |
| 155 | | | | 15.3 | 170.2 | 34,300* | 24.2 | 187.9 | 34,600 | 34.2 | 204.7 | 31,300 | 41.8 | 214.5 | 27,900 | 48.2 | 220.0 | 24,700 | | | | 155 |
| 160 | | | | | | | 17.9 | 174.5 | 33,000 | 30.0 | 196.6 | 29,800 | 38.4 | 208.5 | 26,500 | 45.2 | 215.2 | 23,400 | | | | 160 |
| 165 | | | | | | | 7.2 | 150.9 | 31,300 | 25.1 | 186.8 | 28,300 | 34.6 | 201.6 | 25,200 | 41.9 | 209.8 | 22,200 | | | | 165 |
| 170 | | | | | | | | | | 19.1 | 174.1 | 27,000 | 30.5 | 193.6 | 24,000 | 38.5 | 203.8 | 21,100 | 45.0 | 209.2 | 18,300 | 170 |
| 175 | | | | | | | | | | 9.9 | 154.0 | 25,600 | 25.7 | 184.0 | 22,900 | 34.7 | 196.9 | 20,000 | 41.7 | 203.8 | 17,300 | 175 |
| 180 | | | | | | | | | | | | | 19.8 | 171.7 | 21,800 | 30.6 | 189.0 | 19,000 | 38.3 | 197.7 | 16,400 | 180 |
| 185 | | | | | | | | | | | | | 11.3 | 153.1 | 20,600 | 25.8 | 179.4 | 18,100 | 34.5 | 190.8 | 15,500 | 185 |
| 190 | | | | | | | | | | | | | | | | 20.1 | 167.3 | 17,200 | 30.3 | 182.7 | 14,700 | 190 |
| 195 | | | | | | | | | | | | | | | | 11.7 | 149.0 | 16,300 | 25.5 | 173.0 | 13,900 | 195 |
| 200 | | | | | | | | | | | | | | | | | | | 19.6 | 160.7 | 13,200 | 200 |
| 205 | | | | | | | | | | | | | | | | | | | 11.0 | 141.7 | 12,400 | 205 |

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

DESIGNED AND TESTED
WITH THE INTENT TO BE
THE SCOPE OF ANSI B30.5

M-250 SERIES 2

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING**

125 FT. BOOM, 140 FT. JIB

| JIB OPER. RAD. FEET | 88 DEGREE BOOM ANGLE | | | 83 DEGREE BOOM ANGLE | | | 80 DEGREE BOOM ANGLE | | | 75 DEGREE BOOM ANGLE | | | 70 DEGREE BOOM ANGLE | | | 65 DEGREE BOOM ANGLE | | | 60 DEGREE BOOM ANGLE | | | JIB OPER. RAD. FEET |
|------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|------------------------------|
| | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | |
| 55 | 75.2 | 273.7 | 94,400* | | | | | | | | | | | | | | | | | | | 55 |
| 60 | 73.1 | 272.3 | 89,900* | | | | | | | | | | | | | | | | | | | 60 |
| 65 | 70.9 | 270.6 | 85,600* | | | | | | | | | | | | | | | | | | | 65 |
| 70 | 68.8 | 268.7 | 81,600* | | | | | | | | | | | | | | | | | | | 70 |
| 75 | 66.5 | 266.6 | 78,000* | | | | | | | | | | | | | | | | | | | 75 |
| 80 | 64.3 | 264.2 | 74,600* | 69.3 | 267.7 | 82,000* | | | | | | | | | | | | | | | | 80 |
| 85 | 62.0 | 261.7 | 71,400* | 67.1 | 265.6 | 78,400* | | | | | | | | | | | | | | | | 85 |
| 90 | 59.6 | 258.8 | 68,400* | 64.8 | 263.3 | 75,100* | 67.8 | 264.9 | 73,000 | | | | | | | | | | | | | 90 |
| 95 | 57.2 | 255.7 | 64,000* | 62.5 | 260.8 | 71,600 | 65.5 | 262.7 | 67,900 | | | | | | | | | | | | | 95 |
| 100 | 54.7 | 252.2 | 59,200* | 60.2 | 258.0 | 66,800 | 63.3 | 260.3 | 63,400 | | | | | | | | | | | | | 100 |
| 105 | 52.2 | 248.4 | 55,000* | 57.8 | 254.9 | 62,600 | 60.9 | 257.6 | 59,300 | | | | | | | | | | | | | 105 |
| 110 | 49.5 | 244.3 | 51,200* | 55.3 | 251.6 | 58,800 | 58.6 | 254.6 | 55,700 | | | | | | | | | | | | | 110 |
| 115 | 46.7 | 239.7 | 47,900* | 52.8 | 247.9 | 55,300 | 56.1 | 251.3 | 52,400 | 61.3 | 255.0 | 47,500 | | | | | | | | | | 115 |
| 120 | 43.8 | 234.7 | 44,800* | 50.1 | 243.8 | 52,100* | 53.6 | 247.7 | 49,400 | 59.0 | 252.1 | 44,700 | | | | | | | | | | 120 |
| 125 | 40.7 | 229.1 | 42,100* | 47.4 | 239.3 | 48,700* | 51.0 | 243.8 | 46,600 | 56.5 | 248.9 | 42,200 | | | | | | | | | | 125 |
| 130 | 37.5 | 222.8 | 39,600* | 44.5 | 234.4 | 45,600* | 48.3 | 239.5 | 44,100 | 54.0 | 245.3 | 39,900 | | | | | | | | | | 130 |
| 135 | 33.9 | 215.7 | 37,400* | 41.5 | 228.9 | 42,800* | 45.5 | 234.7 | 41,800 | 51.4 | 241.4 | 37,700 | 56.8 | 245.3 | 33,700 | | | | | | | 135 |
| 140 | 30.0 | 207.5 | 35,300* | 38.2 | 222.8 | 40,200* | 42.5 | 229.4 | 39,700 | 48.8 | 237.2 | 35,700 | 54.3 | 241.8 | 31,900 | | | | | | | 140 |
| 145 | 25.5 | 197.8 | 33,400* | 34.8 | 215.9 | 37,900* | 39.3 | 223.5 | 37,700 | 45.9 | 232.5 | 33,900 | 51.7 | 237.9 | 30,200 | | | | | | | 145 |
| 150 | 20.1 | 185.6 | 31,600* | 30.9 | 208.0 | 35,800* | 35.9 | 216.9 | 35,800 | 43.0 | 227.3 | 32,200 | 49.1 | 233.7 | 28,700 | | | | | | | 150 |
| 155 | 12.6 | 167.9 | 29,600* | 26.6 | 198.7 | 33,800* | 32.2 | 209.4 | 34,100 | 39.9 | 221.5 | 30,600 | 46.3 | 229.1 | 27,200 | 51.8 | 233.2 | 23,900 | | | | 155 |
| 160 | | | | 21.5 | 187.2 | 32,000* | 28.1 | 200.6 | 32,500 | 36.5 | 215.1 | 29,100 | 43.3 | 223.9 | 25,800 | 49.1 | 229.0 | 22,600 | | | | 160 |
| 165 | | | | 14.7 | 171.4 | 30,300* | 23.3 | 189.9 | 31,000 | 32.9 | 207.7 | 27,700 | 40.2 | 218.2 | 24,600 | 46.4 | 224.3 | 21,500 | | | | 165 |
| 170 | | | | | | | 17.2 | 176.0 | 29,500 | 28.8 | 199.2 | 26,400 | 36.9 | 211.8 | 23,400 | 43.4 | 219.2 | 20,400 | | | | 170 |
| 175 | | | | | | | 7.0 | 151.5 | 28,000 | 24.2 | 188.9 | 25,200 | 33.3 | 204.6 | 22,200 | 40.3 | 213.5 | 19,300 | 46.2 | 218.3 | 16,500 | 175 |
| 180 | | | | | | | | | | 18.4 | 175.7 | 24,000 | 29.3 | 196.2 | 21,100 | 37.0 | 207.2 | 18,300 | 43.2 | 213.2 | 15,600 | 180 |
| 185 | | | | | | | | | | 9.6 | 154.8 | 22,800 | 24.7 | 186.1 | 20,100 | 33.4 | 200.0 | 17,400 | 40.1 | 207.4 | 14,800 | 185 |
| 190 | | | | | | | | | | | | | 19.1 | 173.4 | 19,100 | 29.4 | 191.6 | 16,500 | 36.8 | 201.0 | 14,000 | 190 |
| 195 | | | | | | | | | | | | | 10.9 | 154.0 | 18,100 | 24.9 | 181.6 | 15,700 | 33.2 | 193.7 | 13,200 | 195 |
| 200 | | | | | | | | | | | | | | | | 19.3 | 169.0 | 14,900 | 29.2 | 185.3 | 12,500 | 200 |
| 205 | | | | | | | | | | | | | | | | 11.2 | 150.0 | 14,000 | 24.6 | 175.2 | 11,800 | 205 |
| 210 | | | | | | | | | | | | | | | | | | | 18.9 | 162.3 | 11,100 | 210 |
| 215 | | | | | | | | | | | | | | | | | | | 10.6 | 142.6 | 10,400 | 215 |

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

DESIGNED AND TESTED
WITH THE INTENT TO BE
THE SCOPE OF ANSI B30.5

M-250 SERIES 2

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING**

125 FT. BOOM, 150 FT. JIB

| JIB OPER. RAD. FEET | 88 DEGREE BOOM ANGLE | | | 83 DEGREE BOOM ANGLE | | | 80 DEGREE BOOM ANGLE | | | 75 DEGREE BOOM ANGLE | | | 70 DEGREE BOOM ANGLE | | | 65 DEGREE BOOM ANGLE | | | 60 DEGREE BOOM ANGLE | | | JIB OPER. RAD. FEET |
|------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|------------------------------|
| | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | |
| 60 | 74.3 | 282.7 | 86,300* | | | | | | | | | | | | | | | | | | | 60 |
| 65 | 72.3 | 281.2 | 82,400* | | | | | | | | | | | | | | | | | | | 65 |
| 70 | 70.2 | 279.4 | 78,700* | | | | | | | | | | | | | | | | | | | 70 |
| 75 | 68.2 | 277.5 | 75,300* | | | | | | | | | | | | | | | | | | | 75 |
| 80 | 66.1 | 275.3 | 72,100* | 70.7 | 278.3 | 79,000* | | | | | | | | | | | | | | | | 80 |
| 85 | 64.0 | 272.9 | 69,100* | 68.7 | 276.4 | 75,700* | | | | | | | | | | | | | | | | 85 |
| 90 | 61.8 | 270.3 | 66,300* | 66.6 | 274.3 | 72,600* | | | | | | | | | | | | | | | | 90 |
| 95 | 59.6 | 267.5 | 63,700* | 64.5 | 272.0 | 69,600* | 67.3 | 273.7 | 67,200 | | | | | | | | | | | | | 95 |
| 100 | 57.4 | 264.3 | 60,200* | 62.4 | 269.5 | 66,200 | 65.2 | 271.4 | 62,700 | | | | | | | | | | | | | 100 |
| 105 | 55.1 | 260.9 | 55,900* | 60.2 | 266.7 | 62,000 | 63.1 | 268.9 | 58,700 | | | | | | | | | | | | | 105 |
| 110 | 52.7 | 257.2 | 52,000* | 57.9 | 263.6 | 58,200 | 60.9 | 266.2 | 55,000 | | | | | | | | | | | | | 110 |
| 115 | 50.2 | 253.2 | 48,600* | 55.6 | 260.3 | 54,700 | 58.7 | 263.3 | 51,700 | | | | | | | | | | | | | 115 |
| 120 | 47.7 | 248.7 | 45,500* | 53.3 | 256.6 | 51,600 | 56.4 | 260.0 | 48,700 | 61.3 | 263.7 | 44,000 | | | | | | | | | | 120 |
| 125 | 45.0 | 243.9 | 42,700* | 50.8 | 252.7 | 48,700 | 54.0 | 256.5 | 46,000 | 59.0 | 260.7 | 41,500 | | | | | | | | | | 125 |
| 130 | 42.2 | 238.6 | 40,100* | 48.3 | 248.3 | 46,100 | 51.6 | 252.6 | 43,500 | 56.8 | 257.5 | 39,200 | | | | | | | | | | 130 |
| 135 | 39.3 | 232.7 | 37,800* | 45.7 | 243.6 | 43,300* | 49.1 | 248.4 | 41,200 | 54.4 | 254.1 | 37,100 | | | | | | | | | | 135 |
| 140 | 36.1 | 226.1 | 35,700* | 42.9 | 238.4 | 40,700* | 46.5 | 243.8 | 39,100 | 52.0 | 250.3 | 35,100 | 57.0 | 253.9 | 31,200 | | | | | | | 140 |
| 145 | 32.7 | 218.6 | 33,700* | 40.0 | 232.6 | 38,400* | 43.8 | 238.7 | 37,100 | 49.6 | 246.1 | 33,300 | 54.7 | 250.5 | 29,600 | | | | | | | 145 |
| 150 | 28.9 | 210.1 | 31,900* | 36.9 | 226.2 | 36,200* | 41.0 | 233.2 | 35,300 | 47.0 | 241.6 | 31,600 | 52.3 | 246.7 | 28,000 | | | | | | | 150 |
| 155 | 24.6 | 200.0 | 30,200* | 33.5 | 219.0 | 34,200* | 37.9 | 227.0 | 33,600 | 44.3 | 236.6 | 30,000 | 49.8 | 242.6 | 26,600 | | | | | | | 155 |
| 160 | 19.4 | 187.3 | 28,400* | 29.8 | 210.7 | 32,400* | 34.7 | 220.0 | 32,000 | 41.5 | 231.1 | 28,600 | 47.3 | 238.1 | 25,200 | 52.4 | 242.0 | 21,900 | | | | 160 |
| 165 | 12.1 | 169.0 | 25,600* | 25.7 | 201.0 | 30,600* | 31.1 | 212.2 | 30,400 | 38.5 | 225.0 | 27,200 | 44.6 | 233.2 | 23,900 | 49.9 | 237.9 | 20,800 | | | | 165 |
| 170 | | | | 20.7 | 189.1 | 29,100* | 27.1 | 203.0 | 29,000 | 35.2 | 218.3 | 25,900 | 41.8 | 227.8 | 22,700 | 47.4 | 233.4 | 19,700 | | | | 170 |
| 175 | | | | 14.2 | 172.7 | 27,600* | 22.5 | 191.9 | 27,700 | 31.7 | 210.5 | 24,600 | 38.8 | 221.8 | 21,600 | 44.7 | 228.5 | 18,700 | | | | 175 |
| 180 | | | | | | | 16.6 | 177.4 | 26,400 | 27.8 | 201.6 | 23,500 | 35.6 | 215.1 | 20,600 | 41.9 | 223.1 | 17,700 | | | | 180 |
| 185 | | | | | | | 6.7 | 152.1 | 25,100 | 23.3 | 190.9 | 22,400 | 32.1 | 207.5 | 19,600 | 38.9 | 217.1 | 16,800 | 47.2 | 227.4 | 15,000 | 185 |
| 190 | | | | | | | | | | 17.7 | 177.2 | 21,300 | 28.3 | 198.7 | 18,600 | 35.7 | 210.4 | 15,900 | 44.5 | 222.4 | 14,100 | 190 |
| 195 | | | | | | | | | | 9.2 | 155.5 | 20,200 | 23.8 | 188.2 | 17,700 | 32.2 | 202.9 | 15,100 | 41.7 | 217.0 | 13,300 | 195 |
| 200 | | | | | | | | | | | | | 18.4 | 175.0 | 16,800 | 28.4 | 194.1 | 14,300 | 38.7 | 211.0 | 12,600 | 200 |
| 205 | | | | | | | | | | | | | 10.5 | 154.9 | 15,900 | 24.0 | 183.7 | 13,500 | 35.5 | 204.2 | 11,900 | 205 |
| 210 | | | | | | | | | | | | | | | | 18.6 | 170.6 | 12,800 | 32.0 | 196.6 | 11,200 | 210 |
| 215 | | | | | | | | | | | | | | | | 10.8 | 150.9 | 12,100 | 28.2 | 187.8 | 10,500 | 215 |
| 220 | | | | | | | | | | | | | | | | | | | 23.7 | 177.3 | 9,900 | 220 |
| 225 | | | | | | | | | | | | | | | | | | | 18.2 | 163.9 | 9,300 | 225 |
| | | | | | | | | | | | | | | | | | | | 10.2 | 143.4 | 8,600 | 225 |

MANITOWOC ENGINEERING CO.

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LIFTCRANE LUFFING JIB CAPACITIES

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M-250 SERIES 2

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING**

125 FT. BOOM, 160 FT. JIB

| JIB OPER. RAD. FEET | 88 DEGREE BOOM ANGLE | | | 83 DEGREE BOOM ANGLE | | | 80 DEGREE BOOM ANGLE | | | 75 DEGREE BOOM ANGLE | | | 70 DEGREE BOOM ANGLE | | | 65 DEGREE BOOM ANGLE | | | 60 DEGREE BOOM ANGLE | | | JIB OPER. RAD. FEET |
|---------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|---------------------|
| | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | |
| 60 | 75.3 | 293.1 | 81,600* | | | | | | | | | | | | | | | | | | | 60 |
| 65 | 73.4 | 291.6 | 78,500* | | | | | | | | | | | | | | | | | | | 65 |
| 70 | 71.5 | 290.0 | 76,200* | | | | | | | | | | | | | | | | | | | 70 |
| 75 | 69.6 | 288.2 | 73,000* | | | | | | | | | | | | | | | | | | | 75 |
| 80 | 67.7 | 286.2 | 70,000* | | | | | | | | | | | | | | | | | | | 80 |
| 85 | 65.7 | 284.0 | 67,200* | 70.1 | 287.2 | 73,300* | | | | | | | | | | | | | | | | 85 |
| 90 | 63.8 | 281.6 | 64,500* | 68.1 | 285.2 | 70,400* | | | | | | | | | | | | | | | | 90 |
| 95 | 61.7 | 279.0 | 62,000* | 66.2 | 283.1 | 67,600* | | | | | | | | | | | | | | | | 95 |
| 100 | 59.7 | 276.1 | 59,600* | 64.2 | 280.7 | 65,000* | 66.8 | 282.4 | 62,000 | | | | | | | | | | | | | 100 |
| 105 | 57.6 | 273.0 | 55,400* | 62.2 | 278.1 | 61,300 | 64.9 | 280.1 | 58,000 | | | | | | | | | | | | | 105 |
| 110 | 55.4 | 269.6 | 51,500* | 60.2 | 275.3 | 57,500 | 62.9 | 277.6 | 54,300 | | | | | | | | | | | | | 110 |
| 115 | 53.2 | 266.0 | 48,100* | 58.1 | 272.3 | 54,100 | 60.8 | 274.9 | 51,100 | | | | | | | | | | | | | 115 |
| 120 | 50.9 | 262.0 | 45,000* | 55.9 | 269.0 | 51,000 | 58.7 | 271.9 | 48,100 | | | | | | | | | | | | | 120 |
| 125 | 48.5 | 257.7 | 42,200* | 53.7 | 265.4 | 48,100 | 56.6 | 268.7 | 45,400 | 61.2 | 272.3 | 40,800 | | | | | | | | | | 125 |
| 130 | 46.1 | 253.0 | 39,600* | 51.4 | 261.5 | 45,500 | 54.4 | 265.2 | 42,900 | 59.1 | 269.4 | 38,500 | | | | | | | | | | 130 |
| 135 | 43.5 | 247.9 | 37,300* | 49.1 | 257.3 | 42,800* | 52.2 | 261.4 | 40,600 | 57.0 | 266.2 | 36,400 | | | | | | | | | | 135 |
| 140 | 40.8 | 242.3 | 35,200* | 46.7 | 252.7 | 40,200* | 49.9 | 257.3 | 38,400 | 54.8 | 262.8 | 34,400 | | | | | | | | | | 140 |
| 145 | 38.0 | 236.1 | 33,200* | 44.1 | 247.7 | 37,800* | 47.5 | 252.8 | 36,500 | 52.6 | 259.0 | 32,600 | 57.2 | 262.6 | 28,800 | | | | | | | 145 |
| 150 | 34.9 | 229.2 | 31,400* | 41.5 | 242.2 | 35,700* | 45.0 | 248.0 | 34,700 | 50.3 | 255.0 | 30,900 | 55.0 | 259.2 | 27,200 | | | | | | | 150 |
| 155 | 31.6 | 221.5 | 29,700* | 38.7 | 236.1 | 33,700* | 42.3 | 242.6 | 32,900 | 47.9 | 250.6 | 29,300 | 52.8 | 255.5 | 25,800 | | | | | | | 155 |
| 160 | 28.0 | 212.6 | 28,200* | 35.7 | 229.4 | 31,800* | 39.6 | 236.8 | 31,400 | 45.4 | 245.8 | 27,900 | 50.5 | 251.5 | 24,500 | | | | | | | 160 |
| 165 | 23.8 | 202.1 | 26,700* | 32.4 | 221.9 | 30,100* | 36.7 | 230.3 | 29,900 | 42.8 | 240.5 | 26,500 | 48.1 | 247.1 | 23,200 | 52.9 | 250.7 | 20,000 | | | | 165 |
| 170 | 18.8 | 188.9 | 25,300* | 28.9 | 213.3 | 28,500* | 33.5 | 223.1 | 28,500 | 40.1 | 234.8 | 25,200 | 45.7 | 242.4 | 22,000 | 50.6 | 246.7 | 18,900 | | | | 170 |
| 175 | 11.7 | 170.0 | 22,600* | 24.8 | 203.2 | 27,100* | 30.1 | 214.8 | 27,100 | 37.2 | 228.4 | 24,000 | 43.1 | 237.2 | 20,900 | 48.2 | 242.4 | 17,900 | | | | 175 |
| 180 | | | | 20.0 | 190.8 | 25,700* | 26.2 | 205.3 | 25,900 | 34.1 | 221.3 | 22,900 | 40.4 | 231.5 | 19,900 | 45.8 | 237.6 | 17,000 | | | | 180 |
| 185 | | | | 13.7 | 173.8 | 24,400* | 21.7 | 193.8 | 24,700 | 30.7 | 213.3 | 21,800 | 37.5 | 225.2 | 18,900 | 43.2 | 232.5 | 16,100 | | | | 185 |
| 190 | | | | | | | 16.0 | 178.8 | 23,500 | 26.9 | 204.0 | 20,700 | 34.4 | 218.2 | 17,900 | 40.5 | 226.8 | 15,200 | 45.6 | 231.6 | 12,600 | 190 |
| 195 | | | | | | | 6.5 | 152.6 | 22,400 | 22.5 | 192.9 | 19,700 | 31.1 | 210.3 | 17,000 | 37.6 | 220.5 | 14,400 | 43.0 | 226.4 | 11,800 | 195 |
| 200 | | | | | | | | | | 17.1 | 178.7 | 18,800 | 27.3 | 201.1 | 16,200 | 34.5 | 213.5 | 13,600 | 40.3 | 220.7 | 11,100 | 200 |
| 205 | | | | | | | | | | 8.9 | 156.3 | 17,800 | 23.1 | 190.3 | 15,400 | 31.2 | 205.6 | 12,900 | 37.4 | 214.4 | 10,500 | 205 |
| 210 | | | | | | | | | | | | | 17.8 | 176.5 | 14,600 | 27.5 | 196.6 | 12,200 | 34.3 | 207.3 | 9,800 | 210 |
| 215 | | | | | | | | | | | | | 10.2 | 155.7 | 13,800 | 23.2 | 185.8 | 11,500 | 31.0 | 199.4 | 9,200 | 215 |
| 220 | | | | | | | | | | | | | | | | 18.0 | 172.2 | 10,800 | 27.2 | 190.2 | 8,600 | 220 |
| 225 | | | | | | | | | | | | | | | | 10.5 | 151.8 | 10,100 | 22.9 | 179.3 | 8,000 | 225 |
| 230 | | | | | | | | | | | | | | | | | | | 17.6 | 165.4 | 7,500 | 230 |
| 235 | | | | | | | | | | | | | | | | | | | 9.8 | 144.3 | 6,900 | 235 |

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

DESIGNED AND TESTED
WITH THE INTENT TO BE
THE SCOPE OF ANSI B30.5

M-250 SERIES 2

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING**

125 FT. BOOM, 170 FT. JIB

| JIB OPER. RAD. FEET | 88 DEGREE BOOM ANGLE | | | 83 DEGREE BOOM ANGLE | | | 80 DEGREE BOOM ANGLE | | | 75 DEGREE BOOM ANGLE | | | 70 DEGREE BOOM ANGLE | | | 65 DEGREE BOOM ANGLE | | | 60 DEGREE BOOM ANGLE | | | JIB OPER. RAD. FEET |
|---------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|---------------------|
| | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | |
| 65 | 74.4 | 302.1 | 74,000* | | | | | | | | | | | | | | | | | | | 65 |
| 70 | 72.7 | 300.6 | 71,600* | | | | | | | | | | | | | | | | | | | 70 |
| 75 | 70.9 | 298.9 | 69,200* | | | | | | | | | | | | | | | | | | | 75 |
| 80 | 69.1 | 297.0 | 68,100* | | | | | | | | | | | | | | | | | | | 80 |
| 85 | 67.3 | 295.0 | 65,400* | | | | | | | | | | | | | | | | | | | 85 |
| 90 | 65.4 | 292.7 | 62,900* | 69.5 | 296.0 | 66,900* | | | | | | | | | | | | | | | | 90 |
| 95 | 63.5 | 290.3 | 60,500* | 67.7 | 294.0 | 64,700* | | | | | | | | | | | | | | | | 95 |
| 100 | 61.6 | 287.6 | 58,200* | 65.8 | 291.8 | 63,300* | | | | | | | | | | | | | | | | 100 |
| 105 | 59.7 | 284.8 | 55,100* | 64.0 | 289.4 | 61,000* | 66.4 | 291.1 | 57,600 | | | | | | | | | | | | | 105 |
| 110 | 57.7 | 281.7 | 51,200* | 62.1 | 286.8 | 57,200 | 64.6 | 288.8 | 54,000 | | | | | | | | | | | | | 110 |
| 115 | 55.7 | 278.4 | 47,800* | 60.1 | 284.0 | 53,700 | 62.7 | 286.3 | 50,700 | | | | | | | | | | | | | 115 |
| 120 | 53.6 | 274.7 | 44,700* | 58.2 | 280.9 | 50,600 | 60.8 | 283.5 | 47,700 | | | | | | | | | | | | | 120 |
| 125 | 51.5 | 270.9 | 41,900* | 56.2 | 277.7 | 47,800 | 58.8 | 280.6 | 45,000 | 63.0 | 283.7 | 40,400 | | | | | | | | | | 125 |
| 130 | 49.3 | 266.6 | 39,300* | 54.1 | 274.1 | 45,200 | 56.8 | 277.4 | 42,500 | 61.1 | 281.0 | 38,100 | | | | | | | | | | 130 |
| 135 | 47.0 | 262.1 | 37,000* | 52.0 | 270.3 | 42,500* | 54.8 | 273.9 | 40,200 | 59.2 | 278.1 | 36,000 | | | | | | | | | | 135 |
| 140 | 44.6 | 257.2 | 34,900* | 49.8 | 266.2 | 39,900* | 52.7 | 270.2 | 38,100 | 57.2 | 274.9 | 34,000 | | | | | | | | | | 140 |
| 145 | 42.1 | 251.8 | 32,900* | 47.5 | 261.7 | 37,500* | 50.5 | 266.2 | 36,100 | 55.1 | 271.5 | 32,200 | | | | | | | | | | 145 |
| 150 | 39.5 | 245.9 | 31,100* | 45.2 | 256.9 | 35,400* | 48.3 | 261.8 | 34,300 | 53.0 | 267.8 | 30,600 | 57.4 | 271.3 | 26,900 | | | | | | | 150 |
| 155 | 36.8 | 239.4 | 29,400* | 42.7 | 251.6 | 33,400* | 46.0 | 257.1 | 32,600 | 50.9 | 263.8 | 29,000 | 55.3 | 267.9 | 25,400 | | | | | | | 155 |
| 160 | 33.8 | 232.3 | 27,900* | 40.2 | 245.8 | 31,500* | 43.5 | 252.0 | 31,000 | 48.7 | 259.5 | 27,500 | 53.3 | 264.3 | 24,100 | | | | | | | 160 |
| 165 | 30.6 | 224.2 | 26,400* | 37.4 | 239.5 | 29,800* | 41.0 | 246.4 | 29,600 | 46.4 | 254.9 | 26,200 | 51.1 | 260.3 | 22,900 | | | | | | | 165 |
| 170 | 27.1 | 215.0 | 25,100* | 34.6 | 232.5 | 28,200* | 38.3 | 240.3 | 28,200 | 44.0 | 249.8 | 24,900 | 48.9 | 256.1 | 21,700 | | | | | | | 170 |
| 175 | 23.1 | 204.1 | 23,800* | 31.4 | 224.7 | 26,800* | 35.5 | 233.5 | 26,800 | 41.5 | 244.3 | 23,700 | 46.6 | 251.5 | 20,600 | 51.2 | 255.6 | 17,600 | | | | 175 |
| 180 | 18.2 | 190.5 | 22,600* | 28.0 | 215.8 | 25,400* | 32.5 | 226.0 | 25,600 | 38.8 | 238.3 | 22,500 | 44.2 | 246.4 | 19,500 | 49.0 | 251.3 | 16,600 | | | | 180 |
| 185 | 11.4 | 170.9 | 20,100* | 24.1 | 205.3 | 24,100* | 29.1 | 217.4 | 24,400 | 36.0 | 231.7 | 21,500 | 41.7 | 241.0 | 18,600 | 46.7 | 246.7 | 15,700 | | | | 185 |
| 190 | | | | 19.4 | 192.5 | 22,900* | 25.4 | 207.6 | 23,300 | 33.0 | 224.3 | 20,400 | 39.1 | 235.0 | 17,600 | 44.3 | 241.7 | 14,900 | | | | 190 |
| 195 | | | | 13.3 | 175.0 | 21,700* | 21.0 | 195.7 | 22,200 | 29.7 | 215.9 | 19,500 | 36.3 | 228.5 | 16,700 | 41.8 | 236.3 | 14,100 | 46.5 | 240.7 | 11,500 | 195 |
| 200 | | | | | | | 15.6 | 180.1 | 21,200 | 26.1 | 206.3 | 18,600 | 33.3 | 221.2 | 15,900 | 39.2 | 230.4 | 13,300 | 44.2 | 235.7 | 10,800 | 200 |
| 205 | | | | | | | 6.3 | 153.1 | 20,200* | 21.8 | 194.8 | 17,700 | 30.1 | 212.9 | 15,100 | 36.4 | 223.8 | 12,600 | 41.7 | 230.2 | 10,100 | 205 |
| 210 | | | | | | | | | | 16.6 | 180.2 | 16,800 | 26.5 | 203.5 | 14,300 | 33.4 | 216.5 | 11,900 | 39.0 | 224.2 | 9,500 | 210 |
| 215 | | | | | | | | | | 8.6 | 157.0 | 15,900 | 22.3 | 192.2 | 13,600 | 30.2 | 208.3 | 11,200 | 36.2 | 217.7 | 8,900 | 215 |
| 220 | | | | | | | | | | | | | 17.3 | 178.0 | 12,900 | 26.6 | 198.9 | 10,600 | 33.3 | 210.3 | 8,300 | 220 |
| 225 | | | | | | | | | | | | | 9.8 | 156.6 | 12,100 | 22.5 | 187.8 | 9,900 | 30.0 | 202.1 | 7,800 | 225 |
| 230 | | | | | | | | | | | | | | | | 17.5 | 173.7 | 9,300 | 26.4 | 192.6 | 7,200 | 230 |
| 235 | | | | | | | | | | | | | | | | 10.2 | 152.6 | 8,700 | 22.2 | 181.3 | 6,700 | 235 |
| 240 | | | | | | | | | | | | | | | | | | | 17.1 | 166.9 | 6,200 | 240 |
| 245 | | | | | | | | | | | | | | | | | | | 9.5 | 145.1 | 5,700 | 245 |

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

DESIGNED AND TESTED
WITH THE INTENT TO BE
THE SCOPE OF ANSI B30.5

M-250 SERIES 2

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING**

125 FT. BOOM, 180 FT. JIB

| JIB OPER. RAD. FEET | 88 DEGREE BOOM ANGLE | | | 83 DEGREE BOOM ANGLE | | | 80 DEGREE BOOM ANGLE | | | 75 DEGREE BOOM ANGLE | | | 70 DEGREE BOOM ANGLE | | | 65 DEGREE BOOM ANGLE | | | 60 DEGREE BOOM ANGLE | | | JIB OPER. RAD. FEET |
|---------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|---------------------|
| | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | |
| 65 | 75.3 | 312.5 | 69,700* | | | | | | | | | | | | | | | | | | | 65 |
| 70 | 73.6 | 311.0 | 67,800* | | | | | | | | | | | | | | | | | | | 70 |
| 75 | 72.0 | 309.4 | 65,900* | | | | | | | | | | | | | | | | | | | 75 |
| 80 | 70.3 | 307.7 | 64,300* | | | | | | | | | | | | | | | | | | | 80 |
| 85 | 68.6 | 305.8 | 62,500* | | | | | | | | | | | | | | | | | | | 85 |
| 90 | 66.9 | 303.7 | 61,000* | 70.7 | 306.6 | 63,300* | | | | | | | | | | | | | | | | 90 |
| 95 | 65.1 | 301.4 | 58,700* | 69.0 | 304.7 | 61,500* | | | | | | | | | | | | | | | | 95 |
| 100 | 63.3 | 299.0 | 56,600* | 67.3 | 302.7 | 59,800* | | | | | | | | | | | | | | | | 100 |
| 105 | 61.5 | 296.3 | 54,500* | 65.5 | 300.5 | 58,400* | 67.8 | 302.0 | 56,900 | | | | | | | | | | | | | 105 |
| 110 | 59.7 | 293.4 | 50,700* | 63.8 | 298.1 | 56,500 | 66.1 | 299.8 | 53,300 | | | | | | | | | | | | | 110 |
| 115 | 57.8 | 290.4 | 47,200* | 62.0 | 295.4 | 53,100 | 64.3 | 297.5 | 50,000 | | | | | | | | | | | | | 115 |
| 120 | 55.9 | 287.1 | 44,100* | 60.1 | 292.6 | 50,000 | 62.5 | 295.0 | 47,000 | | | | | | | | | | | | | 120 |
| 125 | 54.0 | 283.5 | 41,300* | 58.3 | 289.6 | 47,200 | 60.7 | 292.2 | 44,300 | | | | | | | | | | | | | 125 |
| 130 | 52.0 | 279.7 | 38,800* | 56.4 | 286.3 | 44,600 | 58.9 | 289.2 | 41,800 | 62.9 | 292.4 | 37,400 | | | | | | | | | | 130 |
| 135 | 49.9 | 275.5 | 36,500* | 54.4 | 282.8 | 42,000* | 57.0 | 286.1 | 39,600 | 61.0 | 289.7 | 35,300 | | | | | | | | | | 135 |
| 140 | 47.8 | 271.1 | 34,300* | 52.4 | 279.1 | 39,400* | 55.1 | 282.6 | 37,500 | 59.2 | 286.7 | 33,300 | | | | | | | | | | 140 |
| 145 | 45.6 | 266.3 | 32,400* | 50.4 | 275.0 | 37,000* | 53.1 | 279.0 | 35,500 | 57.3 | 283.6 | 31,500 | | | | | | | | | | 145 |
| 150 | 43.3 | 261.1 | 30,600* | 48.3 | 270.7 | 34,800* | 51.1 | 275.0 | 33,700 | 55.4 | 280.2 | 29,900 | | | | | | | | | | 150 |
| 155 | 40.9 | 255.5 | 28,900* | 46.1 | 266.0 | 32,800* | 49.0 | 270.8 | 32,000 | 53.4 | 276.6 | 28,300 | 57.5 | 280.0 | 24,700 | | | | | | | 155 |
| 160 | 38.4 | 249.4 | 27,300* | 43.8 | 260.9 | 31,000* | 46.8 | 266.2 | 30,400 | 51.4 | 272.7 | 26,900 | 55.6 | 276.6 | 23,400 | | | | | | | 160 |
| 165 | 35.7 | 242.7 | 25,900* | 41.5 | 255.4 | 29,300* | 44.6 | 261.2 | 28,900 | 49.3 | 268.5 | 25,500 | 53.7 | 273.0 | 22,100 | | | | | | | 165 |
| 170 | 32.8 | 235.2 | 24,500* | 39.0 | 249.4 | 27,700* | 42.2 | 255.9 | 27,600 | 47.2 | 263.9 | 24,200 | 51.6 | 269.1 | 21,000 | | | | | | | 170 |
| 175 | 29.7 | 226.9 | 23,300* | 36.3 | 242.8 | 26,200* | 39.8 | 250.0 | 26,300 | 45.0 | 259.1 | 23,000 | 49.6 | 265.0 | 19,900 | | | | | | | 175 |
| 180 | 26.3 | 217.3 | 22,100* | 33.5 | 235.5 | 24,900* | 37.2 | 243.7 | 25,000 | 42.6 | 253.8 | 21,900 | 47.4 | 260.5 | 18,800 | 51.7 | 264.4 | 15,900 | | | | 180 |
| 185 | 22.4 | 206.1 | 21,000* | 30.5 | 227.4 | 23,600* | 34.5 | 236.6 | 23,900 | 40.2 | 248.0 | 20,800 | 45.2 | 255.6 | 17,900 | 49.6 | 260.2 | 15,000 | | | | 185 |
| 190 | 17.6 | 192.0 | 19,900* | 27.2 | 218.2 | 22,400* | 31.5 | 228.8 | 22,800 | 37.7 | 241.7 | 19,800 | 42.9 | 250.4 | 16,900 | 47.5 | 255.8 | 14,100 | | | | 190 |
| 195 | 11.0 | 171.9 | 17,600* | 23.4 | 207.4 | 21,200* | 28.3 | 220.0 | 21,700 | 35.0 | 234.8 | 18,900 | 40.5 | 244.7 | 16,100 | 45.3 | 250.9 | 13,300 | | | | 195 |
| 200 | | | | 18.9 | 194.2 | 20,200* | 24.7 | 209.7 | 20,700 | 32.0 | 227.2 | 17,900 | 38.0 | 238.5 | 15,200 | 43.0 | 245.7 | 12,600 | 47.4 | 249.7 | 10,000 | 200 |
| 205 | | | | 12.9 | 176.1 | 19,100* | 20.4 | 197.4 | 19,700 | 28.9 | 218.5 | 17,100 | 35.3 | 231.7 | 14,400 | 40.6 | 240.0 | 11,900 | 45.1 | 244.9 | 9,400 | 205 |
| 210 | | | | | | | 15.1 | 181.5 | 18,800 | 25.3 | 208.6 | 16,200 | 32.4 | 224.1 | 13,700 | 38.0 | 233.8 | 11,200 | 42.8 | 239.6 | 8,700 | 210 |
| 215 | | | | | | | 6.1 | 153.6 | 17,800* | 21.2 | 196.7 | 15,400 | 29.2 | 215.5 | 13,000 | 35.3 | 227.0 | 10,500 | 40.4 | 233.9 | 8,200 | 215 |
| 220 | | | | | | | | | | 16.1 | 181.6 | 14,700 | 25.7 | 205.8 | 12,300 | 32.5 | 219.5 | 9,900 | 37.9 | 227.7 | 7,600 | 220 |
| 225 | | | | | | | | | | 8.4 | 157.7 | 13,900 | 21.7 | 194.2 | 11,600 | 29.3 | 211.0 | 9,300 | 35.2 | 220.8 | 7,000 | 225 |
| 230 | | | | | | | | | | | | | 16.8 | 179.5 | 10,900 | 25.8 | 201.2 | 8,700 | 32.3 | 213.2 | 6,500 | 230 |
| 235 | | | | | | | | | | | | | 9.5 | 157.4 | 10,300 | 21.8 | 189.7 | 8,100 | 29.1 | 204.7 | 6,000 | 235 |
| 240 | | | | | | | | | | | | | | | | 16.9 | 175.1 | 7,600 | 25.6 | 194.8 | 5,500 | 240 |
| 245 | | | | | | | | | | | | | | | | 9.9 | 153.5 | 7,000 | 21.6 | 183.2 | 5,100 | 245 |
| 250 | | | | | | | | | | | | | | | | | | | 16.6 | 168.4 | 4,600 | 250 |
| 255 | | | | | | | | | | | | | | | | | | | 9.3 | 145.8 | 4,100 | 255 |

MANITOWOC ENGINEERING CO.

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LIFTCRANE LUFFING JIB CAPACITIES

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M-250 SERIES 2

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FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING**

125 FT. BOOM, 190 FT. JIB

| JIB OPER. RAD. FEET | 88 DEGREE BOOM ANGLE | | | 83 DEGREE BOOM ANGLE | | | 80 DEGREE BOOM ANGLE | | | 75 DEGREE BOOM ANGLE | | | 70 DEGREE BOOM ANGLE | | | 65 DEGREE BOOM ANGLE | | | 60 DEGREE BOOM ANGLE | | | JIB OPER. RAD. FEET |
|---------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|---------------------|
| | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | |
| 70 | 74.5 | 321.5 | 64,100* | | | | | | | | | | | | | | | | | | | 70 |
| 75 | 73.0 | 320.0 | 62,800* | | | | | | | | | | | | | | | | | | | 75 |
| 80 | 71.4 | 318.3 | 61,900* | | | | | | | | | | | | | | | | | | | 80 |
| 85 | 69.8 | 316.5 | 60,500* | | | | | | | | | | | | | | | | | | | 85 |
| 90 | 68.1 | 314.5 | 59,000* | | | | | | | | | | | | | | | | | | | 90 |
| 95 | 66.5 | 312.4 | 57,100* | 70.1 | 315.4 | 57,900* | | | | | | | | | | | | | | | | 95 |
| 100 | 64.8 | 310.1 | 55,100* | 68.5 | 313.5 | 56,500* | | | | | | | | | | | | | | | | 100 |
| 105 | 63.2 | 307.6 | 53,100* | 66.9 | 311.4 | 55,300* | | | | | | | | | | | | | | | | 105 |
| 110 | 61.5 | 305.0 | 50,200* | 65.2 | 309.2 | 54,000* | 67.4 | 310.8 | 52,700 | | | | | | | | | | | | | 110 |
| 115 | 59.7 | 302.1 | 46,700* | 63.6 | 306.7 | 52,500 | 65.8 | 308.6 | 49,400 | | | | | | | | | | | | | 115 |
| 120 | 58.0 | 299.0 | 43,600* | 61.9 | 304.1 | 49,400 | 64.1 | 306.2 | 46,400 | | | | | | | | | | | | | 120 |
| 125 | 56.1 | 295.7 | 40,800* | 60.1 | 301.3 | 46,600 | 62.4 | 303.6 | 43,700 | | | | | | | | | | | | | 125 |
| 130 | 54.3 | 292.2 | 38,300* | 58.4 | 298.3 | 44,000 | 60.7 | 300.9 | 41,300 | | | | | | | | | | | | | 130 |
| 135 | 52.4 | 288.5 | 36,000* | 56.6 | 295.0 | 41,500* | 58.9 | 297.9 | 39,000 | 62.7 | 301.0 | 34,700 | | | | | | | | | | 135 |
| 140 | 50.5 | 284.4 | 33,800* | 54.7 | 291.6 | 38,900* | 57.2 | 294.7 | 36,900 | 61.0 | 298.3 | 32,700 | | | | | | | | | | 140 |
| 145 | 48.5 | 280.1 | 31,900* | 52.9 | 287.9 | 36,500* | 55.3 | 291.4 | 34,900 | 59.2 | 295.4 | 30,900 | | | | | | | | | | 145 |
| 150 | 46.4 | 275.4 | 30,100* | 50.9 | 283.9 | 34,300* | 53.5 | 287.7 | 33,100 | 57.5 | 292.3 | 29,300 | | | | | | | | | | 150 |
| 155 | 44.3 | 270.4 | 28,400* | 49.0 | 279.6 | 32,300* | 51.6 | 283.8 | 31,400 | 55.7 | 288.9 | 27,700 | | | | | | | | | | 155 |
| 160 | 42.1 | 265.0 | 26,800* | 46.9 | 275.0 | 30,500* | 49.6 | 279.7 | 29,900 | 53.8 | 285.3 | 26,300 | 57.7 | 288.6 | 22,700 | | | | | | | 160 |
| 165 | 39.7 | 259.2 | 25,400* | 44.8 | 270.1 | 28,800* | 47.6 | 275.2 | 28,400 | 51.9 | 281.5 | 24,900 | 55.9 | 285.3 | 21,500 | | | | | | | 165 |
| 170 | 37.3 | 252.8 | 24,000* | 42.6 | 264.8 | 27,200* | 45.5 | 270.4 | 27,000 | 49.9 | 277.4 | 23,700 | 54.0 | 281.8 | 20,400 | | | | | | | 170 |
| 175 | 34.7 | 245.8 | 22,800* | 40.3 | 259.1 | 25,700* | 43.3 | 265.2 | 25,700 | 47.9 | 272.9 | 22,500 | 52.1 | 277.9 | 19,300 | | | | | | | 175 |
| 180 | 31.9 | 238.1 | 21,600* | 37.9 | 252.8 | 24,400* | 41.1 | 259.6 | 24,500 | 45.8 | 268.2 | 21,300 | 50.2 | 273.9 | 18,200 | | | | | | | 180 |
| 185 | 28.9 | 229.5 | 20,500* | 35.3 | 246.0 | 23,100* | 38.7 | 253.6 | 23,300 | 43.7 | 263.1 | 20,300 | 48.2 | 269.5 | 17,300 | 52.2 | 273.2 | 14,300 | | | | 185 |
| 190 | 25.6 | 219.6 | 19,400* | 32.6 | 238.5 | 21,900* | 36.2 | 246.9 | 22,200 | 41.4 | 257.6 | 19,300 | 46.1 | 264.8 | 16,300 | 50.2 | 269.1 | 13,500 | | | | 190 |
| 195 | 21.8 | 208.0 | 18,400* | 29.7 | 230.1 | 20,800* | 33.5 | 239.6 | 21,200 | 39.1 | 251.6 | 18,300 | 43.9 | 259.7 | 15,500 | 48.2 | 264.7 | 12,700 | | | | 195 |
| 200 | 17.2 | 193.5 | 17,500* | 26.4 | 220.5 | 19,700* | 30.6 | 231.5 | 20,200 | 36.6 | 245.1 | 17,400 | 41.7 | 254.2 | 14,700 | 46.1 | 260.0 | 12,000 | | | | 200 |
| 205 | 10.7 | 172.8 | 15,400* | 22.7 | 209.4 | 18,700* | 27.5 | 222.4 | 19,300 | 34.0 | 237.9 | 16,600 | 39.4 | 248.3 | 13,900 | 44.0 | 255.0 | 11,300 | | | | 205 |
| 210 | | | | 18.3 | 195.8 | 17,700* | 24.0 | 211.9 | 18,400 | 31.2 | 230.0 | 15,700 | 36.9 | 241.8 | 13,100 | 41.8 | 249.5 | 10,600 | 46.0 | 254.0 | 8,100 | 210 |
| 215 | | | | 12.5 | 177.2 | 16,800* | 19.9 | 199.2 | 17,500 | 28.1 | 221.0 | 14,900 | 34.3 | 234.8 | 12,400 | 39.4 | 243.6 | 9,900 | 43.9 | 248.9 | 7,500 | 215 |
| 220 | | | | | | | 14.7 | 182.7 | 16,700 | 24.6 | 210.7 | 14,200 | 31.5 | 226.9 | 11,700 | 37.0 | 237.2 | 9,300 | 41.6 | 243.4 | 7,000 | 220 |
| 225 | | | | | | | 5.9 | 154.1 | 15,600* | 20.6 | 198.5 | 13,500 | 28.4 | 218.1 | 11,100 | 34.4 | 230.1 | 8,700 | 39.3 | 237.5 | 6,400 | 225 |
| 230 | | | | | | | | | | 15.7 | 182.9 | 12,700 | 25.0 | 208.0 | 10,400 | 31.6 | 222.3 | 8,100 | 36.8 | 231.0 | 5,900 | 230 |
| 235 | | | | | | | | | | 8.1 | 158.4 | 12,000 | 21.1 | 196.0 | 9,800 | 28.5 | 213.5 | 7,600 | 34.2 | 223.9 | 5,400 | 235 |
| 240 | | | | | | | | | | | | | 16.3 | 180.9 | 9,200 | 25.1 | 203.4 | 7,100 | 31.4 | 216.0 | 5,000 | 240 |
| 245 | | | | | | | | | | | | | 9.3 | 158.2 | 8,600 | 21.2 | 191.5 | 6,600 | 28.3 | 207.2 | 4,500 | 245 |
| 250 | | | | | | | | | | | | | | | | 16.5 | 176.6 | 6,000 | 24.9 | 197.0 | 4,100 | 250 |
| 255 | | | | | | | | | | | | | | | | 9.6 | 154.3 | 5,500 | | | | 255 |

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

DESIGNED AND TESTED
WITH THE INTENT TO BE
THE SCOPE OF ANSI B30.5

M-250 SERIES 2

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING**

125 FT. BOOM, 200 FT. JIB

| JIB OPER. RAD. FEET | 88 DEGREE BOOM ANGLE | | | 83 DEGREE BOOM ANGLE | | | 80 DEGREE BOOM ANGLE | | | 75 DEGREE BOOM ANGLE | | | 70 DEGREE BOOM ANGLE | | | 65 DEGREE BOOM ANGLE | | | 60 DEGREE BOOM ANGLE | | | JIB OPER. RAD. FEET |
|---------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|---------------------|
| | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | |
| 70 | 75.3 | 331.8 | 57,600* | | | | | | | | | | | | | | | | | | | 70 |
| 75 | 73.8 | 330.4 | 56,600* | | | | | | | | | | | | | | | | | | | 75 |
| 80 | 72.3 | 328.9 | 56,300* | | | | | | | | | | | | | | | | | | | 80 |
| 85 | 70.8 | 327.2 | 54,700* | | | | | | | | | | | | | | | | | | | 85 |
| 90 | 69.3 | 325.3 | 54,100* | | | | | | | | | | | | | | | | | | | 90 |
| 95 | 67.8 | 323.3 | 53,100* | | | | | | | | | | | | | | | | | | | 95 |
| 100 | 66.2 | 321.1 | 50,800* | 69.7 | 324.3 | 51,400* | | | | | | | | | | | | | | | | 100 |
| 105 | 64.6 | 318.8 | 48,500* | 68.1 | 322.3 | 50,500* | | | | | | | | | | | | | | | | 105 |
| 110 | 63.0 | 316.3 | 46,200* | 66.6 | 320.2 | 49,500* | | | | | | | | | | | | | | | | 110 |
| 115 | 61.4 | 313.6 | 44,000* | 65.0 | 317.9 | 48,300* | 67.1 | 319.5 | 48,700 | | | | | | | | | | | | | 115 |
| 120 | 59.7 | 310.8 | 41,900* | 63.4 | 315.4 | 47,100* | 65.5 | 317.3 | 45,800 | | | | | | | | | | | | | 120 |
| 125 | 58.1 | 307.7 | 39,800* | 61.8 | 312.8 | 45,000* | 63.9 | 314.9 | 43,100 | | | | | | | | | | | | | 125 |
| 130 | 56.3 | 304.4 | 37,900* | 60.1 | 310.0 | 42,800* | 62.3 | 312.3 | 40,600 | | | | | | | | | | | | | 130 |
| 135 | 54.6 | 300.9 | 35,900* | 58.5 | 306.9 | 40,800* | 60.7 | 309.5 | 38,300 | | | | | | | | | | | | | 135 |
| 140 | 52.8 | 297.2 | 33,700* | 56.7 | 303.7 | 38,700* | 59.0 | 306.6 | 36,200 | 62.6 | 309.7 | 32,000 | | | | | | | | | | 140 |
| 145 | 51.0 | 293.3 | 31,700* | 55.0 | 300.3 | 36,400* | 57.3 | 303.4 | 34,300 | 60.9 | 307.0 | 30,200 | | | | | | | | | | 145 |
| 150 | 49.1 | 289.0 | 29,800* | 53.2 | 296.6 | 34,200* | 55.6 | 300.1 | 32,500 | 59.3 | 304.1 | 28,600 | | | | | | | | | | 150 |
| 155 | 47.2 | 284.5 | 28,100* | 51.4 | 292.7 | 32,200* | 53.8 | 296.5 | 30,800 | 57.6 | 300.9 | 27,000 | | | | | | | | | | 155 |
| 160 | 45.2 | 279.6 | 26,600* | 49.5 | 288.5 | 30,300* | 52.0 | 292.6 | 29,200 | 55.9 | 297.6 | 25,600 | | | | | | | | | | 160 |
| 165 | 43.1 | 274.4 | 25,100* | 47.6 | 284.1 | 28,600* | 50.2 | 288.6 | 27,800 | 54.1 | 294.1 | 24,200 | 57.8 | 297.3 | 20,800 | | | | | | | 165 |
| 170 | 40.9 | 268.8 | 23,700* | 45.6 | 279.3 | 26,900* | 48.3 | 284.2 | 26,400 | 52.3 | 290.3 | 23,000 | 56.1 | 294.0 | 19,600 | | | | | | | 170 |
| 175 | 38.7 | 262.7 | 22,400* | 43.6 | 274.1 | 25,400* | 46.3 | 279.5 | 25,100 | 50.5 | 286.2 | 21,800 | 54.3 | 290.5 | 18,500 | | | | | | | 175 |
| 180 | 36.3 | 256.1 | 21,200* | 41.5 | 268.6 | 24,100* | 44.3 | 274.5 | 23,900 | 48.6 | 281.9 | 20,700 | 52.5 | 286.7 | 17,500 | | | | | | | 180 |
| 185 | 33.8 | 248.9 | 20,100* | 39.2 | 262.7 | 22,800* | 42.2 | 269.1 | 22,700 | 46.6 | 277.3 | 19,600 | 50.7 | 282.7 | 16,600 | | | | | | | 185 |
| 190 | 31.1 | 240.9 | 19,000* | 36.9 | 256.2 | 21,500* | 40.0 | 263.3 | 21,700 | 44.6 | 272.3 | 18,600 | 48.8 | 278.4 | 15,600 | 52.6 | 282.0 | 12,800 | | | | 190 |
| 195 | 28.2 | 232.0 | 18,000* | 34.4 | 249.1 | 20,400* | 37.7 | 257.0 | 20,600 | 42.5 | 267.0 | 17,700 | 46.9 | 273.8 | 14,800 | 50.7 | 278.0 | 12,000 | | | | 195 |
| 200 | 24.9 | 221.8 | 17,100* | 31.8 | 241.3 | 19,300* | 35.2 | 250.1 | 19,600 | 40.3 | 261.3 | 16,800 | 44.8 | 268.9 | 14,000 | 48.9 | 273.7 | 11,200 | | | | 200 |
| 205 | 21.2 | 209.8 | 16,200* | 28.9 | 232.6 | 18,300* | 32.6 | 242.6 | 18,700 | 38.1 | 255.1 | 15,900 | 42.8 | 263.6 | 13,200 | 46.9 | 269.1 | 10,500 | | | | 205 |
| 210 | 16.7 | 195.0 | 15,300* | 25.7 | 222.8 | 17,300* | 29.8 | 234.2 | 17,800 | 35.7 | 248.3 | 15,100 | 40.6 | 257.9 | 12,400 | 44.9 | 264.2 | 9,900 | | | | 210 |
| 215 | 10.4 | 173.7 | 13,400* | 22.1 | 211.3 | 16,400* | 26.8 | 224.8 | 17,000 | 33.1 | 240.9 | 14,300 | 38.3 | 251.8 | 11,700 | 42.8 | 258.9 | 9,200 | 46.8 | 263.1 | 6,800 | 215 |
| 220 | | | | 17.9 | 197.3 | 15,600* | 23.4 | 213.9 | 16,100 | 30.3 | 232.7 | 13,600 | 35.9 | 245.1 | 11,100 | 40.7 | 253.3 | 8,600 | 44.8 | 258.1 | 6,200 | 220 |
| 225 | | | | 12.2 | 178.2 | 14,700* | 19.4 | 200.9 | 15,400 | 27.3 | 223.4 | 12,900 | 33.4 | 237.8 | 10,400 | 38.4 | 247.1 | 8,000 | 42.7 | 252.9 | 5,700 | 225 |
| 230 | | | | | | | 14.3 | 184.0 | 14,600 | 24.0 | 212.9 | 12,200 | 30.6 | 229.6 | 9,800 | 36.0 | 240.4 | 7,500 | 40.5 | 247.2 | 5,200 | 230 |
| 235 | | | | | | | 5.7 | 154.6 | 13,700* | 20.1 | 200.3 | 11,500 | 27.7 | 220.5 | 9,200 | 33.5 | 233.1 | 6,900 | 38.2 | 241.0 | 4,700 | 235 |
| 240 | | | | | | | | | | 15.3 | 184.2 | 10,900 | 24.4 | 210.1 | 8,600 | 30.7 | 225.0 | 6,400 | 35.9 | 234.3 | 4,300 | 240 |
| 245 | | | | | | | | | | 7.9 | 159.1 | 10,200 | 20.6 | 197.8 | 8,100 | 27.8 | 216.0 | 5,900 | | | | 245 |
| 250 | | | | | | | | | | | | | 15.9 | 182.3 | 7,500 | 24.5 | 205.6 | 5,400 | | | | 250 |
| 255 | | | | | | | | | | | | | 9.0 | 158.9 | 6,900 | 20.7 | 193.4 | 4,900 | | | | 255 |
| 260 | | | | | | | | | | | | | | | | 16.0 | 178.0 | 4,500 | | | | 260 |
| 265 | | | | | | | | | | | | | | | | 9.3 | 155.1 | 4,000 | | | | 265 |

MANITOWOC ENGINEERING CO.

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



LIFT CRANE LUFFING JIB CAPACITIES

DESIGNED AND TESTED
WITH THE INTENT TO BE
THE SCOPE OF ANSI B30.5

M-250 SERIES 2

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING**

135 FT. BOOM, 70 FT. JIB

| JIB OPER. RAD. FEET | 88 DEGREE BOOM ANGLE | | | 83 DEGREE BOOM ANGLE | | | 80 DEGREE BOOM ANGLE | | | 75 DEGREE BOOM ANGLE | | | 70 DEGREE BOOM ANGLE | | | 65 DEGREE BOOM ANGLE | | | 60 DEGREE BOOM ANGLE | | | JIB OPER. RAD. FEET |
|------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|------------------------------|
| | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | |
| 50 | 64.3 | 211.2 | 122,500*b | | | | | | | | | | | | | | | | | | | 50 |
| 55 | 59.6 | 208.4 | 115,200*b | | | | | | | | | | | | | | | | | | | 55 |
| 60 | 54.6 | 205.0 | 108,700*b | 66.1 | 210.6 | 123,500*b | | | | | | | | | | | | | | | | 60 |
| 65 | 49.4 | 200.9 | 102,800* | 61.5 | 208.0 | 116,200*b | | | | | | | | | | | | | | | | 65 |
| 70 | 43.6 | 196.0 | 97,600* | 56.7 | 204.9 | 109,700*b | 63.5 | 207.7 | 117,000b | | | | | | | | | | | | | 70 |
| 75 | 37.2 | 189.9 | 89,900* | 51.6 | 201.1 | 103,800* | 58.8 | 204.9 | 107,300b | | | | | | | | | | | | | 75 |
| 80 | 29.5 | 182.0 | 81,700* | 46.0 | 196.6 | 98,500* | 53.8 | 201.4 | 99,000b | | | | | | | | | | | | | 80 |
| 85 | 19.1 | 170.4 | 74,600* | 39.9 | 191.0 | 93,800* | 48.5 | 197.2 | 91,800 | 60.4 | 202.7 | 86,600b | | | | | | | | | | 85 |
| 90 | | | | 32.8 | 184.0 | 84,900* | 42.6 | 192.1 | 85,400 | 55.5 | 199.4 | 80,600b | | | | | | | | | | 90 |
| 95 | | | | 23.9 | 174.3 | 77,400* | 36.0 | 185.8 | 79,900 | 50.3 | 195.5 | 75,400 | | | | | | | | | | 95 |
| 100 | | | | 7.8 | 155.3 | 71,000* | 28.0 | 177.4 | 74,900 | 44.7 | 190.7 | 70,700 | 56.9 | 196.1 | 66,500b | | | | | | | 100 |
| 105 | | | | | | | 16.8 | 164.7 | 70,300 | 38.4 | 184.9 | 66,500 | 51.8 | 192.4 | 62,600 | | | | | | | 105 |
| 110 | | | | | | | | | | 31.0 | 177.4 | 62,700 | 46.3 | 187.9 | 59,000 | | | | | | | 110 |
| 115 | | | | | | | | | | 21.3 | 166.7 | 59,200 | 40.2 | 182.4 | 55,800 | 52.8 | 188.0 | 52,300 | | | | 115 |
| 120 | | | | | | | | | | | | | 33.2 | 175.4 | 52,800 | 47.4 | 183.6 | 49,600 | | | | 120 |
| 125 | | | | | | | | | | | | | 24.4 | 165.9 | 50,100 | 41.4 | 178.3 | 47,100 | | | | 125 |
| 130 | | | | | | | | | | | | | 9.2 | 148.1 | 47,500 | 34.6 | 171.7 | 44,700 | 47.9 | 177.9 | 41,800 | 130 |
| 135 | | | | | | | | | | | | | | | | 26.3 | 162.8 | 42,500 | 42.0 | 172.7 | 39,800 | 135 |
| 140 | | | | | | | | | | | | | | | | 13.6 | 148.2 | 40,500 | 35.3 | 166.3 | 38,000 | 140 |
| 145 | | | | | | | | | | | | | | | | | | | 27.2 | 157.7 | 36,200 | 145 |
| 150 | | | | | | | | | | | | | | | | | | | 15.3 | 144.0 | 34,500 | 150 |

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

DESIGNED AND TESTED
WITH THE INTENT TO BE
THE SCOPE OF ANSI B30.5

M-250 SERIES 2

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING**

135 FT. BOOM, 80 FT. JIB

| JIB OPER. RAD. FEET | 88 DEGREE BOOM ANGLE | | | 83 DEGREE BOOM ANGLE | | | 80 DEGREE BOOM ANGLE | | | 75 DEGREE BOOM ANGLE | | | 70 DEGREE BOOM ANGLE | | | 65 DEGREE BOOM ANGLE | | | 60 DEGREE BOOM ANGLE | | | JIB OPER. RAD. FEET |
|---------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|---------------------|
| | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | |
| 50 | 67.7 | 222.2 | 119,100*b | | | | | | | | | | | | | | | | | | | 50 |
| 55 | 63.7 | 219.8 | 112,100*b | | | | | | | | | | | | | | | | | | | 55 |
| 60 | 59.6 | 217.0 | 105,800*b | 69.3 | 221.5 | 120,200*b | | | | | | | | | | | | | | | | 60 |
| 65 | 55.3 | 213.7 | 100,100* | 65.4 | 219.3 | 113,200*b | | | | | | | | | | | | | | | | 65 |
| 70 | 50.8 | 209.8 | 95,000* | 61.3 | 216.7 | 107,000*b | 67.0 | 218.8 | 115,000*b | | | | | | | | | | | | | 70 |
| 75 | 45.9 | 205.3 | 90,300* | 57.1 | 213.6 | 101,300* | 63.1 | 216.4 | 106,800b | | | | | | | | | | | | | 75 |
| 80 | 40.6 | 199.8 | 82,000* | 52.7 | 209.9 | 96,100* | 58.9 | 213.5 | 98,500b | | | | | | | | | | | | | 80 |
| 85 | 34.6 | 193.1 | 74,900* | 48.0 | 205.7 | 91,400* | 54.6 | 210.1 | 91,300 | | | | | | | | | | | | | 85 |
| 90 | 27.5 | 184.4 | 68,800* | 42.8 | 200.6 | 85,200* | 50.0 | 206.1 | 85,000 | 60.4 | 211.3 | 80,000b | | | | | | | | | | 90 |
| 95 | 17.8 | 171.9 | 63,600* | 37.2 | 194.4 | 77,700* | 45.1 | 201.4 | 79,400 | 56.1 | 208.1 | 74,800 | | | | | | | | | | 95 |
| 100 | | | | 30.6 | 186.7 | 71,300* | 39.7 | 195.8 | 74,500 | 51.6 | 204.3 | 70,200 | | | | | | | | | | 100 |
| 105 | | | | 22.3 | 176.2 | 65,700* | 33.5 | 188.8 | 70,100 | 46.8 | 199.9 | 66,000 | 57.3 | 204.8 | 61,900 | | | | | | | 105 |
| 110 | | | | 7.2 | 155.9 | 60,800* | 26.1 | 179.7 | 66,100 | 41.6 | 194.6 | 62,200 | 52.9 | 201.2 | 58,400 | | | | | | | 110 |
| 115 | | | | | | | 15.6 | 166.0 | 62,400 | 35.7 | 188.1 | 58,800 | 48.2 | 197.0 | 55,200 | | | | | | | 115 |
| 120 | | | | | | | | | | 28.9 | 179.9 | 55,700 | 43.1 | 191.9 | 52,300 | | | | | | | 120 |
| 125 | | | | | | | | | | 19.9 | 168.4 | 52,800 | 37.4 | 185.8 | 49,600 | 49.1 | 192.6 | 46,400 | | | | 125 |
| 130 | | | | | | | | | | | | | 30.9 | 178.2 | 47,200 | 44.1 | 187.7 | 44,100 | | | | 130 |
| 135 | | | | | | | | | | | | | 22.7 | 167.9 | 44,900 | 38.6 | 181.9 | 42,000 | | | | 135 |
| 140 | | | | | | | | | | | | | 8.5 | 148.8 | 42,600 | 32.3 | 174.6 | 40,000 | 44.6 | 182.1 | 37,300 | 140 |
| 145 | | | | | | | | | | | | | | | | 24.5 | 165.0 | 38,200 | 39.1 | 176.3 | 35,600 | 145 |
| 150 | | | | | | | | | | | | | | | | 12.7 | 149.3 | 36,400 | 32.9 | 169.2 | 34,000 | 150 |
| 155 | | | | | | | | | | | | | | | | | | | 25.3 | 159.9 | 32,500 | 155 |
| 160 | | | | | | | | | | | | | | | | | | | 14.2 | 145.2 | 31,000 | 160 |

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

DESIGNED AND TESTED
WITH THE INTENT TO BE
THE SCOPE OF ANSI B30.5

M-250 SERIES 2

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING**

135 FT. BOOM, 90 FT. JIB

| JIB OPER. RAD. FEET | 88 DEGREE BOOM ANGLE | | | 83 DEGREE BOOM ANGLE | | | 80 DEGREE BOOM ANGLE | | | 75 DEGREE BOOM ANGLE | | | 70 DEGREE BOOM ANGLE | | | 65 DEGREE BOOM ANGLE | | | 60 DEGREE BOOM ANGLE | | | JIB OPER. RAD. FEET | |
|------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|------------------------------|-----|
| | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | | |
| 50 | 70.3 | 233.0 | 115,900*b | | | | | | | | | | | | | | | | | | | 50 | |
| 55 | 66.9 | 230.9 | 109,200*b | | | | | | | | | | | | | | | | | | | 55 | |
| 60 | 63.3 | 228.5 | 103,200*b | | | | | | | | | | | | | | | | | | | 60 | |
| 65 | 59.7 | 225.7 | 97,700* | 68.3 | 230.2 | 110,400*b | | | | | | | | | | | | | | | | 65 | |
| 70 | 55.9 | 222.4 | 92,800* | 64.8 | 228.0 | 104,500*b | | | | | | | | | | | | | | | | 70 | |
| 75 | 51.9 | 218.7 | 88,300* | 61.2 | 225.3 | 99,000* | 66.3 | 227.5 | 106,300b | | | | | | | | | | | | | 75 | |
| 80 | 47.7 | 214.3 | 82,200* | 57.4 | 222.3 | 94,000* | 62.7 | 225.1 | 98,000 | | | | | | | | | | | | | 80 | |
| 85 | 43.1 | 209.3 | 75,100* | 53.5 | 218.7 | 89,500* | 59.1 | 222.2 | 90,900 | | | | | | | | | | | | | 85 | |
| 90 | 38.2 | 203.3 | 69,000* | 49.4 | 214.6 | 85,300* | 55.2 | 218.9 | 84,600 | | | | | | | | | | | | | 90 | |
| 95 | 32.5 | 196.0 | 63,700* | 45.0 | 209.9 | 77,900* | 51.2 | 215.0 | 79,100 | 60.3 | 220.0 | 74,300 | | | | | | | | | | 95 | |
| 100 | 25.8 | 186.7 | 59,100* | 40.2 | 204.3 | 71,400* | 46.9 | 210.5 | 74,200 | 56.6 | 216.8 | 69,700 | | | | | | | | | | 100 | |
| 105 | 16.7 | 173.3 | 55,000* | 34.9 | 197.6 | 65,800* | 42.3 | 205.3 | 69,800 | 52.6 | 213.2 | 65,600 | | | | | | | | | | 105 | |
| 110 | | | | 28.7 | 189.3 | 60,900* | 37.3 | 199.2 | 65,800 | 48.4 | 208.9 | 61,800 | 57.6 | 213.5 | 57,900 | | | | | | | | 110 |
| 115 | | | | 20.9 | 178.0 | 56,600* | 31.5 | 191.6 | 62,200 | 44.0 | 204.0 | 58,500 | 53.7 | 210.0 | 54,800 | | | | | | | | 115 |
| 120 | | | | 6.7 | 156.4 | 52,700* | 24.6 | 181.9 | 58,400* | 39.1 | 198.2 | 55,400 | 49.6 | 205.9 | 51,900 | | | | | | | | 120 |
| 125 | | | | | | | 14.7 | 167.2 | 54,400* | 33.6 | 191.2 | 52,600 | 45.2 | 201.2 | 49,200 | | | | | | | | 125 |
| 130 | | | | | | | | | | 27.1 | 182.3 | 50,000 | 40.5 | 195.6 | 46,800 | 50.4 | 201.5 | 43,700 | | | | | 130 |
| 135 | | | | | | | | | | 18.7 | 170.0 | 47,500 | 35.2 | 189.0 | 44,600 | 46.1 | 196.9 | 41,600 | | | | | 135 |
| 140 | | | | | | | | | | | | | 29.1 | 180.8 | 42,500 | 41.4 | 191.6 | 39,600 | | | | | 140 |
| 145 | | | | | | | | | | | | | 21.3 | 169.7 | 40,500 | 36.3 | 185.2 | 37,800 | 46.5 | 191.3 | 35,200 | | 145 |
| 150 | | | | | | | | | | | | | 8.0 | 149.5 | 38,600 | 30.3 | 177.3 | 36,100 | 41.9 | 186.0 | 33,600 | | 150 |
| 155 | | | | | | | | | | | | | | | | 23.0 | 167.0 | 34,500 | 36.8 | 179.7 | 32,100 | | 155 |
| 160 | | | | | | | | | | | | | | | | 11.9 | 150.3 | 33,000 | 30.9 | 172.0 | 30,700 | | 160 |
| 165 | | | | | | | | | | | | | | | | | | | 23.8 | 162.0 | 29,400 | | 165 |
| 170 | | | | | | | | | | | | | | | | | | | 13.4 | 146.4 | 28,100 | | 170 |

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

DESIGNED AND TESTED
WITH THE INTENT TO BE
THE SCOPE OF ANSI B30.5

M-250 SERIES 2

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING**

135 FT. BOOM, 100 FT. JIB

| JIB OPER. RAD. FEET | 88 DEGREE BOOM ANGLE | | | 83 DEGREE BOOM ANGLE | | | 80 DEGREE BOOM ANGLE | | | 75 DEGREE BOOM ANGLE | | | 70 DEGREE BOOM ANGLE | | | 65 DEGREE BOOM ANGLE | | | 60 DEGREE BOOM ANGLE | | | JIB OPER. RAD. FEET |
|------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|------------------------------|
| | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | |
| 50 | 72.3 | 243.6 | 111,500*b | | | | | | | | | | | | | | | | | | | 50 |
| 55 | 69.3 | 241.8 | 105,200*b | | | | | | | | | | | | | | | | | | | 55 |
| 60 | 66.2 | 239.6 | 99,600* | | | | | | | | | | | | | | | | | | | 60 |
| 65 | 63.0 | 237.2 | 94,400* | 70.5 | 241.0 | 106,300*b | | | | | | | | | | | | | | | | 65 |
| 70 | 59.7 | 234.4 | 89,700* | 67.5 | 239.0 | 100,800*b | | | | | | | | | | | | | | | | 70 |
| 75 | 56.3 | 231.1 | 85,400* | 64.3 | 236.7 | 95,700* | | | | | | | | | | | | | | | | 75 |
| 80 | 52.7 | 227.5 | 81,400* | 61.1 | 234.0 | 90,900* | 65.7 | 236.2 | 97,100* | | | | | | | | | | | | | 80 |
| 85 | 49.0 | 223.3 | 75,400* | 57.7 | 230.9 | 86,600* | 62.5 | 233.7 | 90,300 | | | | | | | | | | | | | 85 |
| 90 | 45.0 | 218.5 | 69,200* | 54.2 | 227.5 | 82,600* | 59.2 | 230.9 | 84,100 | | | | | | | | | | | | | 90 |
| 95 | 40.8 | 213.0 | 63,900* | 50.6 | 223.5 | 78,300* | 55.7 | 227.6 | 78,600 | | | | | | | | | | | | | 95 |
| 100 | 36.1 | 206.5 | 59,200* | 46.7 | 219.0 | 71,700* | 52.1 | 223.8 | 73,700 | 60.3 | 228.6 | 69,100 | | | | | | | | | | 100 |
| 105 | 30.8 | 198.7 | 55,000* | 42.6 | 213.8 | 66,000* | 48.4 | 219.6 | 69,300 | 56.9 | 225.5 | 65,000 | | | | | | | | | | 105 |
| 110 | 24.4 | 188.9 | 51,300* | 38.1 | 207.7 | 61,100* | 44.4 | 214.7 | 65,300 | 53.4 | 221.9 | 61,300 | | | | | | | | | | 110 |
| 115 | 15.8 | 174.7 | 48,000* | 33.0 | 200.6 | 56,700* | 40.0 | 209.0 | 61,800 | 49.7 | 217.9 | 57,900 | 57.9 | 222.2 | 54,100 | | | | | | | 115 |
| 120 | | | | 27.2 | 191.7 | 52,800* | 35.3 | 202.4 | 58,500 | 45.8 | 213.2 | 54,900 | 54.4 | 218.7 | 51,200 | | | | | | | 120 |
| 125 | | | | 19.8 | 179.8 | 49,400* | 29.8 | 194.3 | 54,500* | 41.6 | 207.8 | 52,100 | 50.7 | 214.8 | 48,600 | | | | | | | 125 |
| 130 | | | | 6.3 | 156.9 | 46,200* | 23.3 | 184.0 | 50,800* | 37.0 | 201.5 | 49,500 | 46.9 | 210.3 | 46,200 | | | | | | | 130 |
| 135 | | | | | | | 13.9 | 168.4 | 47,600* | 31.8 | 194.0 | 47,100 | 42.8 | 205.1 | 44,000 | 51.4 | 210.4 | 40,900 | | | | 135 |
| 140 | | | | | | | | | | 25.7 | 184.6 | 44,900 | 38.3 | 199.1 | 41,900 | 47.6 | 206.0 | 39,000 | | | | 140 |
| 145 | | | | | | | | | | 17.7 | 171.5 | 42,800 | 33.3 | 192.0 | 40,000 | 43.6 | 201.0 | 37,200 | | | | 145 |
| 150 | | | | | | | | | | | | | 27.5 | 183.2 | 38,200 | 39.2 | 195.2 | 35,500 | 48.0 | 200.3 | 32,900 | 150 |
| 155 | | | | | | | | | | | | | 20.2 | 171.5 | 36,500 | 34.3 | 188.3 | 34,000 | 44.0 | 195.3 | 31,500 | 155 |
| 160 | | | | | | | | | | | | | 7.5 | 150.1 | 34,900 | 28.7 | 179.9 | 32,500 | 39.6 | 189.6 | 30,100 | 160 |
| 165 | | | | | | | | | | | | | | | | 21.8 | 168.9 | 31,100 | 34.8 | 182.8 | 28,800 | 165 |
| 170 | | | | | | | | | | | | | | | | 11.2 | 151.2 | 29,800 | 29.3 | 174.6 | 27,600 | 170 |
| 175 | | | | | | | | | | | | | | | | | | | 22.5 | 164.0 | 26,500 | 175 |
| 180 | | | | | | | | | | | | | | | | | | | 12.6 | 147.4 | 25,300 | 180 |

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

DESIGNED AND TESTED
WITH THE INTENT TO BE
THE SCOPE OF ANSI B30.5

M-250 SERIES 2

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING**

135 FT. BOOM, 110 FT. JIB

| JIB OPER. RAD. FEET | 88 DEGREE BOOM ANGLE | | | 83 DEGREE BOOM ANGLE | | | 80 DEGREE BOOM ANGLE | | | 75 DEGREE BOOM ANGLE | | | 70 DEGREE BOOM ANGLE | | | 65 DEGREE BOOM ANGLE | | | 60 DEGREE BOOM ANGLE | | | JIB OPER. RAD. FEET |
|---------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|---------------------|
| | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | |
| 50 | 74.0 | 254.1 | 108,400* | | | | | | | | | | | | | | | | | | | 50 |
| 55 | 71.3 | 252.4 | 102,500* | | | | | | | | | | | | | | | | | | | 55 |
| 60 | 68.5 | 250.5 | 97,100* | | | | | | | | | | | | | | | | | | | 60 |
| 65 | 65.6 | 248.3 | 92,200* | | | | | | | | | | | | | | | | | | | 65 |
| 70 | 62.7 | 245.8 | 87,700* | 69.6 | 249.8 | 98,300* | | | | | | | | | | | | | | | | 70 |
| 75 | 59.7 | 243.0 | 83,600* | 66.8 | 247.7 | 93,500* | | | | | | | | | | | | | | | | 75 |
| 80 | 56.6 | 239.8 | 79,800* | 63.9 | 245.3 | 89,000* | 68.0 | 247.2 | 94,800* | | | | | | | | | | | | | 80 |
| 85 | 53.4 | 236.3 | 76,200* | 61.0 | 242.6 | 84,900* | 65.2 | 244.9 | 89,800 | | | | | | | | | | | | | 85 |
| 90 | 50.1 | 232.2 | 70,700* | 57.9 | 239.6 | 81,000* | 62.2 | 242.4 | 83,600 | | | | | | | | | | | | | 90 |
| 95 | 46.6 | 227.7 | 65,300* | 54.8 | 236.2 | 77,500* | 59.2 | 239.5 | 78,100 | | | | | | | | | | | | | 95 |
| 100 | 42.8 | 222.5 | 60,500* | 51.5 | 232.4 | 73,200* | 56.1 | 236.3 | 73,200 | | | | | | | | | | | | | 100 |
| 105 | 38.8 | 216.5 | 56,200* | 48.0 | 228.0 | 67,400* | 52.9 | 232.6 | 68,800 | 60.3 | 237.3 | 64,500 | | | | | | | | | | 105 |
| 110 | 34.3 | 209.6 | 52,500* | 44.4 | 223.1 | 62,400* | 49.5 | 228.5 | 64,900 | 57.2 | 234.2 | 60,800 | | | | | | | | | | 110 |
| 115 | 29.3 | 201.4 | 49,100* | 40.5 | 217.5 | 57,900* | 46.0 | 223.8 | 61,300 | 54.0 | 230.7 | 57,400 | | | | | | | | | | 115 |
| 120 | 23.3 | 190.9 | 45,900* | 36.2 | 211.0 | 54,000* | 42.2 | 218.6 | 58,100 | 50.7 | 226.7 | 54,400 | | | | | | | | | | 120 |
| 125 | 15.0 | 176.0 | 42,500* | 31.4 | 203.4 | 50,500* | 38.1 | 212.5 | 55,100 | 47.2 | 222.3 | 51,600 | 54.9 | 227.5 | 48,100 | | | | | | | 125 |
| 130 | | | | 25.9 | 194.0 | 47,300* | 33.6 | 205.4 | 51,900* | 43.5 | 217.2 | 49,000 | 51.6 | 223.6 | 45,700 | | | | | | | 130 |
| 135 | | | | 18.8 | 181.4 | 44,400* | 28.4 | 196.8 | 48,600* | 39.5 | 211.4 | 46,700 | 48.2 | 219.3 | 43,500 | | | | | | | 135 |
| 140 | | | | 6.0 | 157.3 | 40,300* | 22.1 | 185.9 | 45,600* | 35.2 | 204.7 | 44,500 | 44.5 | 214.4 | 41,500 | 52.3 | 219.2 | 38,500 | | | | 140 |
| 145 | | | | | | | 13.2 | 169.5 | 42,900* | 30.2 | 196.7 | 42,500 | 40.6 | 208.9 | 39,600 | 48.9 | 215.0 | 36,700 | | | | 145 |
| 150 | | | | | | | | | | 24.4 | 186.8 | 40,600 | 36.4 | 202.4 | 37,800 | 45.3 | 210.2 | 35,100 | | | | 150 |
| 155 | | | | | | | | | | 16.8 | 173.0 | 38,800 | 31.7 | 194.8 | 36,200 | 41.4 | 204.8 | 33,500 | | | | 155 |
| 160 | | | | | | | | | | | | | 26.2 | 185.5 | 34,600 | 37.3 | 198.5 | 32,100 | 45.6 | 204.5 | 29,600 | 160 |
| 165 | | | | | | | | | | | | | 19.2 | 173.2 | 33,100 | 32.6 | 191.2 | 30,700 | 41.8 | 199.2 | 28,300 | 165 |
| 170 | | | | | | | | | | | | | 7.2 | 150.6 | 31,700 | 27.3 | 182.3 | 29,400 | 37.7 | 193.0 | 27,100 | 170 |
| 175 | | | | | | | | | | | | | | | | 20.7 | 170.7 | 28,200 | 33.1 | 185.8 | 26,000 | 175 |
| 180 | | | | | | | | | | | | | | | | 10.7 | 152.1 | 27,000 | 27.8 | 177.1 | 25,000 | 180 |
| 185 | | | | | | | | | | | | | | | | | | | 21.4 | 165.8 | 23,900 | 185 |
| 190 | | | | | | | | | | | | | | | | | | | 12.0 | 148.4 | 22,900 | 190 |

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

DESIGNED AND TESTED
WITH THE INTENT TO BE
THE SCOPE OF ANSI B30.5

M-250 SERIES 2

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING**

135 FT. BOOM, 120 FT. JIB

| JIB OPER. RAD. FEET | 88 DEGREE BOOM ANGLE | | | 83 DEGREE BOOM ANGLE | | | 80 DEGREE BOOM ANGLE | | | 75 DEGREE BOOM ANGLE | | | 70 DEGREE BOOM ANGLE | | | 65 DEGREE BOOM ANGLE | | | 60 DEGREE BOOM ANGLE | | | JIB OPER. RAD. FEET |
|---------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|---------------------|
| | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | |
| 50 | 75.4 | 264.5 | 104,900* | | | | | | | | | | | | | | | | | | | 50 |
| 55 | 72.9 | 263.0 | 99,400* | | | | | | | | | | | | | | | | | | | 55 |
| 60 | 70.3 | 261.2 | 94,300* | | | | | | | | | | | | | | | | | | | 60 |
| 65 | 67.8 | 259.3 | 89,700* | | | | | | | | | | | | | | | | | | | 65 |
| 70 | 65.2 | 257.0 | 85,400* | | | | | | | | | | | | | | | | | | | 70 |
| 75 | 62.5 | 254.5 | 81,400* | 68.8 | 258.5 | 90,900* | | | | | | | | | | | | | | | | 75 |
| 80 | 59.7 | 251.7 | 77,800* | 66.2 | 256.4 | 86,700* | | | | | | | | | | | | | | | | 80 |
| 85 | 56.9 | 248.5 | 74,400* | 63.6 | 254.0 | 82,700* | 67.4 | 255.9 | 78,700 | | | | | | | | | | | | | 85 |
| 90 | 54.0 | 245.0 | 70,400* | 60.9 | 251.3 | 77,200 | 64.7 | 253.6 | 73,000 | | | | | | | | | | | | | 90 |
| 95 | 51.0 | 241.1 | 64,900* | 58.1 | 248.3 | 71,900 | 62.0 | 251.1 | 67,900 | | | | | | | | | | | | | 95 |
| 100 | 47.8 | 236.7 | 60,100* | 55.2 | 244.9 | 67,100 | 59.3 | 248.2 | 63,400 | | | | | | | | | | | | | 100 |
| 105 | 44.4 | 231.8 | 55,800* | 52.2 | 241.2 | 62,900 | 56.5 | 245.0 | 59,400 | 63.0 | 248.7 | 53,600 | | | | | | | | | | 105 |
| 110 | 40.9 | 226.2 | 52,100* | 49.1 | 237.0 | 59,100 | 53.5 | 241.4 | 55,800 | 60.2 | 246.0 | 50,200 | | | | | | | | | | 110 |
| 115 | 37.0 | 219.9 | 48,700* | 45.8 | 232.3 | 55,700 | 50.5 | 237.4 | 52,500 | 57.4 | 242.9 | 47,200 | | | | | | | | | | 115 |
| 120 | 32.8 | 212.6 | 45,700* | 42.4 | 227.0 | 52,500 | 47.3 | 232.9 | 49,500 | 54.5 | 239.4 | 44,500 | | | | | | | | | | 120 |
| 125 | 28.0 | 203.8 | 42,900* | 38.6 | 221.0 | 49,700 | 43.9 | 227.9 | 46,800 | 51.5 | 235.6 | 42,000 | | | | | | | | | | 125 |
| 130 | 22.2 | 192.9 | 39,700* | 34.6 | 214.2 | 46,900* | 40.3 | 222.3 | 44,300 | 48.4 | 231.3 | 39,700 | 55.3 | 236.2 | 35,200 | | | | | | | 130 |
| 135 | 14.4 | 177.2 | 37,000* | 30.0 | 206.1 | 44,000* | 36.4 | 215.8 | 42,000 | 45.1 | 226.5 | 37,600 | 52.4 | 232.4 | 33,300 | | | | | | | 135 |
| 140 | | | | 24.7 | 196.1 | 41,400* | 32.1 | 208.3 | 39,800 | 41.5 | 221.0 | 35,600 | 49.3 | 228.3 | 31,500 | | | | | | | 140 |
| 145 | | | | 18.0 | 182.9 | 39,000* | 27.1 | 199.2 | 37,800 | 37.7 | 214.9 | 33,800 | 46.0 | 223.6 | 29,900 | 52.9 | 228.0 | 26,000 | | | | 145 |
| 150 | | | | 5.7 | 157.8 | 35,600* | 21.1 | 187.7 | 35,900 | 33.6 | 207.7 | 32,100 | 42.5 | 218.4 | 28,300 | 49.9 | 223.9 | 24,600 | | | | 150 |
| 155 | | | | | | | 12.6 | 170.6 | 34,100 | 28.9 | 199.3 | 30,500 | 38.8 | 212.4 | 26,900 | 46.6 | 219.3 | 23,300 | | | | 155 |
| 160 | | | | | | | | | | 23.4 | 188.8 | 29,000 | 34.8 | 205.6 | 25,500 | 43.2 | 214.2 | 22,100 | | | | 160 |
| 165 | | | | | | | | | | 16.0 | 174.4 | 27,600 | 30.3 | 197.5 | 24,300 | 39.6 | 208.4 | 21,000 | 46.9 | 213.6 | 17,700 | 165 |
| 170 | | | | | | | | | | | | | 25.0 | 187.7 | 23,100 | 35.6 | 201.8 | 19,900 | 43.5 | 208.6 | 16,800 | 170 |
| 175 | | | | | | | | | | | | | 18.4 | 174.8 | 21,900 | 31.2 | 194.0 | 18,900 | 39.9 | 202.9 | 15,900 | 175 |
| 180 | | | | | | | | | | | | | 6.8 | 151.2 | 20,700 | 26.1 | 184.6 | 17,900 | 36.0 | 196.3 | 15,000 | 180 |
| 185 | | | | | | | | | | | | | | | | 19.8 | 172.4 | 16,900 | 31.6 | 188.6 | 14,200 | 185 |
| 190 | | | | | | | | | | | | | | | | 10.2 | 152.9 | 16,000 | 26.6 | 179.4 | 13,400 | 190 |
| 195 | | | | | | | | | | | | | | | | | | | 20.5 | 167.6 | 12,600 | 195 |
| 200 | | | | | | | | | | | | | | | | | | | 11.5 | 149.4 | 11,800 | 200 |

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

DESIGNED AND TESTED
WITH THE INTENT TO BE
THE SCOPE OF ANSI B30.5

M-250 SERIES 2

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING**

135 FT. BOOM, 130 FT. JIB

| JIB OPER. RAD. FEET | 88 DEGREE BOOM ANGLE | | | 83 DEGREE BOOM ANGLE | | | 80 DEGREE BOOM ANGLE | | | 75 DEGREE BOOM ANGLE | | | 70 DEGREE BOOM ANGLE | | | 65 DEGREE BOOM ANGLE | | | 60 DEGREE BOOM ANGLE | | | JIB OPER. RAD. FEET |
|---------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|---------------------|
| | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | |
| 55 | 74.2 | 273.4 | 96,400* | | | | | | | | | | | | | | | | | | | 55 |
| 60 | 71.9 | 271.9 | 91,700* | | | | | | | | | | | | | | | | | | | 60 |
| 65 | 69.6 | 270.1 | 87,300* | | | | | | | | | | | | | | | | | | | 65 |
| 70 | 67.2 | 268.0 | 83,300* | | | | | | | | | | | | | | | | | | | 70 |
| 75 | 64.8 | 265.7 | 79,500* | 70.5 | 269.2 | 88,500* | | | | | | | | | | | | | | | | 75 |
| 80 | 62.3 | 263.2 | 76,000* | 68.2 | 267.3 | 84,500* | | | | | | | | | | | | | | | | 80 |
| 85 | 59.8 | 260.3 | 72,700* | 65.8 | 265.1 | 80,800* | | | | | | | | | | | | | | | | 85 |
| 90 | 57.2 | 257.2 | 69,700* | 63.3 | 262.7 | 76,900 | 66.8 | 264.6 | 72,600 | | | | | | | | | | | | | 90 |
| 95 | 54.5 | 253.7 | 64,800* | 60.8 | 260.0 | 71,600 | 64.4 | 262.3 | 67,600 | | | | | | | | | | | | | 95 |
| 100 | 51.7 | 249.9 | 59,900* | 58.2 | 257.0 | 66,800 | 61.9 | 259.7 | 63,100 | | | | | | | | | | | | | 100 |
| 105 | 48.8 | 245.7 | 55,700* | 55.6 | 253.6 | 62,600 | 59.3 | 256.8 | 59,100 | | | | | | | | | | | | | 105 |
| 110 | 45.8 | 241.0 | 51,900* | 52.9 | 249.9 | 58,800 | 56.7 | 253.7 | 55,500 | 62.7 | 257.4 | 49,900 | | | | | | | | | | 110 |
| 115 | 42.6 | 235.7 | 48,600* | 50.0 | 245.9 | 55,400 | 54.0 | 250.1 | 52,200 | 60.2 | 254.6 | 46,900 | | | | | | | | | | 115 |
| 120 | 39.2 | 229.8 | 45,500* | 47.0 | 241.4 | 52,300 | 51.2 | 246.2 | 49,200 | 57.6 | 251.5 | 44,200 | | | | | | | | | | 120 |
| 125 | 35.5 | 223.1 | 42,800* | 43.9 | 236.4 | 49,400 | 48.3 | 241.9 | 46,500 | 55.0 | 248.1 | 41,700 | | | | | | | | | | 125 |
| 130 | 31.5 | 215.4 | 40,300* | 40.6 | 230.7 | 46,700* | 45.3 | 237.1 | 44,000 | 52.2 | 244.4 | 39,400 | | | | | | | | | | 130 |
| 135 | 26.8 | 206.2 | 37,400* | 37.1 | 224.4 | 43,900* | 42.1 | 231.8 | 41,700 | 49.3 | 240.2 | 37,300 | 55.7 | 244.9 | 33,000 | | | | | | | 135 |
| 140 | 21.3 | 194.7 | 34,800* | 33.2 | 217.1 | 41,300* | 38.6 | 225.8 | 39,600 | 46.3 | 235.6 | 35,400 | 53.0 | 241.2 | 31,200 | | | | | | | 140 |
| 145 | 13.8 | 178.4 | 32,500* | 28.8 | 208.6 | 38,900* | 34.9 | 218.9 | 37,600 | 43.2 | 230.4 | 33,600 | 50.1 | 237.2 | 29,600 | | | | | | | 145 |
| 150 | | | | 23.7 | 198.2 | 36,700* | 30.7 | 211.0 | 35,800 | 39.8 | 224.7 | 31,900 | 47.2 | 232.7 | 28,000 | | | | | | | 150 |
| 155 | | | | 17.3 | 184.4 | 34,700* | 26.0 | 201.5 | 34,100 | 36.2 | 218.2 | 30,300 | 44.1 | 227.7 | 26,600 | 50.7 | 232.8 | 23,000 | | | | 155 |
| 160 | | | | 5.5 | 158.2 | 31,800* | 20.3 | 189.5 | 32,400 | 32.2 | 210.6 | 28,900 | 40.8 | 222.1 | 25,300 | 47.8 | 228.4 | 21,800 | | | | 160 |
| 165 | | | | | | | 12.1 | 171.6 | 30,900 | 27.7 | 201.8 | 27,500 | 37.2 | 215.8 | 24,000 | 44.7 | 223.5 | 20,700 | | | | 165 |
| 170 | | | | | | | | | | 22.4 | 190.8 | 26,200 | 33.3 | 208.6 | 22,900 | 41.4 | 218.0 | 19,600 | | | | 170 |
| 175 | | | | | | | | | | 15.4 | 175.7 | 24,900 | 29.0 | 200.1 | 21,700 | 37.9 | 211.9 | 18,600 | 45.0 | 217.8 | 15,600 | 175 |
| 180 | | | | | | | | | | | | | 24.0 | 189.9 | 20,700 | 34.1 | 204.9 | 17,700 | 41.7 | 212.4 | 14,700 | 180 |
| 185 | | | | | | | | | | | | | 17.6 | 176.3 | 19,600 | 29.9 | 196.7 | 16,800 | 38.3 | 206.3 | 13,900 | 185 |
| 190 | | | | | | | | | | | | | 6.5 | 151.7 | 18,600 | 25.0 | 186.8 | 15,900 | 34.5 | 199.4 | 13,200 | 190 |
| 195 | | | | | | | | | | | | | | | | 19.0 | 174.1 | 15,100 | 30.3 | 191.4 | 12,400 | 195 |
| 200 | | | | | | | | | | | | | | | | 9.8 | 153.8 | 14,200 | 25.5 | 181.7 | 11,700 | 200 |
| 205 | | | | | | | | | | | | | | | | | | | 19.6 | 169.3 | 11,000 | 205 |
| 210 | | | | | | | | | | | | | | | | | | | 11.0 | 150.3 | 10,300 | 210 |

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

DESIGNED AND TESTED
WITH THE INTENT TO BE
THE SCOPE OF ANSI B30.5

M-250 SERIES 2

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING**

135 FT. BOOM, 140 FT. JIB

| JIB OPER. RAD. FEET | 88 DEGREE BOOM ANGLE | | | 83 DEGREE BOOM ANGLE | | | 80 DEGREE BOOM ANGLE | | | 75 DEGREE BOOM ANGLE | | | 70 DEGREE BOOM ANGLE | | | 65 DEGREE BOOM ANGLE | | | 60 DEGREE BOOM ANGLE | | | JIB OPER. RAD. FEET |
|------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|------------------------------|
| | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | |
| 55 | 75.4 | 283.8 | 93,300* | | | | | | | | | | | | | | | | | | | 55 |
| 60 | 73.3 | 282.4 | 88,900* | | | | | | | | | | | | | | | | | | | 60 |
| 65 | 71.1 | 280.7 | 84,800* | | | | | | | | | | | | | | | | | | | 65 |
| 70 | 68.9 | 278.8 | 80,900* | | | | | | | | | | | | | | | | | | | 70 |
| 75 | 66.7 | 276.7 | 77,300* | | | | | | | | | | | | | | | | | | | 75 |
| 80 | 64.4 | 274.4 | 74,000* | 69.8 | 278.1 | 82,000* | | | | | | | | | | | | | | | | 80 |
| 85 | 62.1 | 271.8 | 70,800* | 67.6 | 276.1 | 78,500* | | | | | | | | | | | | | | | | 85 |
| 90 | 59.8 | 269.0 | 67,900* | 65.4 | 273.8 | 75,200* | | | | | | | | | | | | | | | | 90 |
| 95 | 57.4 | 265.9 | 64,300* | 63.1 | 271.4 | 70,900 | 66.3 | 273.4 | 66,900 | | | | | | | | | | | | | 95 |
| 100 | 54.9 | 262.5 | 59,500* | 60.8 | 268.6 | 66,200 | 64.1 | 271.0 | 62,400 | | | | | | | | | | | | | 100 |
| 105 | 52.3 | 258.7 | 55,200* | 58.4 | 265.6 | 62,000 | 61.8 | 268.4 | 58,400 | | | | | | | | | | | | | 105 |
| 110 | 49.7 | 254.6 | 51,500* | 55.9 | 262.3 | 58,200 | 59.4 | 265.5 | 54,800 | | | | | | | | | | | | | 110 |
| 115 | 46.9 | 250.0 | 48,100* | 53.4 | 258.7 | 54,800 | 57.0 | 262.3 | 51,500 | 62.6 | 266.1 | 46,100 | | | | | | | | | | 115 |
| 120 | 44.0 | 245.0 | 45,100* | 50.8 | 254.7 | 51,700 | 54.5 | 258.9 | 48,600 | 60.2 | 263.3 | 43,400 | | | | | | | | | | 120 |
| 125 | 41.0 | 239.5 | 42,300* | 48.1 | 250.4 | 48,800 | 51.9 | 255.0 | 45,900 | 57.8 | 260.2 | 40,900 | | | | | | | | | | 125 |
| 130 | 37.7 | 233.3 | 39,800* | 45.2 | 245.6 | 46,200 | 49.2 | 250.9 | 43,400 | 55.3 | 256.9 | 38,700 | | | | | | | | | | 130 |
| 135 | 34.2 | 226.2 | 37,500* | 42.2 | 240.2 | 43,400* | 46.5 | 246.2 | 41,100 | 52.8 | 253.2 | 36,600 | | | | | | | | | | 135 |
| 140 | 30.3 | 218.1 | 35,200* | 39.1 | 234.3 | 40,800* | 43.5 | 241.2 | 39,000 | 50.2 | 249.1 | 34,700 | 56.0 | 253.6 | 30,400 | | | | | | | 140 |
| 145 | 25.8 | 208.5 | 32,900* | 35.6 | 227.6 | 38,500* | 40.4 | 235.5 | 37,000 | 47.4 | 244.6 | 32,900 | 53.5 | 250.0 | 28,800 | | | | | | | 145 |
| 150 | 20.5 | 196.5 | 30,700* | 31.9 | 220.0 | 36,300* | 37.1 | 229.2 | 35,200 | 44.5 | 239.7 | 31,200 | 50.9 | 246.0 | 27,300 | | | | | | | 150 |
| 155 | 13.2 | 179.5 | 28,800* | 27.7 | 211.1 | 34,300* | 33.6 | 222.0 | 33,500 | 41.5 | 234.3 | 29,700 | 48.2 | 241.7 | 25,900 | | | | | | | 155 |
| 160 | | | | 22.8 | 200.2 | 32,400* | 29.6 | 213.7 | 31,900 | 38.3 | 228.2 | 28,200 | 45.4 | 236.9 | 24,600 | 51.4 | 241.6 | 21,000 | | | | 160 |
| 165 | | | | 16.6 | 185.9 | 30,700* | 25.0 | 203.8 | 30,400 | 34.8 | 221.3 | 26,900 | 42.4 | 231.6 | 23,300 | 48.7 | 237.3 | 19,900 | | | | 165 |
| 170 | | | | 5.3 | 158.6 | 28,200* | 19.5 | 191.2 | 29,000 | 31.0 | 213.4 | 25,600 | 39.2 | 225.7 | 22,200 | 45.9 | 232.6 | 18,800 | | | | 170 |
| 175 | | | | | | | 11.6 | 172.6 | 27,600 | 26.7 | 204.1 | 24,300 | 35.8 | 219.0 | 21,100 | 43.0 | 227.5 | 17,900 | | | | 175 |
| 180 | | | | | | | | | | 21.6 | 192.7 | 23,200 | 32.1 | 211.5 | 20,000 | 39.8 | 221.7 | 16,900 | 46.2 | 227.0 | 13,900 | 180 |
| 185 | | | | | | | | | | 14.8 | 177.0 | 22,100 | 27.9 | 202.6 | 19,000 | 36.5 | 215.2 | 16,000 | 43.2 | 221.8 | 13,100 | 185 |
| 190 | | | | | | | | | | | | | 23.1 | 191.9 | 18,100 | 32.8 | 207.8 | 15,200 | 40.1 | 216.1 | 12,400 | 190 |
| 195 | | | | | | | | | | | | | 16.9 | 177.8 | 17,200 | 28.8 | 199.2 | 14,400 | 36.8 | 209.7 | 11,700 | 195 |
| 200 | | | | | | | | | | | | | 6.3 | 152.2 | 16,200 | 24.1 | 188.9 | 13,600 | 33.2 | 202.4 | 11,000 | 200 |
| 205 | | | | | | | | | | | | | | | | 18.3 | 175.7 | 12,900 | 29.2 | 194.0 | 10,300 | 205 |
| 210 | | | | | | | | | | | | | | | | 9.4 | 154.5 | 12,100 | 24.6 | 183.9 | 9,700 | 210 |
| 215 | | | | | | | | | | | | | | | | | | | 18.9 | 171.0 | 9,100 | 215 |
| 220 | | | | | | | | | | | | | | | | | | | 10.6 | 151.2 | 8,400 | 220 |

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

DESIGNED AND TESTED
WITH THE INTENT TO BE
THE SCOPE OF ANSI B30.5

M-250 SERIES 2

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING**

135 FT. BOOM, 150 FT. JIB

| JIB OPER. RAD. FEET | 88 DEGREE BOOM ANGLE | | | 83 DEGREE BOOM ANGLE | | | 80 DEGREE BOOM ANGLE | | | 75 DEGREE BOOM ANGLE | | | 70 DEGREE BOOM ANGLE | | | 65 DEGREE BOOM ANGLE | | | 60 DEGREE BOOM ANGLE | | | JIB OPER. RAD. FEET |
|---------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|---------------------|
| | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | |
| 60 | 74.4 | 292.8 | 85,200* | | | | | | | | | | | | | | | | | | | 60 |
| 65 | 72.4 | 291.3 | 81,400* | | | | | | | | | | | | | | | | | | | 65 |
| 70 | 70.4 | 289.5 | 77,900* | | | | | | | | | | | | | | | | | | | 70 |
| 75 | 68.3 | 287.6 | 74,500* | | | | | | | | | | | | | | | | | | | 75 |
| 80 | 66.3 | 285.5 | 71,400* | | | | | | | | | | | | | | | | | | | 80 |
| 85 | 64.1 | 283.1 | 68,500* | 69.2 | 286.8 | 75,600* | | | | | | | | | | | | | | | | 85 |
| 90 | 62.0 | 280.5 | 65,800* | 67.1 | 284.8 | 72,500* | | | | | | | | | | | | | | | | 90 |
| 95 | 59.8 | 277.7 | 63,200* | 65.0 | 282.5 | 69,700* | 68.0 | 284.3 | 66,200 | | | | | | | | | | | | | 95 |
| 100 | 57.6 | 274.6 | 60,500* | 62.9 | 280.0 | 65,600 | 65.9 | 282.1 | 61,700 | | | | | | | | | | | | | 100 |
| 105 | 55.2 | 271.2 | 56,200* | 60.7 | 277.3 | 61,400 | 63.8 | 279.7 | 57,700 | | | | | | | | | | | | | 105 |
| 110 | 52.9 | 267.5 | 52,300* | 58.5 | 274.3 | 57,600 | 61.6 | 277.0 | 54,100 | | | | | | | | | | | | | 110 |
| 115 | 50.4 | 263.5 | 48,800* | 56.2 | 271.0 | 54,200 | 59.4 | 274.2 | 50,900 | | | | | | | | | | | | | 115 |
| 120 | 47.9 | 259.1 | 45,700* | 53.8 | 267.5 | 51,100 | 57.2 | 271.0 | 47,900 | 62.4 | 274.7 | 42,700 | | | | | | | | | | 120 |
| 125 | 45.2 | 254.2 | 42,900* | 51.4 | 263.6 | 48,200 | 54.9 | 267.6 | 45,200 | 60.2 | 271.9 | 40,300 | | | | | | | | | | 125 |
| 130 | 42.4 | 248.9 | 40,300* | 48.9 | 259.3 | 45,600 | 52.5 | 263.8 | 42,800 | 58.0 | 268.9 | 38,000 | | | | | | | | | | 130 |
| 135 | 39.5 | 243.1 | 38,000* | 46.3 | 254.7 | 43,300 | 50.0 | 259.8 | 40,500 | 55.7 | 265.6 | 35,900 | | | | | | | | | | 135 |
| 140 | 36.4 | 236.5 | 35,800* | 43.6 | 249.6 | 41,000 | 47.4 | 255.3 | 38,400 | 53.3 | 261.9 | 34,000 | | | | | | | | | | 140 |
| 145 | 33.0 | 229.2 | 33,500* | 40.7 | 244.0 | 38,900* | 44.8 | 250.4 | 36,400 | 50.9 | 258.0 | 32,200 | 56.3 | 262.3 | 28,100 | | | | | | | 145 |
| 150 | 29.2 | 220.7 | 31,300* | 37.7 | 237.7 | 36,700* | 42.0 | 245.0 | 34,600 | 48.3 | 253.6 | 30,600 | 54.0 | 258.7 | 26,600 | | | | | | | 150 |
| 155 | 24.9 | 210.7 | 29,300* | 34.4 | 230.7 | 34,700* | 39.0 | 239.1 | 32,900 | 45.7 | 248.9 | 29,100 | 51.5 | 254.9 | 25,200 | | | | | | | 155 |
| 160 | 19.8 | 198.3 | 27,500* | 30.8 | 222.8 | 32,800* | 35.8 | 232.4 | 31,400 | 42.9 | 243.7 | 27,600 | 49.0 | 250.6 | 23,900 | | | | | | | 160 |
| 165 | 12.8 | 180.6 | 25,800* | 26.7 | 213.5 | 31,100* | 32.4 | 224.9 | 29,900 | 40.0 | 237.9 | 26,300 | 46.4 | 246.0 | 22,700 | 52.0 | 250.4 | 19,200 | | | | 165 |
| 170 | | | | 22.0 | 202.2 | 29,400* | 28.5 | 216.2 | 28,500 | 36.9 | 231.5 | 25,000 | 43.7 | 240.9 | 21,500 | 49.5 | 246.3 | 18,200 | | | | 170 |
| 175 | | | | 16.0 | 187.3 | 27,900* | 24.2 | 205.9 | 27,200 | 33.6 | 224.3 | 23,800 | 40.9 | 235.3 | 20,500 | 47.0 | 241.7 | 17,200 | | | | 175 |
| 180 | | | | 5.1 | 159.0 | 24,300* | 18.8 | 192.9 | 25,900 | 29.9 | 216.1 | 22,700 | 37.8 | 229.1 | 19,400 | 44.3 | 236.7 | 16,300 | | | | 180 |
| 185 | | | | | | | 11.2 | 173.6 | 24,600 | 25.7 | 206.4 | 21,600 | 34.5 | 222.2 | 18,500 | 41.4 | 231.3 | 15,400 | 47.2 | 236.0 | 12,500 | 185 |
| 190 | | | | | | | | | | 20.8 | 194.5 | 20,500 | 31.0 | 214.2 | 17,500 | 38.4 | 225.2 | 14,600 | 44.5 | 231.1 | 11,700 | 190 |
| 195 | | | | | | | | | | 14.3 | 178.2 | 19,500 | 26.9 | 205.0 | 16,700 | 35.2 | 218.4 | 13,800 | 41.7 | 225.6 | 11,000 | 195 |
| 200 | | | | | | | | | | | | | 22.3 | 193.8 | 15,800 | 31.7 | 210.6 | 13,000 | 38.7 | 219.6 | 10,300 | 200 |
| 205 | | | | | | | | | | | | | 16.3 | 179.2 | 15,000 | 27.8 | 201.7 | 12,300 | 35.5 | 212.9 | 9,700 | 205 |
| 210 | | | | | | | | | | | | | 6.0 | 152.7 | 14,100 | 23.2 | 191.0 | 11,600 | 32.0 | 205.3 | 9,100 | 210 |
| 215 | | | | | | | | | | | | | | | | 17.6 | 177.2 | 10,900 | 28.2 | 196.5 | 8,500 | 215 |
| 220 | | | | | | | | | | | | | | | | 9.0 | 155.3 | 10,200 | 23.7 | 186.0 | 7,900 | 220 |
| 225 | | | | | | | | | | | | | | | | | | | 18.2 | 172.6 | 7,400 | 225 |
| 230 | | | | | | | | | | | | | | | | | | | 10.2 | 152.1 | 6,800 | 230 |

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

DESIGNED AND TESTED
WITH THE INTENT TO BE
THE SCOPE OF ANSI B30.5

M-250 SERIES 2

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING**

135 FT. BOOM, 160 FT. JIB

| JIB OPER. RAD. FEET | 88 DEGREE BOOM ANGLE | | | 83 DEGREE BOOM ANGLE | | | 80 DEGREE BOOM ANGLE | | | 75 DEGREE BOOM ANGLE | | | 70 DEGREE BOOM ANGLE | | | 65 DEGREE BOOM ANGLE | | | 60 DEGREE BOOM ANGLE | | | JIB OPER. RAD. FEET |
|------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|------------------------------|
| | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | |
| 60 | 75.4 | 303.2 | 80,500* | | | | | | | | | | | | | | | | | | | 60 |
| 65 | 73.5 | 301.8 | 77,500* | | | | | | | | | | | | | | | | | | | 65 |
| 70 | 71.7 | 300.1 | 75,400* | | | | | | | | | | | | | | | | | | | 70 |
| 75 | 69.8 | 298.3 | 72,300* | | | | | | | | | | | | | | | | | | | 75 |
| 80 | 67.8 | 296.4 | 69,300* | | | | | | | | | | | | | | | | | | | 80 |
| 85 | 65.9 | 294.2 | 66,600* | 70.5 | 297.5 | 73,100* | | | | | | | | | | | | | | | | 85 |
| 90 | 63.9 | 291.8 | 64,000* | 68.6 | 295.6 | 70,300* | | | | | | | | | | | | | | | | 90 |
| 95 | 61.9 | 289.2 | 61,500* | 66.7 | 293.5 | 67,600* | | | | | | | | | | | | | | | | 95 |
| 100 | 59.8 | 286.3 | 59,200* | 64.7 | 291.2 | 64,900 | 67.5 | 293.0 | 61,000 | | | | | | | | | | | | | 100 |
| 105 | 57.7 | 283.2 | 55,600* | 62.7 | 288.7 | 60,700 | 65.6 | 290.8 | 57,000 | | | | | | | | | | | | | 105 |
| 110 | 55.6 | 279.9 | 51,800* | 60.7 | 285.9 | 57,000 | 63.6 | 288.4 | 53,400 | | | | | | | | | | | | | 110 |
| 115 | 53.3 | 276.2 | 48,300* | 58.6 | 283.0 | 53,600 | 61.5 | 285.7 | 50,200 | | | | | | | | | | | | | 115 |
| 120 | 51.1 | 272.3 | 45,200* | 56.4 | 279.7 | 50,500 | 59.5 | 282.8 | 47,300 | | | | | | | | | | | | | 120 |
| 125 | 48.7 | 268.0 | 42,300* | 54.2 | 276.2 | 47,600 | 57.4 | 279.7 | 44,600 | 62.2 | 283.4 | 39,500 | | | | | | | | | | 125 |
| 130 | 46.3 | 263.4 | 39,800* | 52.0 | 272.4 | 45,000 | 55.2 | 276.3 | 42,100 | 60.2 | 280.6 | 37,300 | | | | | | | | | | 130 |
| 135 | 43.7 | 258.3 | 37,500* | 49.7 | 268.2 | 42,700 | 53.0 | 272.6 | 39,800 | 58.1 | 277.6 | 35,200 | | | | | | | | | | 135 |
| 140 | 41.0 | 252.7 | 35,300* | 47.3 | 263.7 | 40,400 | 50.7 | 268.6 | 37,800 | 55.9 | 274.3 | 33,300 | | | | | | | | | | 140 |
| 145 | 38.2 | 246.6 | 33,300* | 44.8 | 258.8 | 38,400* | 48.3 | 264.3 | 35,800 | 53.7 | 270.7 | 31,500 | | | | | | | | | | 145 |
| 150 | 35.1 | 239.7 | 31,500* | 42.1 | 253.5 | 36,200* | 45.8 | 259.6 | 34,000 | 51.5 | 266.8 | 29,900 | 56.5 | 271.0 | 25,800 | | | | | | | 150 |
| 155 | 31.9 | 232.0 | 29,600* | 39.4 | 247.6 | 34,100* | 43.3 | 254.4 | 32,300 | 49.1 | 262.6 | 28,400 | 54.3 | 267.5 | 24,500 | | | | | | | 155 |
| 160 | 28.2 | 223.2 | 27,800* | 36.4 | 241.0 | 32,300* | 40.6 | 248.7 | 30,800 | 46.7 | 258.0 | 26,900 | 52.1 | 263.7 | 23,200 | | | | | | | 160 |
| 165 | 24.1 | 212.9 | 26,100* | 33.2 | 233.7 | 30,500* | 37.7 | 242.5 | 29,300 | 44.2 | 253.0 | 25,600 | 49.8 | 259.5 | 21,900 | | | | | | | 165 |
| 170 | 19.1 | 199.9 | 24,500* | 29.8 | 225.4 | 28,900* | 34.6 | 235.5 | 27,900 | 41.5 | 247.5 | 24,300 | 47.4 | 255.1 | 20,800 | 52.5 | 259.2 | 17,400 | | | | 170 |
| 175 | 12.4 | 181.6 | 23,000* | 25.9 | 215.8 | 27,400* | 31.3 | 227.7 | 26,600 | 38.7 | 241.5 | 23,100 | 44.9 | 250.2 | 19,700 | 50.2 | 255.1 | 16,400 | | | | 175 |
| 180 | | | | 21.3 | 204.0 | 26,000* | 27.6 | 218.7 | 25,400 | 35.7 | 234.8 | 22,000 | 42.3 | 244.8 | 18,700 | 47.8 | 250.7 | 15,500 | | | | 180 |
| 185 | | | | 15.5 | 188.6 | 24,700* | 23.4 | 207.9 | 24,200 | 32.5 | 227.2 | 21,000 | 39.5 | 238.9 | 17,800 | 45.4 | 245.9 | 14,600 | | | | 185 |
| 190 | | | | 4.9 | 159.4 | 21,500* | 18.2 | 194.4 | 23,100 | 28.9 | 218.7 | 19,900 | 36.6 | 232.4 | 16,900 | 42.8 | 240.7 | 13,800 | | | | 190 |
| 195 | | | | | | | 10.8 | 174.5 | 21,900 | 24.9 | 208.6 | 19,000 | 33.4 | 225.2 | 16,000 | 40.0 | 234.9 | 13,100 | 45.6 | 240.3 | 10,200 | 195 |
| 200 | | | | | | | | | | 20.1 | 196.3 | 18,100 | 29.9 | 216.9 | 15,200 | 37.1 | 228.5 | 12,300 | 43.0 | 235.0 | 9,600 | 200 |
| 205 | | | | | | | | | | 13.8 | 179.4 | 17,100 | 26.1 | 207.3 | 14,400 | 34.0 | 221.4 | 11,600 | 40.3 | 229.3 | 8,900 | 205 |
| 210 | | | | | | | | | | | | | 21.5 | 195.7 | 13,600 | 30.6 | 213.4 | 10,900 | 37.4 | 223.0 | 8,300 | 210 |
| 215 | | | | | | | | | | | | | 15.8 | 180.5 | 12,900 | 26.8 | 204.1 | 10,300 | 34.3 | 216.0 | 7,800 | 215 |
| 220 | | | | | | | | | | | | | 5.8 | 153.2 | 12,100 | 22.5 | 193.0 | 9,700 | 31.0 | 208.0 | 7,200 | 220 |
| 225 | | | | | | | | | | | | | | | | 17.1 | 178.7 | 9,100 | 27.2 | 198.9 | 6,700 | 225 |
| 230 | | | | | | | | | | | | | | | | 8.7 | 156.0 | 8,400 | 22.9 | 188.0 | 6,200 | 230 |
| 235 | | | | | | | | | | | | | | | | | | | 17.6 | 174.1 | 5,700 | 235 |
| 240 | | | | | | | | | | | | | | | | | | | 9.8 | 152.9 | 5,100 | 240 |

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

DESIGNED AND TESTED
WITH THE INTENT TO BE
THE SCOPE OF ANSI B30.5

M-250 SERIES 2

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING**

135 FT. BOOM, 170 FT. JIB

| JIB OPER. RAD. FEET | 88 DEGREE BOOM ANGLE | | | 83 DEGREE BOOM ANGLE | | | 80 DEGREE BOOM ANGLE | | | 75 DEGREE BOOM ANGLE | | | 70 DEGREE BOOM ANGLE | | | 65 DEGREE BOOM ANGLE | | | 60 DEGREE BOOM ANGLE | | | JIB OPER. RAD. FEET |
|---------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|---------------------|
| | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | |
| 65 | 74.5 | 312.2 | 73,100* | | | | | | | | | | | | | | | | | | | 65 |
| 70 | 72.8 | 310.7 | 70,700* | | | | | | | | | | | | | | | | | | | 70 |
| 75 | 71.0 | 309.0 | 68,400* | | | | | | | | | | | | | | | | | | | 75 |
| 80 | 69.2 | 307.1 | 67,500* | | | | | | | | | | | | | | | | | | | 80 |
| 85 | 67.4 | 305.1 | 64,800* | | | | | | | | | | | | | | | | | | | 85 |
| 90 | 65.5 | 302.9 | 62,300* | 69.9 | 306.3 | 66,900* | | | | | | | | | | | | | | | | 90 |
| 95 | 63.7 | 300.5 | 60,000* | 68.1 | 304.4 | 64,600* | | | | | | | | | | | | | | | | 95 |
| 100 | 61.8 | 297.8 | 57,800* | 66.3 | 302.2 | 63,400* | | | | | | | | | | | | | | | | 100 |
| 105 | 59.8 | 295.0 | 55,400* | 64.4 | 299.9 | 60,300 | 67.1 | 301.7 | 56,600 | | | | | | | | | | | | | 105 |
| 110 | 57.8 | 291.9 | 51,500* | 62.5 | 297.4 | 56,600 | 65.2 | 299.5 | 53,000 | | | | | | | | | | | | | 110 |
| 115 | 55.8 | 288.6 | 48,000* | 60.6 | 294.6 | 53,200 | 63.4 | 297.0 | 49,800 | | | | | | | | | | | | | 115 |
| 120 | 53.7 | 285.0 | 44,900* | 58.7 | 291.6 | 50,100 | 61.4 | 294.4 | 46,900 | | | | | | | | | | | | | 120 |
| 125 | 51.6 | 281.1 | 42,100* | 56.7 | 288.4 | 47,300 | 59.5 | 291.5 | 44,200 | | | | | | | | | | | | | 125 |
| 130 | 49.4 | 276.9 | 39,500* | 54.6 | 284.9 | 44,700 | 57.5 | 288.4 | 41,700 | 62.1 | 292.1 | 36,900 | | | | | | | | | | 130 |
| 135 | 47.1 | 272.4 | 37,200* | 52.5 | 281.2 | 42,300 | 55.5 | 285.0 | 39,500 | 60.2 | 289.3 | 34,800 | | | | | | | | | | 135 |
| 140 | 44.8 | 267.5 | 35,000* | 50.3 | 277.1 | 40,100 | 53.4 | 281.4 | 37,400 | 58.2 | 286.2 | 32,900 | | | | | | | | | | 140 |
| 145 | 42.3 | 262.2 | 33,000* | 48.1 | 272.7 | 38,100* | 51.3 | 277.5 | 35,500 | 56.2 | 283.0 | 31,200 | | | | | | | | | | 145 |
| 150 | 39.7 | 256.3 | 31,200* | 45.8 | 268.0 | 35,900* | 49.1 | 273.2 | 33,700 | 54.1 | 279.4 | 29,500 | | | | | | | | | | 150 |
| 155 | 37.0 | 249.9 | 29,500* | 43.3 | 262.8 | 33,800* | 46.8 | 268.6 | 32,000 | 52.0 | 275.6 | 28,000 | 56.7 | 279.7 | 24,100 | | | | | | | 155 |
| 160 | 34.1 | 242.8 | 28,000* | 40.8 | 257.2 | 32,000* | 44.4 | 263.7 | 30,400 | 49.8 | 271.5 | 26,600 | 54.7 | 276.2 | 22,800 | | | | | | | 160 |
| 165 | 30.9 | 234.8 | 26,400* | 38.1 | 251.0 | 30,200* | 41.9 | 258.2 | 29,000 | 47.6 | 267.0 | 25,200 | 52.6 | 272.4 | 21,600 | | | | | | | 165 |
| 170 | 27.4 | 225.7 | 24,900* | 35.3 | 244.2 | 28,600* | 39.3 | 252.3 | 27,600 | 45.2 | 262.2 | 24,000 | 50.4 | 268.4 | 20,500 | | | | | | | 170 |
| 175 | 23.4 | 214.9 | 23,400* | 32.2 | 236.6 | 27,100* | 36.5 | 245.8 | 26,300 | 42.8 | 256.9 | 22,800 | 48.2 | 264.0 | 19,400 | 53.0 | 268.0 | 16,100 | | | | 175 |
| 180 | 18.6 | 201.6 | 22,100* | 28.8 | 228.0 | 25,700* | 33.6 | 238.5 | 25,100 | 40.2 | 251.2 | 21,700 | 45.9 | 259.3 | 18,400 | 50.8 | 264.0 | 15,100 | | | | 180 |
| 185 | 12.0 | 182.7 | 20,400* | 25.1 | 218.0 | 24,400* | 30.3 | 230.4 | 23,900 | 37.5 | 244.9 | 20,700 | 43.5 | 254.2 | 17,400 | 48.6 | 259.7 | 14,300 | | | | 185 |
| 190 | | | | 20.7 | 205.9 | 23,200* | 26.8 | 221.0 | 22,800 | 34.6 | 237.9 | 19,700 | 40.9 | 248.6 | 16,500 | 46.3 | 255.0 | 13,500 | | | | 190 |
| 195 | | | | 15.0 | 189.9 | 22,000* | 22.6 | 209.9 | 21,800 | 31.5 | 230.1 | 18,700 | 38.3 | 242.4 | 15,700 | 43.9 | 250.0 | 12,700 | | | | 195 |
| 200 | | | | 4.7 | 159.8 | 19,200* | 17.7 | 196.0 | 20,800 | 28.0 | 221.2 | 17,800 | 35.4 | 235.6 | 14,900 | 41.4 | 244.5 | 12,000 | 46.5 | 249.4 | 9,200 | 200 |
| 205 | | | | | | | 10.5 | 175.4 | 19,800 | 24.1 | 210.7 | 16,900 | 32.4 | 228.1 | 14,100 | 38.8 | 238.5 | 11,300 | 44.2 | 244.3 | 8,600 | 205 |
| 210 | | | | | | | | | | 19.5 | 198.0 | 16,100 | 29.0 | 219.5 | 13,400 | 36.0 | 231.8 | 10,600 | 41.7 | 238.9 | 8,000 | 210 |
| 215 | | | | | | | | | | 13.4 | 180.5 | 15,300 | 25.3 | 209.6 | 12,600 | 33.0 | 224.4 | 10,000 | 39.0 | 232.9 | 7,500 | 215 |
| 220 | | | | | | | | | | | | | 20.9 | 197.6 | 11,900 | 29.7 | 216.0 | 9,400 | 36.2 | 226.3 | 6,900 | 220 |
| 225 | | | | | | | | | | | | | 15.3 | 181.9 | 11,300 | 26.0 | 206.4 | 8,800 | 33.3 | 219.0 | 6,400 | 225 |
| 230 | | | | | | | | | | | | | 5.6 | 153.6 | 10,600 | 21.8 | 194.9 | 8,200 | 30.0 | 210.7 | 5,900 | 230 |
| 235 | | | | | | | | | | | | | | | | 16.5 | 180.1 | 7,700 | 26.4 | 201.2 | 5,400 | 235 |
| 240 | | | | | | | | | | | | | | | | 8.5 | 156.7 | 7,100 | 22.2 | 189.9 | 4,900 | 240 |
| 245 | | | | | | | | | | | | | | | | | | | 17.1 | 175.6 | 4,500 | 245 |
| 250 | | | | | | | | | | | | | | | | | | | 9.5 | 153.7 | 4,000 | 250 |

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

DESIGNED AND TESTED
WITH THE INTENT TO BE
THE SCOPE OF ANSI B30.5

M-250 SERIES 2

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING**

135 FT. BOOM, 180 FT. JIB

| JIB OPER. RAD. FEET | 88 DEGREE BOOM ANGLE | | | 83 DEGREE BOOM ANGLE | | | 80 DEGREE BOOM ANGLE | | | 75 DEGREE BOOM ANGLE | | | 70 DEGREE BOOM ANGLE | | | 65 DEGREE BOOM ANGLE | | | 60 DEGREE BOOM ANGLE | | | JIB OPER. RAD. FEET |
|---------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|---------------------|
| | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | |
| 65 | 75.4 | 322.5 | 68,900* | | | | | | | | | | | | | | | | | | | 65 |
| 70 | 73.8 | 321.1 | 67,100* | | | | | | | | | | | | | | | | | | | 70 |
| 75 | 72.1 | 319.6 | 65,200* | | | | | | | | | | | | | | | | | | | 75 |
| 80 | 70.4 | 317.8 | 63,700* | | | | | | | | | | | | | | | | | | | 80 |
| 85 | 68.7 | 315.9 | 61,900* | | | | | | | | | | | | | | | | | | | 85 |
| 90 | 67.0 | 313.8 | 60,400* | | | | | | | | | | | | | | | | | | | 90 |
| 95 | 65.2 | 311.6 | 58,200* | 69.4 | 315.1 | 60,900* | | | | | | | | | | | | | | | | 95 |
| 100 | 63.5 | 309.1 | 56,100* | 67.7 | 313.1 | 60,400* | | | | | | | | | | | | | | | | 100 |
| 105 | 61.7 | 306.5 | 54,100* | 66.0 | 311.0 | 57,700* | | | | | | | | | | | | | | | | 105 |
| 110 | 59.8 | 303.6 | 50,900* | 64.2 | 308.6 | 56,000 | 66.7 | 310.5 | 52,400 | | | | | | | | | | | | | 110 |
| 115 | 58.0 | 300.6 | 47,500* | 62.4 | 306.0 | 52,600 | 64.9 | 308.2 | 49,100 | | | | | | | | | | | | | 115 |
| 120 | 56.1 | 297.3 | 44,300* | 60.6 | 303.3 | 49,500 | 63.2 | 305.7 | 46,200 | | | | | | | | | | | | | 120 |
| 125 | 54.1 | 293.7 | 41,500* | 58.7 | 300.3 | 46,700 | 61.4 | 303.0 | 43,500 | | | | | | | | | | | | | 125 |
| 130 | 52.1 | 289.9 | 39,000* | 56.8 | 297.1 | 44,100 | 59.5 | 300.1 | 41,100 | | | | | | | | | | | | | 130 |
| 135 | 50.1 | 285.8 | 36,600* | 54.9 | 293.6 | 41,700 | 57.7 | 297.0 | 38,800 | 62.0 | 300.7 | 34,100 | | | | | | | | | | 135 |
| 140 | 47.9 | 281.4 | 34,500* | 52.9 | 290.0 | 39,500 | 55.7 | 293.7 | 36,800 | 60.2 | 297.9 | 32,200 | | | | | | | | | | 140 |
| 145 | 45.7 | 276.7 | 32,500* | 50.9 | 286.0 | 37,500 | 53.8 | 290.1 | 34,800 | 58.3 | 294.9 | 30,400 | | | | | | | | | | 145 |
| 150 | 43.4 | 271.5 | 30,700* | 48.8 | 281.7 | 35,400* | 51.8 | 286.3 | 33,000 | 56.4 | 291.6 | 28,800 | | | | | | | | | | 150 |
| 155 | 41.1 | 265.9 | 29,000* | 46.6 | 277.1 | 33,300* | 49.7 | 282.1 | 31,400 | 54.5 | 288.1 | 27,300 | | | | | | | | | | 155 |
| 160 | 38.6 | 259.8 | 27,400* | 44.4 | 272.1 | 31,400* | 47.6 | 277.7 | 29,800 | 52.5 | 284.4 | 25,900 | 56.9 | 288.3 | 22,000 | | | | | | | 160 |
| 165 | 35.9 | 253.2 | 26,000* | 42.0 | 266.7 | 29,700* | 45.4 | 272.8 | 28,400 | 50.4 | 280.3 | 24,600 | 55.0 | 284.9 | 20,800 | | | | | | | 165 |
| 170 | 33.1 | 245.8 | 24,600* | 39.6 | 260.8 | 28,100* | 43.1 | 267.6 | 27,000 | 48.3 | 276.0 | 23,300 | 53.0 | 281.2 | 19,700 | | | | | | | 170 |
| 175 | 30.0 | 237.5 | 23,400* | 37.0 | 254.4 | 26,600* | 40.7 | 262.0 | 25,700 | 46.1 | 271.3 | 22,100 | 51.0 | 277.3 | 18,700 | | | | | | | 175 |
| 180 | 26.6 | 228.0 | 22,200* | 34.2 | 247.3 | 25,200* | 38.1 | 255.8 | 24,500 | 43.9 | 266.2 | 21,000 | 48.9 | 273.0 | 17,700 | | | | | | | 180 |
| 185 | 22.7 | 216.9 | 21,000* | 31.3 | 239.4 | 23,900* | 35.4 | 249.0 | 23,300 | 41.5 | 260.7 | 20,000 | 46.7 | 268.4 | 16,700 | 51.4 | 272.8 | 13,500 | | | | 185 |
| 190 | 18.0 | 203.1 | 19,900* | 28.0 | 230.5 | 22,700* | 32.6 | 241.5 | 22,300 | 39.0 | 254.7 | 19,000 | 44.5 | 263.4 | 15,800 | 49.3 | 268.6 | 12,700 | | | | 190 |
| 195 | 11.6 | 183.7 | 18,000* | 24.3 | 220.1 | 21,500* | 29.4 | 233.0 | 21,200 | 36.4 | 248.2 | 18,100 | 42.2 | 258.1 | 15,000 | 47.2 | 264.1 | 12,000 | | | | 195 |
| 200 | | | | 20.1 | 207.6 | 20,400* | 26.0 | 223.3 | 20,200 | 33.6 | 240.9 | 17,200 | 39.7 | 252.2 | 14,200 | 44.9 | 259.2 | 11,300 | | | | 200 |
| 205 | | | | 14.6 | 191.2 | 19,400* | 22.0 | 211.9 | 19,300 | 30.5 | 232.8 | 16,300 | 37.1 | 245.8 | 13,400 | 42.6 | 253.9 | 10,600 | 47.4 | 258.4 | 7,800 | 205 |
| 210 | | | | 4.6 | 160.2 | 16,800* | 17.1 | 197.5 | 18,400 | 27.2 | 223.6 | 15,500 | 34.4 | 238.7 | 12,700 | 40.2 | 248.2 | 9,900 | 45.1 | 253.5 | 7,200 | 210 |
| 215 | | | | | | | 10.2 | 176.2 | 17,500 | 23.4 | 212.8 | 14,700 | 31.4 | 230.9 | 12,000 | 37.6 | 241.9 | 9,300 | 42.8 | 248.3 | 6,700 | 215 |
| 220 | | | | | | | | | | 18.9 | 199.6 | 14,000 | 28.2 | 222.0 | 11,300 | 34.9 | 235.0 | 8,700 | 40.4 | 242.6 | 6,200 | 220 |
| 225 | | | | | | | | | | 13.0 | 181.6 | 13,200 | 24.5 | 211.7 | 10,700 | 32.0 | 227.3 | 8,100 | 37.9 | 236.3 | 5,700 | 225 |
| 230 | | | | | | | | | | | | | 20.3 | 199.3 | 10,100 | 28.8 | 218.6 | 7,600 | 35.2 | 229.5 | 5,200 | 230 |
| 235 | | | | | | | | | | | | | 14.9 | 183.1 | 9,400 | 25.3 | 208.6 | 7,000 | 32.3 | 221.9 | 4,700 | 235 |
| 240 | | | | | | | | | | | | | 5.5 | 154.1 | 8,800 | 21.2 | 196.7 | 6,500 | 29.1 | 213.3 | 4,200 | 240 |
| 245 | | | | | | | | | | | | | | | | 16.1 | 181.5 | 6,000 | | | | 245 |
| 250 | | | | | | | | | | | | | | | | 8.2 | 157.4 | 5,500 | | | | 250 |

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

DESIGNED AND TESTED
WITH THE INTENT TO BE
THE SCOPE OF ANSI B30.5

M-250 SERIES 2

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING**

135 FT. BOOM, 190 FT. JIB

| JIB OPER. RAD. FEET | 88 DEGREE BOOM ANGLE | | | 83 DEGREE BOOM ANGLE | | | 80 DEGREE BOOM ANGLE | | | 75 DEGREE BOOM ANGLE | | | 70 DEGREE BOOM ANGLE | | | 65 DEGREE BOOM ANGLE | | | 60 DEGREE BOOM ANGLE | | | JIB OPER. RAD. FEET |
|---------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|---------------------|
| | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | |
| 70 | 74.6 | 331.5 | 61,900* | | | | | | | | | | | | | | | | | | | 70 |
| 75 | 73.1 | 330.1 | 61,400* | | | | | | | | | | | | | | | | | | | 75 |
| 80 | 71.5 | 328.4 | 61,000* | | | | | | | | | | | | | | | | | | | 80 |
| 85 | 69.9 | 326.6 | 59,900* | | | | | | | | | | | | | | | | | | | 85 |
| 90 | 68.3 | 324.7 | 58,500* | | | | | | | | | | | | | | | | | | | 90 |
| 95 | 66.6 | 322.6 | 56,600* | 70.5 | 325.8 | 57,800* | | | | | | | | | | | | | | | | 95 |
| 100 | 65.0 | 320.3 | 54,600* | 68.9 | 323.9 | 56,500* | | | | | | | | | | | | | | | | 100 |
| 105 | 63.3 | 317.8 | 52,400* | 67.3 | 321.9 | 55,300* | | | | | | | | | | | | | | | | 105 |
| 110 | 61.6 | 315.2 | 50,000* | 65.6 | 319.7 | 54,100* | 68.0 | 321.3 | 51,700 | | | | | | | | | | | | | 110 |
| 115 | 59.8 | 312.3 | 47,000* | 64.0 | 317.3 | 52,000 | 66.4 | 319.2 | 48,500 | | | | | | | | | | | | | 115 |
| 120 | 58.1 | 309.3 | 43,900* | 62.3 | 314.7 | 48,900 | 64.7 | 316.9 | 45,600 | | | | | | | | | | | | | 120 |
| 125 | 56.3 | 306.0 | 41,000* | 60.6 | 311.9 | 46,100 | 63.0 | 314.4 | 42,900 | | | | | | | | | | | | | 125 |
| 130 | 54.4 | 302.5 | 38,500* | 58.8 | 309.0 | 43,500 | 61.3 | 311.7 | 40,500 | | | | | | | | | | | | | 130 |
| 135 | 52.5 | 298.7 | 36,100* | 57.0 | 305.8 | 41,100 | 59.6 | 308.8 | 38,200 | | | | | | | | | | | | | 135 |
| 140 | 50.6 | 294.7 | 34,000* | 55.2 | 302.4 | 39,000 | 57.8 | 305.7 | 36,200 | 61.9 | 309.4 | 31,600 | | | | | | | | | | 140 |
| 145 | 48.6 | 290.4 | 32,000* | 53.3 | 298.7 | 36,900 | 56.0 | 302.4 | 34,300 | 60.2 | 306.6 | 29,800 | | | | | | | | | | 145 |
| 150 | 46.6 | 285.8 | 30,200* | 51.4 | 294.8 | 34,900* | 54.1 | 298.9 | 32,500 | 58.4 | 303.6 | 28,200 | | | | | | | | | | 150 |
| 155 | 44.4 | 280.8 | 28,500* | 49.4 | 290.6 | 32,800* | 52.2 | 295.1 | 30,800 | 56.6 | 300.3 | 26,700 | | | | | | | | | | 155 |
| 160 | 42.2 | 275.4 | 26,900* | 47.4 | 286.1 | 30,900* | 50.3 | 291.0 | 29,300 | 54.8 | 296.9 | 25,300 | | | | | | | | | | 160 |
| 165 | 39.9 | 269.6 | 25,500* | 45.3 | 281.3 | 29,200* | 48.3 | 286.6 | 27,800 | 52.9 | 293.2 | 24,000 | 57.1 | 297.0 | 20,200 | | | | | | | 165 |
| 170 | 37.5 | 263.3 | 24,100* | 43.1 | 276.1 | 27,600* | 46.2 | 282.0 | 26,400 | 51.0 | 289.2 | 22,700 | 55.3 | 293.6 | 19,100 | | | | | | | 170 |
| 175 | 34.9 | 256.3 | 22,900* | 40.9 | 270.4 | 26,100* | 44.1 | 276.9 | 25,200 | 49.0 | 284.9 | 21,600 | 53.4 | 290.0 | 18,000 | | | | | | | 175 |
| 180 | 32.1 | 248.7 | 21,700* | 38.5 | 264.3 | 24,700* | 41.9 | 271.5 | 24,000 | 46.9 | 280.4 | 20,500 | 51.5 | 286.1 | 17,000 | | | | | | | 180 |
| 185 | 29.1 | 240.1 | 20,600* | 36.0 | 257.7 | 23,400* | 39.5 | 265.6 | 22,800 | 44.8 | 275.4 | 19,400 | 49.5 | 281.9 | 16,100 | | | | | | | 185 |
| 190 | 25.8 | 230.3 | 19,500* | 33.3 | 250.3 | 22,200* | 37.1 | 259.2 | 21,700 | 42.6 | 270.1 | 18,500 | 47.5 | 277.4 | 15,200 | 51.9 | 281.6 | 12,100 | | | | 190 |
| 195 | 22.1 | 218.8 | 18,500* | 30.4 | 242.1 | 21,000* | 34.5 | 252.1 | 20,700 | 40.3 | 264.4 | 17,500 | 45.4 | 272.6 | 14,400 | 49.9 | 277.5 | 11,300 | | | | 195 |
| 200 | 17.5 | 204.7 | 17,600* | 27.2 | 232.9 | 19,900* | 31.7 | 244.3 | 19,700 | 37.9 | 258.2 | 16,600 | 43.2 | 267.4 | 13,600 | 47.9 | 273.1 | 10,600 | | | | 200 |
| 205 | 11.3 | 184.6 | 15,700* | 23.7 | 222.2 | 18,900* | 28.6 | 235.6 | 18,800 | 35.4 | 251.4 | 15,800 | 41.0 | 261.8 | 12,800 | 45.8 | 268.4 | 10,000 | | | | 205 |
| 210 | | | | 19.5 | 209.3 | 18,000* | 25.3 | 225.6 | 17,900 | 32.6 | 243.8 | 15,000 | 38.6 | 255.7 | 12,100 | 43.7 | 263.2 | 9,300 | | | | 210 |
| 215 | | | | 14.2 | 192.4 | 17,000* | 21.4 | 213.7 | 17,100 | 29.7 | 235.4 | 14,200 | 36.1 | 249.1 | 11,400 | 41.4 | 257.7 | 8,700 | 46.0 | 262.7 | 6,100 | 215 |
| 220 | | | | 4.4 | 160.5 | 14,700* | 16.7 | 198.9 | 16,200 | 26.5 | 225.9 | 13,500 | 33.4 | 241.8 | 10,800 | 39.1 | 251.7 | 8,100 | 43.9 | 257.6 | 5,500 | 220 |
| 225 | | | | | | | 9.9 | 177.1 | 15,400 | 22.8 | 214.8 | 12,800 | 30.5 | 233.6 | 10,100 | 36.6 | 245.2 | 7,500 | 41.6 | 252.1 | 5,000 | 225 |
| 230 | | | | | | | | | | 18.4 | 201.2 | 12,100 | 27.4 | 224.4 | 9,500 | 33.9 | 238.0 | 7,000 | 39.3 | 246.2 | 4,600 | 230 |
| 235 | | | | | | | | | | 12.6 | 182.7 | 11,400 | 23.8 | 213.8 | 8,900 | 31.1 | 230.1 | 6,500 | 36.8 | 239.7 | 4,100 | 235 |
| 240 | | | | | | | | | | | | | 19.7 | 201.1 | 8,400 | 28.0 | 221.1 | 6,000 | | | | 240 |
| 245 | | | | | | | | | | | | | 14.5 | 184.4 | 7,800 | 24.6 | 210.8 | 5,500 | | | | 245 |
| 250 | | | | | | | | | | | | | 5.3 | 154.5 | 7,200 | 20.6 | 198.5 | 5,000 | | | | 250 |
| 255 | | | | | | | | | | | | | | | | 15.6 | 182.9 | 4,600 | | | | 255 |
| 260 | | | | | | | | | | | | | | | | 8.0 | 158.1 | 4,100 | | | | 260 |

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

DESIGNED AND TESTED
WITH THE INTENT TO BE
THE SCOPE OF ANSI B30.5

M-250 SERIES 2

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING**

135 FT. BOOM, 200 FT. JIB

| JIB OPER. RAD. FEET | 88 DEGREE BOOM ANGLE | | | 83 DEGREE BOOM ANGLE | | | 80 DEGREE BOOM ANGLE | | | 75 DEGREE BOOM ANGLE | | | 70 DEGREE BOOM ANGLE | | | 65 DEGREE BOOM ANGLE | | | JIB OPER. RAD. FEET |
|---------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|---------------------|
| | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | |
| 70 | 75.4 | 341.9 | 56,000* | | | | | | | | | | | | | | | | 70 |
| 75 | 73.9 | 340.5 | 54,800* | | | | | | | | | | | | | | | | 75 |
| 80 | 72.4 | 339.0 | 54,700* | | | | | | | | | | | | | | | | 80 |
| 85 | 70.9 | 337.3 | 53,900* | | | | | | | | | | | | | | | | 85 |
| 90 | 69.4 | 335.4 | 53,500* | | | | | | | | | | | | | | | | 90 |
| 95 | 67.9 | 333.4 | 53,100* | | | | | | | | | | | | | | | | 95 |
| 100 | 66.3 | 331.3 | 50,800* | 70.0 | 334.6 | 51,500* | | | | | | | | | | | | | 100 |
| 105 | 64.7 | 329.0 | 48,600* | 68.5 | 332.7 | 50,700* | | | | | | | | | | | | | 105 |
| 110 | 63.1 | 326.5 | 46,300* | 66.9 | 330.6 | 49,900* | | | | | | | | | | | | | 110 |
| 115 | 61.5 | 323.8 | 44,200* | 65.4 | 328.4 | 48,800* | 67.6 | 330.1 | 47,800 | | | | | | | | | | 115 |
| 120 | 59.9 | 321.0 | 42,100* | 63.8 | 326.0 | 47,600* | 66.0 | 327.9 | 44,900 | | | | | | | | | | 120 |
| 125 | 58.2 | 317.9 | 40,100* | 62.2 | 323.4 | 45,500* | 64.5 | 325.6 | 42,300 | | | | | | | | | | 125 |
| 130 | 56.5 | 314.7 | 38,100* | 60.5 | 320.6 | 42,900 | 62.9 | 323.0 | 39,800 | | | | | | | | | | 130 |
| 135 | 54.7 | 311.2 | 36,000* | 58.9 | 317.6 | 40,500 | 61.2 | 320.4 | 37,600 | | | | | | | | | | 135 |
| 140 | 52.9 | 307.5 | 33,800* | 57.2 | 314.5 | 38,300 | 59.6 | 317.5 | 35,500 | | | | | | | | | | 140 |
| 145 | 51.1 | 303.5 | 31,800* | 55.4 | 311.1 | 36,300 | 57.9 | 314.4 | 33,600 | 61.8 | 318.1 | 29,100 | | | | | | | 145 |
| 150 | 49.2 | 299.3 | 30,000* | 53.7 | 307.5 | 34,400 | 56.2 | 311.1 | 31,800 | 60.1 | 315.2 | 27,500 | | | | | | | 150 |
| 155 | 47.3 | 294.8 | 28,300* | 51.9 | 303.6 | 32,600* | 54.4 | 307.6 | 30,200 | 58.5 | 312.2 | 26,000 | | | | | | | 155 |
| 160 | 45.3 | 290.0 | 26,700* | 50.0 | 299.5 | 30,700* | 52.6 | 303.8 | 28,600 | 56.8 | 309.0 | 24,600 | | | | | | | 160 |
| 165 | 43.2 | 284.8 | 25,200* | 48.1 | 295.1 | 29,000* | 50.8 | 299.9 | 27,200 | 55.0 | 305.6 | 23,300 | | | | | | | 165 |
| 170 | 41.1 | 279.2 | 23,800* | 46.1 | 290.4 | 27,300* | 48.9 | 295.6 | 25,800 | 53.3 | 301.9 | 22,000 | 57.2 | 305.7 | 18,300 | | | | 170 |
| 175 | 38.8 | 273.1 | 22,500* | 44.1 | 285.4 | 25,800* | 47.0 | 291.0 | 24,500 | 51.4 | 298.0 | 20,900 | 55.5 | 302.3 | 17,300 | | | | 175 |
| 180 | 36.5 | 266.6 | 21,300* | 42.0 | 279.9 | 24,400* | 45.0 | 286.1 | 23,300 | 49.6 | 293.8 | 19,800 | 53.8 | 298.7 | 16,300 | | | | 180 |
| 185 | 34.0 | 259.4 | 20,200* | 39.8 | 274.1 | 23,100* | 42.9 | 280.9 | 22,200 | 47.7 | 289.4 | 18,800 | 51.9 | 294.9 | 15,400 | | | | 185 |
| 190 | 31.3 | 251.5 | 19,100* | 37.5 | 267.7 | 21,800* | 40.7 | 275.2 | 21,100 | 45.7 | 284.6 | 17,800 | 50.1 | 290.8 | 14,500 | | | | 190 |
| 195 | 28.4 | 242.6 | 18,100* | 35.0 | 260.8 | 20,700* | 38.5 | 269.1 | 20,100 | 43.6 | 279.5 | 16,900 | 48.2 | 286.4 | 13,700 | 52.3 | 290.4 | 10,600 | 195 |
| 200 | 25.2 | 232.5 | 17,200* | 32.4 | 253.2 | 19,600* | 36.1 | 262.4 | 19,100 | 41.5 | 274.0 | 16,000 | 46.2 | 281.7 | 12,900 | 50.5 | 286.4 | 9,900 | 200 |
| 205 | 21.5 | 220.7 | 16,300* | 29.6 | 244.8 | 18,500* | 33.6 | 255.1 | 18,200 | 39.3 | 268.0 | 15,200 | 44.2 | 276.7 | 12,100 | 48.6 | 282.1 | 9,200 | 205 |
| 210 | 17.1 | 206.1 | 15,400* | 26.5 | 235.3 | 17,600* | 30.8 | 247.1 | 17,400 | 36.9 | 261.5 | 14,400 | 42.1 | 271.3 | 11,400 | 46.6 | 277.4 | 8,600 | 210 |
| 215 | 11.0 | 185.6 | 13,700* | 23.1 | 224.2 | 16,600* | 27.9 | 238.0 | 16,500 | 34.4 | 254.5 | 13,600 | 39.9 | 265.4 | 10,700 | 44.6 | 272.5 | 8,000 | 215 |
| 220 | | | | 19.0 | 211.0 | 15,800* | 24.6 | 227.7 | 15,700 | 31.8 | 246.7 | 12,900 | 37.6 | 259.1 | 10,100 | 42.5 | 267.1 | 7,400 | 220 |
| 225 | | | | 13.8 | 193.6 | 14,900* | 20.8 | 215.6 | 14,900 | 28.9 | 238.0 | 12,200 | 35.1 | 252.2 | 9,500 | 40.3 | 261.4 | 6,800 | 225 |
| 230 | | | | 4.3 | 160.9 | 12,800* | 16.2 | 200.3 | 14,200 | 25.8 | 228.2 | 11,500 | 32.5 | 244.7 | 8,900 | 38.0 | 255.2 | 6,300 | 230 |
| 235 | | | | | | | 9.6 | 177.9 | 13,400 | 22.2 | 216.8 | 10,900 | 29.7 | 236.3 | 8,300 | 35.6 | 248.4 | 5,800 | 235 |
| 240 | | | | | | | | | | 17.9 | 202.8 | 10,200 | 26.7 | 226.8 | 7,700 | 33.1 | 241.0 | 5,300 | 240 |
| 245 | | | | | | | | | | 12.3 | 183.8 | 9,600 | 23.2 | 215.9 | 7,200 | 30.3 | 232.8 | 4,800 | 245 |
| 250 | | | | | | | | | | | | | 19.2 | 202.7 | 6,700 | 27.3 | 223.5 | 4,400 | 250 |
| 255 | | | | | | | | | | | | | 14.1 | 185.6 | 6,200 | | | | 255 |
| 260 | | | | | | | | | | | | | 5.2 | 154.9 | 5,600 | | | | 260 |

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

DESIGNED AND TESTED
WITH THE INTENT TO BE
THE SCOPE OF ANSI B30.5

M-250 SERIES 2

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING**

145 FT. BOOM, 70 FT. JIB

| JIB OPER. RAD. FEET | 88 DEGREE BOOM ANGLE | | | 83 DEGREE BOOM ANGLE | | | 80 DEGREE BOOM ANGLE | | | 75 DEGREE BOOM ANGLE | | | 70 DEGREE BOOM ANGLE | | | 65 DEGREE BOOM ANGLE | | | 60 DEGREE BOOM ANGLE | | | JIB OPER. RAD. FEET |
|------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|------------------------------|
| | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | |
| 50 | 64.6 | 221.3 | 121,100*b | | | | | | | | | | | | | | | | | | | 50 |
| 55 | 59.9 | 218.6 | 113,900*b | | | | | | | | | | | | | | | | | | | 55 |
| 60 | 55.0 | 215.3 | 107,500*b | | | | | | | | | | | | | | | | | | | 60 |
| 65 | 49.7 | 211.3 | 101,800* | 62.6 | 218.6 | 116,100*b | | | | | | | | | | | | | | | | 65 |
| 70 | 44.0 | 206.4 | 96,700* | 57.9 | 215.6 | 109,700*b | 65.1 | 218.5 | 116,000b | | | | | | | | | | | | | 70 |
| 75 | 37.6 | 200.4 | 90,500* | 52.8 | 212.0 | 103,800*b | 60.4 | 215.8 | 106,400b | | | | | | | | | | | | | 75 |
| 80 | 30.1 | 192.6 | 82,200* | 47.4 | 207.7 | 98,600* | 55.6 | 212.5 | 98,100b | | | | | | | | | | | | | 80 |
| 85 | 20.0 | 181.4 | 75,100* | 41.5 | 202.4 | 93,800* | 50.4 | 208.6 | 91,000 | 62.8 | 213.8 | 85,400b | | | | | | | | | | 85 |
| 90 | | | | 34.7 | 195.8 | 86,900* | 44.7 | 203.8 | 84,700 | 58.1 | 210.8 | 79,500b | | | | | | | | | | 90 |
| 95 | | | | 26.3 | 186.9 | 79,100* | 38.4 | 198.0 | 79,200 | 53.1 | 207.3 | 74,300b | | | | | | | | | | 95 |
| 100 | | | | 13.7 | 172.4 | 72,500* | 31.0 | 190.5 | 74,200 | 47.7 | 203.0 | 69,700 | | | | | | | | | | 100 |
| 105 | | | | | | | 21.4 | 179.8 | 69,800 | 41.7 | 197.7 | 65,600 | 55.3 | 204.4 | 61,300b | | | | | | | 105 |
| 110 | | | | | | | | | | 35.0 | 191.2 | 61,800 | 50.1 | 200.5 | 57,900 | | | | | | | 110 |
| 115 | | | | | | | | | | 26.7 | 182.4 | 58,400 | 44.4 | 195.7 | 54,700 | | | | | | | 115 |
| 120 | | | | | | | | | | 14.5 | 168.4 | 55,300 | 38.1 | 189.8 | 51,800 | 52.0 | 196.4 | 48,300 | | | | 120 |
| 125 | | | | | | | | | | | | | 30.6 | 182.2 | 49,200 | 46.5 | 191.9 | 45,800 | | | | 125 |
| 130 | | | | | | | | | | | | | 20.8 | 171.3 | 46,700 | 40.4 | 186.5 | 43,600 | | | | 130 |
| 135 | | | | | | | | | | | | | | | | 33.5 | 179.6 | 41,500 | 47.9 | 186.6 | 38,500 | 135 |
| 140 | | | | | | | | | | | | | | | | 24.8 | 170.2 | 39,500 | 42.0 | 181.4 | 36,700 | 140 |
| 145 | | | | | | | | | | | | | | | | 10.3 | 153.3 | 37,600 | 35.3 | 174.9 | 35,000 | 145 |
| 150 | | | | | | | | | | | | | | | | | | | 27.2 | 166.3 | 33,400 | 150 |
| 155 | | | | | | | | | | | | | | | | | | | 15.3 | 152.7 | 31,900 | 155 |

MANITOWOC ENGINEERING CO.

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



LIFT CRANE LUFFING JIB CAPACITIES

DESIGNED AND TESTED
WITH THE INTENT TO BE
THE SCOPE OF ANSI B30.5

M-250 SERIES 2

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING**

145 FT. BOOM, 80 FT. JIB

| JIB OPER. RAD. FEET | 88 DEGREE BOOM ANGLE | | | 83 DEGREE BOOM ANGLE | | | 80 DEGREE BOOM ANGLE | | | 75 DEGREE BOOM ANGLE | | | 70 DEGREE BOOM ANGLE | | | 65 DEGREE BOOM ANGLE | | | 60 DEGREE BOOM ANGLE | | | JIB OPER. RAD. FEET |
|------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|------------------------------|
| | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | |
| 50 | 68.0 | 232.3 | 117,600*b | | | | | | | | | | | | | | | | | | | 50 |
| 55 | 64.0 | 230.0 | 110,800*b | | | | | | | | | | | | | | | | | | | 55 |
| 60 | 59.9 | 227.2 | 104,600*b | | | | | | | | | | | | | | | | | | | 60 |
| 65 | 55.6 | 224.0 | 99,100* | 66.3 | 229.8 | 113,000*b | | | | | | | | | | | | | | | | 65 |
| 70 | 51.1 | 220.1 | 94,100* | 62.3 | 227.3 | 106,800*b | | | | | | | | | | | | | | | | 70 |
| 75 | 46.3 | 215.6 | 89,600* | 58.2 | 224.3 | 101,200*b | 64.5 | 227.1 | 105,800b | | | | | | | | | | | | | 75 |
| 80 | 41.0 | 210.2 | 82,500* | 53.8 | 220.8 | 96,100* | 60.4 | 224.4 | 97,600b | | | | | | | | | | | | | 80 |
| 85 | 35.1 | 203.6 | 75,400* | 49.1 | 216.7 | 91,400* | 56.1 | 221.2 | 90,500 | | | | | | | | | | | | | 85 |
| 90 | 28.0 | 195.1 | 69,200* | 44.1 | 211.8 | 87,300* | 51.6 | 217.4 | 84,200 | 62.5 | 222.5 | 78,900b | | | | | | | | | | 90 |
| 95 | 18.6 | 183.0 | 63,900* | 38.6 | 206.0 | 79,400* | 46.9 | 213.0 | 78,700 | 58.3 | 219.5 | 73,700 | | | | | | | | | | 95 |
| 100 | | | | 32.3 | 198.7 | 72,700* | 41.6 | 207.7 | 73,800 | 54.0 | 216.0 | 69,100 | | | | | | | | | | 100 |
| 105 | | | | 24.5 | 189.1 | 67,000* | 35.8 | 201.2 | 69,400 | 49.4 | 211.9 | 65,000 | | | | | | | | | | 105 |
| 110 | | | | 12.8 | 173.4 | 61,900* | 28.9 | 193.1 | 65,500 | 44.4 | 207.1 | 61,300 | 55.9 | 213.1 | 57,200 | | | | | | | 110 |
| 115 | | | | | | | 19.9 | 181.6 | 61,800 | 38.9 | 201.3 | 58,000 | 51.4 | 209.3 | 54,100 | | | | | | | 115 |
| 120 | | | | | | | | | | 32.6 | 194.1 | 54,900 | 46.6 | 204.9 | 51,200 | | | | | | | 120 |
| 125 | | | | | | | | | | 24.9 | 184.6 | 52,100 | 41.4 | 199.5 | 48,600 | | | | | | | 125 |
| 130 | | | | | | | | | | 13.5 | 169.5 | 49,400 | 35.5 | 193.0 | 46,200 | 48.4 | 201.0 | 42,900 | | | | 130 |
| 135 | | | | | | | | | | | | | 28.6 | 184.7 | 44,000 | 43.3 | 196.0 | 40,800 | | | | 135 |
| 140 | | | | | | | | | | | | | 19.4 | 173.0 | 41,900 | 37.7 | 189.9 | 38,900 | | | | 140 |
| 145 | | | | | | | | | | | | | | | | 31.2 | 182.4 | 37,100 | 44.6 | 190.8 | 34,400 | 145 |
| 150 | | | | | | | | | | | | | | | | 23.1 | 172.2 | 35,400 | 39.1 | 185.0 | 32,800 | 150 |
| 155 | | | | | | | | | | | | | | | | 9.5 | 154.0 | 33,800 | 32.9 | 177.9 | 31,400 | 155 |
| 160 | | | | | | | | | | | | | | | | 25.3 | 168.5 | 30,000 | 25.3 | 168.5 | 30,000 | 160 |
| 165 | | | | | | | | | | | | | | | | 14.2 | 153.9 | 28,600 | 14.2 | 153.9 | 28,600 | 165 |

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

DESIGNED AND TESTED
WITH THE INTENT TO BE
THE SCOPE OF ANSI B30.5

M-250 SERIES 2

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING**

145 FT. BOOM, 90 FT. JIB

| JIB OPER. RAD. FEET | 88 DEGREE BOOM ANGLE | | | 83 DEGREE BOOM ANGLE | | | 80 DEGREE BOOM ANGLE | | | 75 DEGREE BOOM ANGLE | | | 70 DEGREE BOOM ANGLE | | | 65 DEGREE BOOM ANGLE | | | 60 DEGREE BOOM ANGLE | | | JIB OPER. RAD. FEET |
|---------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|---------------------|
| | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | |
| 50 | 70.5 | 243.1 | 113,300*b | | | | | | | | | | | | | | | | | | | 50 |
| 55 | 67.1 | 241.1 | 107,000*b | | | | | | | | | | | | | | | | | | | 55 |
| 60 | 63.6 | 238.7 | 101,200*b | | | | | | | | | | | | | | | | | | | 60 |
| 65 | 59.9 | 235.9 | 95,900* | 69.1 | 240.6 | 109,000*b | | | | | | | | | | | | | | | | 65 |
| 70 | 56.1 | 232.7 | 91,100* | 65.6 | 238.5 | 103,300*b | | | | | | | | | | | | | | | | 70 |
| 75 | 52.2 | 229.0 | 86,800* | 62.1 | 235.9 | 98,000* | 67.5 | 238.2 | 105,400b | | | | | | | | | | | | | 75 |
| 80 | 48.0 | 224.6 | 82,800* | 58.1 | 233.0 | 93,200* | 64.0 | 235.8 | 97,100b | | | | | | | | | | | | | 80 |
| 85 | 43.5 | 219.6 | 76,000* | 54.5 | 229.6 | 88,700* | 60.3 | 233.1 | 90,000 | | | | | | | | | | | | | 85 |
| 90 | 38.5 | 213.7 | 69,800* | 50.4 | 225.6 | 84,700* | 56.6 | 229.9 | 83,800 | | | | | | | | | | | | | 90 |
| 95 | 33.0 | 206.5 | 64,400* | 46.1 | 221.0 | 80,200* | 52.6 | 226.3 | 78,300 | 62.2 | 231.1 | 73,300 | | | | | | | | | | 95 |
| 100 | 26.4 | 197.5 | 59,700* | 41.5 | 215.6 | 73,400* | 48.5 | 222.0 | 73,500 | 58.5 | 228.2 | 68,700 | | | | | | | | | | 100 |
| 105 | 17.5 | 184.5 | 55,500* | 36.3 | 209.3 | 67,500* | 44.0 | 217.1 | 69,100 | 54.7 | 224.8 | 64,600 | | | | | | | | | | 105 |
| 110 | | | | 30.4 | 201.4 | 62,400* | 39.1 | 211.3 | 65,200 | 50.6 | 220.8 | 60,900 | | | | | | | | | | 110 |
| 115 | | | | 23.1 | 191.1 | 57,900* | 33.6 | 204.3 | 61,600 | 46.3 | 216.3 | 57,600 | 56.4 | 221.8 | 53,600 | | | | | | | 115 |
| 120 | | | | 12.0 | 174.4 | 53,900* | 27.2 | 195.5 | 58,400 | 41.7 | 211.0 | 54,600 | 52.4 | 218.2 | 50,800 | | | | | | | 120 |
| 125 | | | | | | | 18.7 | 183.2 | 55,400 | 36.5 | 204.6 | 51,800 | 48.3 | 213.9 | 48,200 | | | | | | | 125 |
| 130 | | | | | | | | | | 30.6 | 196.8 | 49,200 | 43.8 | 208.9 | 45,800 | | | | | | | 130 |
| 135 | | | | | | | | | | 23.4 | 186.7 | 46,900 | 38.9 | 203.1 | 43,600 | 49.8 | 209.9 | 40,400 | | | | 135 |
| 140 | | | | | | | | | | 12.7 | 170.6 | 44,600 | 33.4 | 196.0 | 41,600 | 45.4 | 205.2 | 38,500 | | | | 140 |
| 145 | | | | | | | | | | | | | 26.8 | 187.1 | 39,700 | 40.7 | 199.7 | 36,700 | | | | 145 |
| 150 | | | | | | | | | | | | | 18.2 | 174.5 | 37,900 | 35.4 | 193.1 | 35,100 | 46.5 | 199.9 | 32,400 | 150 |
| 155 | | | | | | | | | | | | | | | | 29.3 | 185.0 | 33,600 | 41.9 | 194.6 | 30,900 | 155 |
| 160 | | | | | | | | | | | | | | | | 21.7 | 174.1 | 32,100 | 36.8 | 188.3 | 29,600 | 160 |
| 165 | | | | | | | | | | | | | | | | 8.9 | 154.7 | 30,600 | 30.9 | 180.7 | 28,300 | 165 |
| 170 | | | | | | | | | | | | | | | | | | | 23.8 | 170.6 | 27,100 | 170 |
| 175 | | | | | | | | | | | | | | | | | | | 13.4 | 155.0 | 26,000 | 175 |

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

DESIGNED AND TESTED
WITH THE INTENT TO BE
THE SCOPE OF ANSI B30.5

M-250 SERIES 2

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING**

145 FT. BOOM, 100 FT. JIB

| JIB OPER. RAD. FEET | 88 DEGREE BOOM ANGLE | | | 83 DEGREE BOOM ANGLE | | | 80 DEGREE BOOM ANGLE | | | 75 DEGREE BOOM ANGLE | | | 70 DEGREE BOOM ANGLE | | | 65 DEGREE BOOM ANGLE | | | 60 DEGREE BOOM ANGLE | | | JIB OPER. RAD. FEET |
|---------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|---------------------|
| | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | |
| 50 | 72.5 | 253.7 | 109,900*b | | | | | | | | | | | | | | | | | | | 50 |
| 55 | 69.5 | 251.9 | 103,900*b | | | | | | | | | | | | | | | | | | | 55 |
| 60 | 66.4 | 249.8 | 98,400*b | | | | | | | | | | | | | | | | | | | 60 |
| 65 | 63.2 | 247.4 | 93,300* | | | | | | | | | | | | | | | | | | | 65 |
| 70 | 59.9 | 244.6 | 88,700* | 68.2 | 249.4 | 100,400*b | | | | | | | | | | | | | | | | 70 |
| 75 | 56.5 | 241.4 | 84,500* | 65.1 | 247.2 | 95,400* | | | | | | | | | | | | | | | | 75 |
| 80 | 53.0 | 237.7 | 80,700* | 61.9 | 244.6 | 90,800* | 66.8 | 246.9 | 96,600b | | | | | | | | | | | | | 80 |
| 85 | 49.3 | 233.6 | 75,900* | 58.5 | 241.6 | 86,500* | 63.6 | 244.5 | 89,500 | | | | | | | | | | | | | 85 |
| 90 | 45.3 | 228.9 | 69,600* | 55.1 | 238.3 | 82,600* | 60.3 | 241.7 | 83,300 | | | | | | | | | | | | | 90 |
| 95 | 41.1 | 223.4 | 64,200* | 51.5 | 234.4 | 79,000* | 56.9 | 238.6 | 77,800 | | | | | | | | | | | | | 95 |
| 100 | 36.4 | 217.0 | 59,500* | 47.7 | 230.1 | 73,200* | 53.4 | 235.0 | 73,000 | 62.0 | 239.8 | 68,100 | | | | | | | | | | 100 |
| 105 | 31.2 | 209.3 | 55,300* | 43.6 | 225.1 | 67,300* | 49.7 | 231.0 | 68,600 | 58.7 | 236.8 | 64,000 | | | | | | | | | | 105 |
| 110 | 24.9 | 199.7 | 51,600* | 39.2 | 219.2 | 62,200* | 45.8 | 226.3 | 64,700 | 55.2 | 233.5 | 60,300 | | | | | | | | | | 110 |
| 115 | 16.6 | 185.9 | 47,800* | 34.3 | 212.4 | 57,700* | 41.6 | 220.9 | 61,200 | 51.6 | 229.7 | 57,000 | | | | | | | | | | 115 |
| 120 | | | | 28.7 | 204.0 | 53,700* | 37.0 | 214.6 | 58,000 | 47.8 | 225.3 | 54,000 | 56.8 | 230.5 | 50,100 | | | | | | | 120 |
| 125 | | | | 21.8 | 193.0 | 50,200* | 31.8 | 207.1 | 55,000 | 43.8 | 220.4 | 51,300 | 53.2 | 226.9 | 47,500 | | | | | | | 125 |
| 130 | | | | 11.3 | 175.4 | 47,000* | 25.7 | 197.7 | 52,100* | 39.4 | 214.6 | 48,700 | 49.5 | 222.8 | 45,200 | | | | | | | 130 |
| 135 | | | | | | | 17.7 | 184.7 | 48,700* | 34.6 | 207.7 | 46,400 | 45.6 | 218.1 | 43,000 | | | | | | | 135 |
| 140 | | | | | | | | | | 29.0 | 199.4 | 44,200 | 41.4 | 212.7 | 41,000 | 50.9 | 218.8 | 37,800 | | | | 140 |
| 145 | | | | | | | | | | 22.2 | 188.6 | 42,200 | 36.8 | 206.4 | 39,100 | 47.0 | 214.3 | 36,100 | | | | 145 |
| 150 | | | | | | | | | | 12.0 | 171.6 | 40,200 | 31.6 | 198.8 | 37,400 | 42.9 | 209.2 | 34,500 | | | | 150 |
| 155 | | | | | | | | | | | | | 25.4 | 189.3 | 35,700 | 38.5 | 203.2 | 33,000 | 48.0 | 209.0 | 30,200 | 155 |
| 160 | | | | | | | | | | | | | 17.3 | 176.0 | 34,200 | 33.5 | 196.2 | 31,500 | 44.0 | 204.0 | 28,900 | 160 |
| 165 | | | | | | | | | | | | | | | | 27.7 | 187.4 | 30,200 | 39.6 | 198.3 | 27,700 | 165 |
| 170 | | | | | | | | | | | | | | | | 20.5 | 175.9 | 28,900 | 34.8 | 191.5 | 26,500 | 170 |
| 175 | | | | | | | | | | | | | | | | 8.4 | 155.4 | 27,600 | 29.3 | 183.3 | 25,400 | 175 |
| 180 | | | | | | | | | | | | | | | | | | | 22.5 | 172.6 | 24,400 | 180 |
| 185 | | | | | | | | | | | | | | | | | | | 12.6 | 156.1 | 23,300 | 185 |

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

DESIGNED AND TESTED
WITH THE INTENT TO BE
THE SCOPE OF ANSI B30.5

M-250 SERIES 2

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING**

145 FT. BOOM, 110 FT. JIB

| JIB OPER. RAD. FEET | 88 DEGREE BOOM ANGLE | | | 83 DEGREE BOOM ANGLE | | | 80 DEGREE BOOM ANGLE | | | 75 DEGREE BOOM ANGLE | | | 70 DEGREE BOOM ANGLE | | | 65 DEGREE BOOM ANGLE | | | 60 DEGREE BOOM ANGLE | | | JIB OPER. RAD. FEET |
|------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|------------------------------|
| | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | |
| 50 | 74.2 | 264.2 | 106,800*b | | | | | | | | | | | | | | | | | | | 50 |
| 55 | 71.4 | 262.5 | 101,100*b | | | | | | | | | | | | | | | | | | | 55 |
| 60 | 68.7 | 260.7 | 95,900* | | | | | | | | | | | | | | | | | | | 60 |
| 65 | 65.8 | 258.5 | 91,100* | | | | | | | | | | | | | | | | | | | 65 |
| 70 | 62.9 | 256.0 | 86,800* | 70.3 | 260.2 | 97,800*b | | | | | | | | | | | | | | | | 70 |
| 75 | 59.9 | 253.2 | 82,700* | 67.5 | 258.2 | 93,200* | | | | | | | | | | | | | | | | 75 |
| 80 | 56.9 | 250.1 | 79,000* | 64.6 | 255.9 | 88,800* | | | | | | | | | | | | | | | | 80 |
| 85 | 53.7 | 246.5 | 75,600* | 61.7 | 253.3 | 83,100 | 66.2 | 255.6 | 78,400 | | | | | | | | | | | | | 85 |
| 90 | 50.3 | 242.5 | 71,100* | 58.7 | 250.3 | 77,100 | 63.3 | 253.2 | 72,700 | | | | | | | | | | | | | 90 |
| 95 | 46.8 | 238.0 | 65,600* | 55.5 | 247.0 | 71,800 | 60.3 | 250.4 | 67,600 | | | | | | | | | | | | | 95 |
| 100 | 43.1 | 232.9 | 60,800* | 52.3 | 243.3 | 67,100 | 57.2 | 247.3 | 63,200 | | | | | | | | | | | | | 100 |
| 105 | 39.1 | 227.0 | 56,500* | 48.9 | 239.0 | 62,900 | 54.0 | 243.8 | 59,200 | 61.8 | 248.4 | 53,000 | | | | | | | | | | 105 |
| 110 | 34.7 | 220.2 | 52,600* | 45.3 | 234.3 | 59,100 | 50.7 | 239.8 | 55,600 | 58.8 | 245.5 | 49,800 | | | | | | | | | | 110 |
| 115 | 29.7 | 212.0 | 48,300* | 41.4 | 228.9 | 55,700 | 47.2 | 235.4 | 52,300 | 55.7 | 242.2 | 46,800 | | | | | | | | | | 115 |
| 120 | 23.7 | 201.7 | 44,600* | 37.3 | 222.6 | 52,600 | 43.5 | 230.3 | 49,400 | 52.4 | 238.5 | 44,100 | | | | | | | | | | 120 |
| 125 | 15.7 | 187.3 | 41,300* | 32.7 | 215.3 | 49,700 | 39.5 | 224.5 | 46,700 | 49.0 | 234.3 | 41,600 | 57.1 | 239.2 | 36,700 | | | | | | | 125 |
| 130 | | | | 27.3 | 206.4 | 47,000 | 35.2 | 217.8 | 44,200 | 45.4 | 229.6 | 39,400 | 53.9 | 235.7 | 34,600 | | | | | | | 130 |
| 135 | | | | 20.8 | 194.8 | 44,600 | 30.3 | 209.8 | 41,900 | 41.6 | 224.2 | 37,300 | 50.6 | 231.7 | 32,800 | | | | | | | 135 |
| 140 | | | | 10.7 | 176.3 | 42,200 | 24.5 | 199.9 | 39,700 | 37.5 | 218.0 | 35,400 | 47.1 | 227.2 | 31,000 | | | | | | | 140 |
| 145 | | | | | | | 16.9 | 186.2 | 37,700 | 32.9 | 210.7 | 33,600 | 43.3 | 222.2 | 29,400 | 51.8 | 227.6 | 25,300 | | | | 145 |
| 150 | | | | | | | | | | 27.6 | 201.9 | 31,900 | 39.3 | 216.3 | 27,900 | 48.3 | 223.3 | 24,000 | | | | 150 |
| 155 | | | | | | | | | | 21.1 | 190.5 | 30,300 | 35.0 | 209.6 | 26,500 | 44.7 | 218.5 | 22,700 | | | | 155 |
| 160 | | | | | | | | | | 11.4 | 172.5 | 28,700 | 30.0 | 201.5 | 25,100 | 40.8 | 213.0 | 21,500 | | | | 160 |
| 165 | | | | | | | | | | | | | 24.2 | 191.5 | 23,900 | 36.6 | 206.6 | 20,400 | 45.6 | 213.2 | 17,000 | 165 |
| 170 | | | | | | | | | | | | | 16.4 | 177.4 | 22,700 | 31.9 | 199.0 | 19,400 | 41.8 | 207.9 | 16,100 | 170 |
| 175 | | | | | | | | | | | | | | | | 26.4 | 189.8 | 18,400 | 37.7 | 201.7 | 15,200 | 175 |
| 180 | | | | | | | | | | | | | | | | 19.5 | 177.6 | 17,400 | 33.1 | 194.5 | 14,400 | 180 |
| 185 | | | | | | | | | | | | | | | | 8.0 | 156.1 | 16,400 | 27.8 | 185.7 | 13,600 | 185 |
| 190 | | | | | | | | | | | | | | | | | | | 21.4 | 174.5 | 12,800 | 190 |
| 195 | | | | | | | | | | | | | | | | | | | 12.0 | 157.1 | 12,000 | 195 |

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

DESIGNED AND TESTED
WITH THE INTENT TO BE
THE SCOPE OF ANSI B30.5

M-250 SERIES 2

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING**

145 FT. BOOM, 120 FT. JIB

| JIB OPER. RAD. FEET | 88 DEGREE BOOM ANGLE | | | 83 DEGREE BOOM ANGLE | | | 80 DEGREE BOOM ANGLE | | | 75 DEGREE BOOM ANGLE | | | 70 DEGREE BOOM ANGLE | | | 65 DEGREE BOOM ANGLE | | | 60 DEGREE BOOM ANGLE | | | JIB OPER. RAD. FEET |
|---------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|---------------------|
| | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | |
| 50 | 75.5 | 274.5 | 103,300* | | | | | | | | | | | | | | | | | | | 50 |
| 55 | 73.0 | 273.1 | 98,000* | | | | | | | | | | | | | | | | | | | 55 |
| 60 | 70.5 | 271.4 | 93,100* | | | | | | | | | | | | | | | | | | | 60 |
| 65 | 68.0 | 269.4 | 88,600* | | | | | | | | | | | | | | | | | | | 65 |
| 70 | 65.4 | 267.2 | 84,400* | | | | | | | | | | | | | | | | | | | 70 |
| 75 | 62.7 | 264.7 | 80,600* | 69.5 | 268.9 | 90,500* | | | | | | | | | | | | | | | | 75 |
| 80 | 59.9 | 261.9 | 77,000* | 66.9 | 266.9 | 86,400* | | | | | | | | | | | | | | | | 80 |
| 85 | 57.1 | 258.7 | 73,700* | 64.2 | 264.5 | 82,400 | | | | | | | | | | | | | | | | 85 |
| 90 | 54.2 | 255.3 | 70,600* | 61.5 | 261.9 | 76,400 | 65.7 | 264.3 | 71,900 | | | | | | | | | | | | | 90 |
| 95 | 51.2 | 251.4 | 65,200* | 58.8 | 259.0 | 71,200 | 63.0 | 261.8 | 66,900 | | | | | | | | | | | | | 95 |
| 100 | 48.0 | 247.0 | 60,400* | 55.9 | 255.7 | 66,500 | 60.3 | 259.1 | 62,500 | | | | | | | | | | | | | 100 |
| 105 | 44.7 | 242.1 | 56,100* | 53.0 | 252.0 | 62,300 | 57.5 | 256.0 | 58,500 | | | | | | | | | | | | | 105 |
| 110 | 41.1 | 236.6 | 52,300* | 49.9 | 248.0 | 58,500 | 54.6 | 252.5 | 54,900 | 61.7 | 257.1 | 49,000 | | | | | | | | | | 110 |
| 115 | 37.3 | 230.4 | 48,800* | 46.7 | 243.4 | 55,100 | 51.5 | 248.7 | 51,700 | 58.9 | 254.2 | 46,000 | | | | | | | | | | 115 |
| 120 | 33.1 | 223.1 | 45,000* | 43.2 | 238.3 | 52,000 | 48.4 | 244.4 | 48,700 | 56.0 | 250.9 | 43,300 | | | | | | | | | | 120 |
| 125 | 28.3 | 214.5 | 41,600* | 39.6 | 232.5 | 49,100 | 45.1 | 239.6 | 46,000 | 53.1 | 247.3 | 40,900 | | | | | | | | | | 125 |
| 130 | 22.7 | 203.7 | 38,500* | 35.6 | 225.9 | 46,500 | 41.6 | 234.1 | 43,600 | 50.0 | 243.2 | 38,700 | 57.3 | 247.9 | 33,800 | | | | | | | 130 |
| 135 | 15.0 | 188.6 | 35,800* | 31.2 | 218.1 | 44,100 | 37.8 | 228.0 | 41,300 | 46.8 | 238.7 | 36,600 | 54.4 | 244.4 | 32,000 | | | | | | | 135 |
| 140 | | | | 26.1 | 208.7 | 41,900 | 33.6 | 220.9 | 39,200 | 43.4 | 233.6 | 34,700 | 51.4 | 240.6 | 30,200 | | | | | | | 140 |
| 145 | | | | 19.8 | 196.6 | 39,600* | 28.9 | 212.4 | 37,200 | 39.7 | 227.8 | 32,900 | 48.2 | 236.3 | 28,600 | | | | | | | 145 |
| 150 | | | | 10.3 | 177.1 | 37,400* | 23.4 | 202.0 | 35,400 | 35.8 | 221.2 | 31,200 | 44.9 | 231.4 | 27,100 | 52.5 | 236.4 | 23,100 | | | | 150 |
| 155 | | | | | | | 16.1 | 187.6 | 33,600 | 31.4 | 213.5 | 29,700 | 41.4 | 226.0 | 25,800 | 49.4 | 232.3 | 21,900 | | | | 155 |
| 160 | | | | | | | | | | 26.4 | 204.2 | 28,200 | 37.6 | 219.8 | 24,400 | 46.1 | 227.6 | 20,700 | | | | 160 |
| 165 | | | | | | | | | | 20.2 | 192.2 | 26,800 | 33.4 | 212.6 | 23,200 | 42.7 | 222.4 | 19,600 | | | | 165 |
| 170 | | | | | | | | | | 10.9 | 173.4 | 25,500 | 28.7 | 204.1 | 22,100 | 39.0 | 216.5 | 18,600 | | | | 170 |
| 175 | | | | | | | | | | | | | 23.1 | 193.5 | 20,900 | 34.9 | 209.7 | 17,600 | 46.9 | 222.3 | 15,300 | 175 |
| 180 | | | | | | | | | | | | | 15.7 | 178.8 | 19,900 | 30.4 | 201.7 | 16,700 | 39.9 | 211.5 | 13,600 | 180 |
| 185 | | | | | | | | | | | | | | | | 25.2 | 192.0 | 15,800 | 36.0 | 205.0 | 12,800 | 185 |
| 190 | | | | | | | | | | | | | | | | 18.7 | 179.2 | 15,000 | 31.6 | 197.3 | 12,100 | 190 |
| 195 | | | | | | | | | | | | | | | | 7.6 | 156.7 | 14,000 | 26.6 | 188.1 | 11,400 | 195 |
| 200 | | | | | | | | | | | | | | | | | | | 20.5 | 176.3 | 10,700 | 200 |
| 205 | | | | | | | | | | | | | | | | | | | 11.5 | 158.1 | 10,000 | 205 |

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

DESIGNED AND TESTED
WITH THE INTENT TO BE
THE SCOPE OF ANSI B30.5

M-250 SERIES 2

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING**

145 FT. BOOM, 130 FT. JIB

| JIB OPER. RAD. FEET | 88 DEGREE BOOM ANGLE | | | 83 DEGREE BOOM ANGLE | | | 80 DEGREE BOOM ANGLE | | | 75 DEGREE BOOM ANGLE | | | 70 DEGREE BOOM ANGLE | | | 65 DEGREE BOOM ANGLE | | | 60 DEGREE BOOM ANGLE | | | JIB OPER. RAD. FEET |
|------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|------------------------------|
| | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | |
| 55 | 74.4 | 283.5 | 95,100* | | | | | | | | | | | | | | | | | | | 55 |
| 60 | 72.1 | 282.0 | 90,600* | | | | | | | | | | | | | | | | | | | 60 |
| 65 | 69.7 | 280.2 | 86,300* | | | | | | | | | | | | | | | | | | | 65 |
| 70 | 67.4 | 278.2 | 82,300* | | | | | | | | | | | | | | | | | | | 70 |
| 75 | 64.9 | 275.9 | 78,600* | | | | | | | | | | | | | | | | | | | 75 |
| 80 | 62.5 | 273.4 | 75,200* | 68.8 | 277.7 | 84,100* | | | | | | | | | | | | | | | | 80 |
| 85 | 59.9 | 270.5 | 72,000* | 66.4 | 275.6 | 80,500* | | | | | | | | | | | | | | | | 85 |
| 90 | 57.4 | 267.4 | 69,000* | 63.9 | 273.2 | 76,100 | 67.6 | 275.2 | 71,500 | | | | | | | | | | | | | 90 |
| 95 | 54.7 | 264.0 | 65,100* | 61.4 | 270.6 | 70,800 | 65.2 | 273.0 | 66,600 | | | | | | | | | | | | | 95 |
| 100 | 51.9 | 260.2 | 60,300* | 58.9 | 267.6 | 66,200 | 62.8 | 270.5 | 62,100 | | | | | | | | | | | | | 100 |
| 105 | 49.0 | 256.0 | 56,000* | 56.2 | 264.4 | 62,000 | 60.2 | 267.7 | 58,200 | | | | | | | | | | | | | 105 |
| 110 | 46.0 | 251.3 | 52,200* | 53.5 | 260.8 | 58,200 | 57.7 | 264.6 | 54,600 | | | | | | | | | | | | | 110 |
| 115 | 42.8 | 246.1 | 48,800* | 50.7 | 256.8 | 54,800 | 55.0 | 261.2 | 51,400 | 61.5 | 265.8 | 45,700 | | | | | | | | | | 115 |
| 120 | 39.4 | 240.3 | 45,400* | 47.8 | 252.4 | 51,700 | 52.2 | 257.5 | 48,400 | 59.0 | 262.8 | 43,000 | | | | | | | | | | 120 |
| 125 | 35.8 | 233.6 | 42,000* | 44.7 | 247.6 | 48,900 | 49.4 | 253.3 | 45,800 | 56.4 | 259.6 | 40,600 | | | | | | | | | | 125 |
| 130 | 31.8 | 226.0 | 39,000* | 41.4 | 242.1 | 46,300 | 46.4 | 248.7 | 43,300 | 53.6 | 256.0 | 38,300 | | | | | | | | | | 130 |
| 135 | 27.2 | 216.9 | 36,200* | 37.9 | 236.0 | 43,900 | 43.2 | 243.6 | 41,000 | 50.8 | 252.1 | 36,300 | 57.5 | 256.6 | 31,600 | | | | | | | 135 |
| 140 | 21.8 | 205.6 | 33,700* | 34.1 | 228.9 | 41,700 | 39.8 | 237.8 | 38,900 | 47.9 | 247.7 | 34,400 | 54.9 | 253.2 | 29,900 | | | | | | | 140 |
| 145 | 14.4 | 189.8 | 31,500* | 29.9 | 220.8 | 39,500* | 36.2 | 231.3 | 37,000 | 44.8 | 242.8 | 32,600 | 52.1 | 249.4 | 28,300 | | | | | | | 145 |
| 150 | | | | 25.1 | 210.9 | 37,300* | 32.2 | 223.8 | 35,200 | 41.6 | 237.4 | 31,000 | 49.2 | 245.2 | 26,800 | | | | | | | 150 |
| 155 | | | | 19.0 | 198.2 | 35,200* | 27.7 | 214.9 | 33,500 | 38.1 | 231.3 | 29,500 | 46.2 | 240.6 | 25,500 | | | | | | | 155 |
| 160 | | | | 9.8 | 178.0 | 33,300* | 22.4 | 203.9 | 31,900 | 34.3 | 224.3 | 28,000 | 43.0 | 235.4 | 24,200 | 50.3 | 241.2 | 20,400 | | | | 160 |
| 165 | | | | | | | 15.4 | 188.9 | 30,300 | 30.1 | 216.2 | 26,700 | 39.7 | 229.6 | 23,000 | 47.3 | 236.7 | 19,300 | | | | 165 |
| 170 | | | | | | | | | | 25.3 | 206.5 | 25,400 | 36.0 | 223.0 | 21,800 | 44.2 | 231.7 | 18,300 | | | | 170 |
| 175 | | | | | | | | | | 19.3 | 193.9 | 24,200 | 32.0 | 215.5 | 20,800 | 40.9 | 226.2 | 17,400 | | | | 175 |
| 180 | | | | | | | | | | 10.4 | 174.3 | 22,900 | 27.5 | 206.5 | 19,700 | 37.4 | 219.9 | 16,500 | 45.0 | 226.5 | 13,300 | 180 |
| 185 | | | | | | | | | | | | | 22.2 | 195.4 | 18,700 | 33.5 | 212.7 | 15,600 | 41.7 | 221.1 | 12,500 | 185 |
| 190 | | | | | | | | | | | | | 15.0 | 180.1 | 17,800 | 29.2 | 204.3 | 14,800 | 38.3 | 215.0 | 11,800 | 190 |
| 195 | | | | | | | | | | | | | | | | 24.2 | 194.2 | 14,000 | 34.5 | 208.1 | 11,100 | 195 |
| 200 | | | | | | | | | | | | | | | | 17.9 | 180.8 | 13,200 | 30.3 | 200.0 | 10,500 | 200 |
| 205 | | | | | | | | | | | | | | | | 7.3 | 157.3 | 12,400 | 25.5 | 190.4 | 9,800 | 205 |
| 210 | | | | | | | | | | | | | | | | | | | 19.6 | 178.0 | 9,200 | 210 |
| 215 | | | | | | | | | | | | | | | | | | | 11.0 | 159.0 | 8,600 | 215 |

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

DESIGNED AND TESTED
WITH THE INTENT TO BE
THE SCOPE OF ANSI B30.5

M-250 SERIES 2

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING**

145 FT. BOOM, 140 FT. JIB

| JIB OPER. RAD. FEET | 88 DEGREE BOOM ANGLE | | | 83 DEGREE BOOM ANGLE | | | 80 DEGREE BOOM ANGLE | | | 75 DEGREE BOOM ANGLE | | | 70 DEGREE BOOM ANGLE | | | 65 DEGREE BOOM ANGLE | | | 60 DEGREE BOOM ANGLE | | | JIB OPER. RAD. FEET |
|------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|------------------------------|
| | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | |
| 55 | 75.5 | 293.9 | 91,800* | | | | | | | | | | | | | | | | | | | 55 |
| 60 | 73.4 | 292.5 | 87,600* | | | | | | | | | | | | | | | | | | | 60 |
| 65 | 71.3 | 290.8 | 83,700* | | | | | | | | | | | | | | | | | | | 65 |
| 70 | 69.1 | 289.0 | 79,900* | | | | | | | | | | | | | | | | | | | 70 |
| 75 | 66.9 | 286.9 | 76,400* | | | | | | | | | | | | | | | | | | | 75 |
| 80 | 64.6 | 284.6 | 73,200* | 70.3 | 288.4 | 81,500* | | | | | | | | | | | | | | | | 80 |
| 85 | 62.3 | 282.0 | 70,100* | 68.1 | 286.5 | 78,200* | | | | | | | | | | | | | | | | 85 |
| 90 | 60.0 | 279.2 | 67,300* | 65.9 | 284.3 | 75,000* | | | | | | | | | | | | | | | | 90 |
| 95 | 57.5 | 276.1 | 64,600* | 63.6 | 281.9 | 70,200 | 67.1 | 284.0 | 65,800 | | | | | | | | | | | | | 95 |
| 100 | 55.1 | 272.7 | 59,800* | 61.3 | 279.2 | 65,500 | 64.9 | 281.7 | 61,400 | | | | | | | | | | | | | 100 |
| 105 | 52.5 | 269.0 | 55,500* | 59.0 | 276.3 | 61,300 | 62.6 | 279.2 | 57,500 | | | | | | | | | | | | | 105 |
| 110 | 49.9 | 264.9 | 51,700* | 56.5 | 273.1 | 57,600 | 60.2 | 276.4 | 53,900 | | | | | | | | | | | | | 110 |
| 115 | 47.1 | 260.4 | 48,300* | 54.0 | 269.6 | 54,200 | 57.8 | 273.3 | 50,700 | | | | | | | | | | | | | 115 |
| 120 | 44.2 | 255.4 | 45,300* | 51.4 | 265.7 | 51,100 | 55.4 | 270.0 | 47,800 | 61.4 | 274.4 | 42,200 | | | | | | | | | | 120 |
| 125 | 41.2 | 249.9 | 42,300* | 48.7 | 261.4 | 48,300 | 52.8 | 266.3 | 45,100 | 59.1 | 271.5 | 39,800 | | | | | | | | | | 125 |
| 130 | 37.9 | 243.7 | 39,300* | 45.9 | 256.7 | 45,700 | 50.2 | 262.2 | 42,700 | 56.6 | 268.3 | 37,600 | | | | | | | | | | 130 |
| 135 | 34.4 | 236.7 | 36,500* | 43.0 | 251.5 | 43,300 | 47.4 | 257.7 | 40,400 | 54.1 | 264.8 | 35,600 | | | | | | | | | | 135 |
| 140 | 30.6 | 228.7 | 34,000* | 39.8 | 245.7 | 41,100 | 44.6 | 252.8 | 38,300 | 51.5 | 260.9 | 33,700 | 57.7 | 265.3 | 29,100 | | | | | | | 140 |
| 145 | 26.2 | 219.2 | 31,700* | 36.5 | 239.3 | 39,000* | 41.5 | 247.4 | 36,400 | 48.9 | 256.7 | 31,900 | 55.2 | 261.9 | 27,500 | | | | | | | 145 |
| 150 | 20.9 | 207.5 | 29,600* | 32.9 | 231.9 | 36,800* | 38.3 | 241.3 | 34,600 | 46.1 | 252.0 | 30,300 | 52.7 | 258.2 | 26,100 | | | | | | | 150 |
| 155 | 13.9 | 191.0 | 27,800* | 28.8 | 223.3 | 34,800* | 34.8 | 234.4 | 32,900 | 43.1 | 246.8 | 28,800 | 50.1 | 254.1 | 24,700 | | | | | | | 155 |
| 160 | | | | 24.1 | 213.0 | 32,900* | 31.0 | 226.5 | 31,300 | 40.0 | 241.1 | 27,400 | 47.3 | 249.6 | 23,400 | | | | | | | 160 |
| 165 | | | | 18.3 | 199.8 | 31,100* | 26.7 | 217.3 | 29,900 | 36.6 | 234.6 | 26,000 | 44.4 | 244.7 | 22,200 | 51.0 | 250.0 | 18,500 | | | | 165 |
| 170 | | | | 9.5 | 178.8 | 29,500* | 21.6 | 205.8 | 28,400 | 33.0 | 227.3 | 24,800 | 41.4 | 239.2 | 21,100 | 48.3 | 245.7 | 17,500 | | | | 170 |
| 175 | | | | | | | 14.9 | 190.2 | 27,100 | 29.0 | 218.8 | 23,600 | 38.2 | 233.1 | 20,100 | 45.5 | 240.9 | 16,600 | | | | 175 |
| 180 | | | | | | | | | | 24.3 | 208.6 | 22,400 | 34.7 | 226.2 | 19,000 | 42.5 | 235.7 | 15,700 | | | | 180 |
| 185 | | | | | | | | | | 18.6 | 195.5 | 21,400 | 30.8 | 218.2 | 18,100 | 39.3 | 229.8 | 14,900 | 46.2 | 235.6 | 11,700 | 185 |
| 190 | | | | | | | | | | 10.0 | 175.2 | 20,300 | 26.5 | 208.9 | 17,200 | 35.9 | 223.2 | 14,100 | 43.2 | 230.5 | 11,000 | 190 |
| 195 | | | | | | | | | | | | | 21.3 | 197.3 | 16,300 | 32.2 | 215.6 | 13,300 | 40.1 | 224.8 | 10,300 | 195 |
| 200 | | | | | | | | | | | | | 14.5 | 181.3 | 15,400 | 28.1 | 206.8 | 12,600 | 36.8 | 218.3 | 9,700 | 200 |
| 205 | | | | | | | | | | | | | | | | 23.3 | 196.2 | 11,800 | 33.2 | 211.1 | 9,100 | 205 |
| 210 | | | | | | | | | | | | | | | | 17.2 | 182.3 | 11,200 | 29.2 | 202.6 | 8,500 | 210 |
| 215 | | | | | | | | | | | | | | | | 7.0 | 157.9 | 10,400 | 24.6 | 192.5 | 7,900 | 215 |
| 220 | | | | | | | | | | | | | | | | | | | 18.9 | 179.6 | 7,400 | 220 |
| 225 | | | | | | | | | | | | | | | | | | | 10.6 | 159.9 | 6,800 | 225 |

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

DESIGNED AND TESTED
WITH THE INTENT TO BE
THE SCOPE OF ANSI B30.5

M-250 SERIES 2

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING**

145 FT. BOOM, 150 FT. JIB

| JIB OPER. RAD. FEET | 88 DEGREE BOOM ANGLE | | | 83 DEGREE BOOM ANGLE | | | 80 DEGREE BOOM ANGLE | | | 75 DEGREE BOOM ANGLE | | | 70 DEGREE BOOM ANGLE | | | 65 DEGREE BOOM ANGLE | | | 60 DEGREE BOOM ANGLE | | | JIB OPER. RAD. FEET |
|------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|------------------------------|
| | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | |
| 60 | 74.5 | 302.9 | 83,900* | | | | | | | | | | | | | | | | | | | 60 |
| 65 | 72.5 | 301.4 | 80,300* | | | | | | | | | | | | | | | | | | | 65 |
| 70 | 70.5 | 299.7 | 76,900* | | | | | | | | | | | | | | | | | | | 70 |
| 75 | 68.5 | 297.7 | 73,600* | | | | | | | | | | | | | | | | | | | 75 |
| 80 | 66.4 | 295.6 | 70,600* | | | | | | | | | | | | | | | | | | | 80 |
| 85 | 64.3 | 293.3 | 67,800* | 69.7 | 297.2 | 75,100* | | | | | | | | | | | | | | | | 85 |
| 90 | 62.1 | 290.7 | 65,100* | 67.6 | 295.2 | 72,200* | | | | | | | | | | | | | | | | 90 |
| 95 | 60.0 | 287.9 | 62,600* | 65.5 | 293.0 | 69,400* | | | | | | | | | | | | | | | | 95 |
| 100 | 57.7 | 284.8 | 60,200* | 63.4 | 290.6 | 64,900 | 66.6 | 292.7 | 60,700 | | | | | | | | | | | | | 100 |
| 105 | 55.4 | 281.4 | 56,500* | 61.2 | 287.9 | 60,700 | 64.5 | 290.4 | 56,800 | | | | | | | | | | | | | 105 |
| 110 | 53.0 | 277.7 | 52,500* | 59.0 | 285.0 | 57,000 | 62.4 | 287.8 | 53,200 | | | | | | | | | | | | | 110 |
| 115 | 50.6 | 273.7 | 49,000* | 56.8 | 281.8 | 53,600 | 60.2 | 285.0 | 50,000 | | | | | | | | | | | | | 115 |
| 120 | 48.1 | 269.4 | 45,900* | 54.4 | 278.3 | 50,500 | 58.0 | 282.0 | 47,100 | | | | | | | | | | | | | 120 |
| 125 | 45.4 | 264.6 | 42,800* | 52.0 | 274.5 | 47,700 | 55.7 | 278.7 | 44,500 | 61.3 | 283.1 | 39,100 | | | | | | | | | | 125 |
| 130 | 42.6 | 259.3 | 39,800* | 49.5 | 270.3 | 45,100 | 53.3 | 275.0 | 42,000 | 59.1 | 280.2 | 36,900 | | | | | | | | | | 130 |
| 135 | 39.7 | 253.5 | 37,100* | 47.0 | 265.8 | 42,800 | 50.9 | 271.1 | 39,800 | 56.9 | 277.0 | 34,900 | | | | | | | | | | 135 |
| 140 | 36.6 | 247.0 | 34,600* | 44.3 | 260.8 | 40,600 | 48.4 | 266.7 | 37,700 | 54.5 | 273.5 | 33,000 | | | | | | | | | | 140 |
| 145 | 33.2 | 239.7 | 32,300* | 41.4 | 255.3 | 38,500 | 45.7 | 262.0 | 35,800 | 52.1 | 269.7 | 31,300 | 57.9 | 273.9 | 26,800 | | | | | | | 145 |
| 150 | 29.5 | 231.3 | 30,200* | 38.4 | 249.2 | 36,600 | 43.0 | 256.8 | 34,000 | 49.7 | 265.6 | 29,700 | 55.6 | 270.6 | 25,400 | | | | | | | 150 |
| 155 | 25.2 | 221.5 | 28,200* | 35.2 | 242.4 | 34,900 | 40.1 | 251.0 | 32,300 | 47.1 | 261.1 | 28,200 | 53.2 | 266.9 | 24,000 | | | | | | | 155 |
| 160 | 20.2 | 209.2 | 26,500* | 31.7 | 234.7 | 33,200* | 36.9 | 244.6 | 30,800 | 44.4 | 256.1 | 26,700 | 50.8 | 263.0 | 22,800 | | | | | | | 160 |
| 165 | 13.4 | 192.1 | 25,000* | 27.8 | 225.8 | 31,500* | 33.6 | 237.4 | 29,300 | 41.6 | 250.6 | 25,400 | 48.2 | 258.6 | 21,600 | | | | | | | 165 |
| 170 | | | | 23.3 | 215.1 | 29,800* | 29.9 | 229.2 | 27,900 | 38.6 | 244.6 | 24,200 | 45.6 | 253.9 | 20,500 | 51.6 | 258.9 | 16,800 | | | | 170 |
| 175 | | | | 17.7 | 201.3 | 28,300* | 25.8 | 219.5 | 26,600 | 35.3 | 237.8 | 23,000 | 42.8 | 248.6 | 19,400 | 49.1 | 254.7 | 15,900 | | | | 175 |
| 180 | | | | 9.1 | 179.5 | 25,900* | 20.8 | 207.7 | 25,400 | 31.9 | 230.2 | 21,900 | 39.9 | 242.8 | 18,400 | 46.5 | 250.0 | 15,000 | | | | 180 |
| 185 | | | | | | | 14.3 | 191.4 | 24,200 | 28.0 | 221.3 | 20,800 | 36.8 | 236.4 | 17,500 | 43.8 | 245.0 | 14,200 | | | | 185 |
| 190 | | | | | | | | | | 23.5 | 210.7 | 19,800 | 33.4 | 229.2 | 16,600 | 41.0 | 239.4 | 13,400 | 47.2 | 244.7 | 10,300 | 190 |
| 195 | | | | | | | | | | 18.0 | 197.1 | 18,900 | 29.7 | 220.9 | 15,700 | 37.9 | 233.2 | 12,700 | 44.5 | 239.7 | 9,700 | 195 |
| 200 | | | | | | | | | | 9.7 | 176.0 | 17,900 | 25.6 | 211.1 | 14,900 | 34.7 | 226.3 | 11,900 | 41.7 | 234.3 | 9,000 | 200 |
| 205 | | | | | | | | | | | | | 20.6 | 199.1 | 14,100 | 31.1 | 218.4 | 11,300 | 38.7 | 228.3 | 8,400 | 205 |
| 210 | | | | | | | | | | | | | 14.0 | 182.5 | 13,400 | 27.1 | 209.3 | 10,600 | 35.5 | 221.6 | 7,900 | 210 |
| 215 | | | | | | | | | | | | | | | | 22.5 | 198.2 | 10,000 | 32.0 | 213.9 | 7,300 | 215 |
| 220 | | | | | | | | | | | | | | | | 16.6 | 183.7 | 9,300 | 28.2 | 205.1 | 6,800 | 220 |
| 225 | | | | | | | | | | | | | | | | 6.8 | 158.4 | 8,700 | 23.7 | 194.6 | 6,300 | 225 |
| 230 | | | | | | | | | | | | | | | | | | | 18.2 | 181.2 | 5,800 | 230 |
| 235 | | | | | | | | | | | | | | | | | | | 10.2 | 160.7 | 5,200 | 235 |

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

DESIGNED AND TESTED
WITH THE INTENT TO BE
THE SCOPE OF ANSI B30.5

M-250 SERIES 2

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING**

145 FT. BOOM, 160 FT. JIB

| JIB OPER. RAD. FEET | 88 DEGREE BOOM ANGLE | | | 83 DEGREE BOOM ANGLE | | | 80 DEGREE BOOM ANGLE | | | 75 DEGREE BOOM ANGLE | | | 70 DEGREE BOOM ANGLE | | | 65 DEGREE BOOM ANGLE | | | 60 DEGREE BOOM ANGLE | | | JIB OPER. RAD. FEET |
|------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|------------------------------|
| | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | |
| 60 | 75.5 | 313.3 | 79,200* | | | | | | | | | | | | | | | | | | | 60 |
| 65 | 73.7 | 311.9 | 76,300* | | | | | | | | | | | | | | | | | | | 65 |
| 70 | 71.8 | 310.3 | 74,300* | | | | | | | | | | | | | | | | | | | 70 |
| 75 | 69.9 | 308.5 | 71,400* | | | | | | | | | | | | | | | | | | | 75 |
| 80 | 68.0 | 306.5 | 68,500* | | | | | | | | | | | | | | | | | | | 80 |
| 85 | 66.0 | 304.3 | 65,800* | 71.0 | 307.9 | 72,700* | | | | | | | | | | | | | | | | 85 |
| 90 | 64.0 | 301.9 | 63,300* | 69.1 | 306.0 | 69,900* | | | | | | | | | | | | | | | | 90 |
| 95 | 62.0 | 299.4 | 60,900* | 67.2 | 304.0 | 67,300* | | | | | | | | | | | | | | | | 95 |
| 100 | 60.0 | 296.5 | 58,600* | 65.2 | 301.7 | 64,200 | | | | | | | | | | | | | | | | 100 |
| 105 | 57.9 | 293.5 | 55,900* | 63.2 | 299.3 | 60,100 | 66.2 | 301.4 | 56,100 | | | | | | | | | | | | | 105 |
| 110 | 55.7 | 290.1 | 52,000* | 61.2 | 296.6 | 56,300 | 64.3 | 299.1 | 52,500 | | | | | | | | | | | | | 110 |
| 115 | 53.5 | 286.5 | 48,500* | 59.1 | 293.6 | 53,000 | 62.2 | 296.5 | 49,300 | | | | | | | | | | | | | 115 |
| 120 | 51.2 | 282.6 | 45,400* | 57.0 | 290.5 | 49,900 | 60.2 | 293.7 | 46,400 | | | | | | | | | | | | | 120 |
| 125 | 48.9 | 278.3 | 42,500* | 54.8 | 287.0 | 47,100 | 58.1 | 290.7 | 43,800 | | | | | | | | | | | | | 125 |
| 130 | 46.4 | 273.7 | 39,900* | 52.6 | 283.3 | 44,500 | 56.0 | 287.4 | 41,400 | 61.2 | 291.7 | 36,200 | | | | | | | | | | 130 |
| 135 | 43.9 | 268.6 | 37,200* | 50.2 | 279.2 | 42,100 | 53.8 | 283.8 | 39,100 | 59.2 | 288.8 | 34,100 | | | | | | | | | | 135 |
| 140 | 41.2 | 263.1 | 34,800* | 47.9 | 274.8 | 40,000 | 51.5 | 279.9 | 37,100 | 57.1 | 285.7 | 32,300 | | | | | | | | | | 140 |
| 145 | 38.4 | 257.0 | 32,500* | 45.4 | 270.0 | 37,900 | 49.1 | 275.7 | 35,200 | 54.9 | 282.2 | 30,500 | | | | | | | | | | 145 |
| 150 | 35.4 | 250.2 | 30,400* | 42.8 | 264.8 | 36,100 | 46.7 | 271.1 | 33,400 | 52.7 | 278.5 | 28,900 | 58.0 | 282.6 | 24,600 | | | | | | | 150 |
| 155 | 32.1 | 242.6 | 28,500* | 40.0 | 259.0 | 34,300 | 44.2 | 266.1 | 31,700 | 50.3 | 274.5 | 27,400 | 55.9 | 279.3 | 23,200 | | | | | | | 155 |
| 160 | 28.5 | 233.9 | 26,700* | 37.1 | 252.6 | 32,700* | 41.5 | 260.6 | 30,200 | 48.0 | 270.1 | 26,000 | 53.6 | 275.7 | 22,000 | | | | | | | 160 |
| 165 | 24.4 | 223.6 | 25,100* | 34.0 | 245.5 | 30,900* | 38.7 | 254.6 | 28,700 | 45.5 | 265.3 | 24,700 | 51.4 | 271.8 | 20,800 | | | | | | | 165 |
| 170 | 19.5 | 211.0 | 23,600* | 30.6 | 237.5 | 29,300* | 35.7 | 247.9 | 27,400 | 42.9 | 260.1 | 23,500 | 49.0 | 267.6 | 19,700 | | | | | | | 170 |
| 175 | 12.9 | 193.3 | 22,300* | 26.9 | 228.2 | 27,800* | 32.5 | 240.4 | 26,100 | 40.2 | 254.3 | 22,300 | 46.6 | 263.0 | 18,700 | 52.2 | 267.7 | 15,100 | | | | 175 |
| 180 | | | | 22.5 | 217.1 | 26,300* | 28.9 | 231.8 | 24,800 | 37.3 | 248.0 | 21,200 | 44.1 | 257.9 | 17,700 | 49.9 | 263.6 | 14,200 | | | | 180 |
| 185 | | | | 17.1 | 202.8 | 25,000* | 24.9 | 221.7 | 23,700 | 34.2 | 240.9 | 20,200 | 41.4 | 252.4 | 16,800 | 47.5 | 259.1 | 13,400 | | | | 185 |
| 190 | | | | 8.8 | 180.3 | 23,000* | 20.2 | 209.4 | 22,600 | 30.8 | 232.9 | 19,200 | 38.6 | 246.4 | 15,900 | 45.0 | 254.2 | 12,600 | | | | 190 |
| 195 | | | | | | | 13.9 | 192.6 | 21,500 | 27.0 | 223.7 | 18,300 | 35.6 | 239.6 | 15,100 | 42.4 | 248.9 | 11,900 | | | | 195 |
| 200 | | | | | | | | | | 22.7 | 212.7 | 17,400 | 32.3 | 232.1 | 14,300 | 39.6 | 243.0 | 11,200 | 45.6 | 248.9 | 8,200 | 200 |
| 205 | | | | | | | | | | 17.4 | 198.6 | 16,500 | 28.8 | 223.4 | 13,500 | 36.7 | 236.6 | 10,500 | 43.0 | 243.7 | 7,600 | 205 |
| 210 | | | | | | | | | | 9.3 | 176.8 | 15,600 | 24.7 | 213.3 | 12,800 | 33.5 | 229.3 | 9,900 | 40.3 | 238.0 | 7,100 | 210 |
| 215 | | | | | | | | | | | | | 19.9 | 200.9 | 12,100 | 30.1 | 221.1 | 9,300 | 37.4 | 231.7 | 6,500 | 215 |
| 220 | | | | | | | | | | | | | 13.5 | 183.7 | 11,400 | 26.2 | 211.6 | 8,700 | 34.3 | 224.7 | 6,000 | 220 |
| 225 | | | | | | | | | | | | | | | | 21.7 | 200.1 | 8,100 | 31.0 | 216.7 | 5,500 | 225 |
| 230 | | | | | | | | | | | | | | | | 16.1 | 185.1 | 7,500 | 27.2 | 207.5 | 5,100 | 230 |
| 235 | | | | | | | | | | | | | | | | 6.5 | 159.0 | 6,900 | 22.9 | 196.6 | 4,600 | 235 |
| 240 | | | | | | | | | | | | | | | | | | | 17.6 | 182.8 | 4,100 | 240 |

MANITOWOC ENGINEERING CO.

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LIFTCRANE LUFFING JIB CAPACITIES

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M-250 SERIES 2

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING**

145 FT. BOOM, 170 FT. JIB

| JIB OPER. RAD. FEET | 88 DEGREE BOOM ANGLE | | | 83 DEGREE BOOM ANGLE | | | 80 DEGREE BOOM ANGLE | | | 75 DEGREE BOOM ANGLE | | | 70 DEGREE BOOM ANGLE | | | 65 DEGREE BOOM ANGLE | | | 60 DEGREE BOOM ANGLE | | | JIB OPER. RAD. FEET |
|---------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|---------------------|
| | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | |
| 65 | 74.7 | 322.3 | 72,000* | | | | | | | | | | | | | | | | | | | 65 |
| 70 | 72.9 | 320.8 | 69,700* | | | | | | | | | | | | | | | | | | | 70 |
| 75 | 71.1 | 319.1 | 67,500* | | | | | | | | | | | | | | | | | | | 75 |
| 80 | 69.3 | 317.3 | 66,600* | | | | | | | | | | | | | | | | | | | 80 |
| 85 | 67.5 | 315.2 | 64,000* | | | | | | | | | | | | | | | | | | | 85 |
| 90 | 65.7 | 313.0 | 61,700* | 70.4 | 316.7 | 66,500* | | | | | | | | | | | | | | | | 90 |
| 95 | 63.8 | 310.6 | 59,400* | 68.6 | 314.8 | 64,300* | | | | | | | | | | | | | | | | 95 |
| 100 | 61.9 | 308.0 | 57,200* | 66.7 | 312.7 | 63,100* | | | | | | | | | | | | | | | | 100 |
| 105 | 60.0 | 305.2 | 54,600* | 64.9 | 310.4 | 59,700 | 67.7 | 312.3 | 55,700 | | | | | | | | | | | | | 105 |
| 110 | 58.0 | 302.1 | 51,400* | 63.0 | 307.9 | 56,000 | 65.9 | 310.1 | 52,100 | | | | | | | | | | | | | 110 |
| 115 | 56.0 | 298.8 | 48,200* | 61.1 | 305.2 | 52,600 | 64.0 | 307.8 | 49,000 | | | | | | | | | | | | | 115 |
| 120 | 53.9 | 295.3 | 45,100* | 59.1 | 302.3 | 49,500 | 62.1 | 305.2 | 46,100 | | | | | | | | | | | | | 120 |
| 125 | 51.8 | 291.4 | 42,200* | 57.1 | 299.1 | 46,700 | 60.2 | 302.4 | 43,400 | | | | | | | | | | | | | 125 |
| 130 | 49.6 | 287.2 | 39,700* | 55.1 | 295.7 | 44,200 | 58.2 | 299.3 | 41,000 | | | | | | | | | | | | | 130 |
| 135 | 47.3 | 282.7 | 37,300* | 53.0 | 292.0 | 41,800 | 56.2 | 296.1 | 38,800 | 61.2 | 300.4 | 33,800 | | | | | | | | | | 135 |
| 140 | 45.0 | 277.9 | 34,900* | 50.9 | 288.1 | 39,600 | 54.1 | 292.5 | 36,700 | 59.2 | 297.5 | 31,900 | | | | | | | | | | 140 |
| 145 | 42.5 | 272.6 | 32,700* | 48.6 | 283.8 | 37,600 | 52.0 | 288.7 | 34,800 | 57.2 | 294.3 | 30,200 | | | | | | | | | | 145 |
| 150 | 39.9 | 266.8 | 30,700* | 46.3 | 279.1 | 35,700 | 49.8 | 284.6 | 33,000 | 55.2 | 290.9 | 28,600 | | | | | | | | | | 150 |
| 155 | 37.2 | 260.4 | 28,800* | 43.9 | 274.1 | 34,000 | 47.6 | 280.1 | 31,400 | 53.1 | 287.3 | 27,100 | | | | | | | | | | 155 |
| 160 | 34.3 | 253.3 | 27,000* | 41.4 | 268.6 | 32,400* | 45.2 | 275.3 | 29,800 | 51.0 | 283.3 | 25,700 | 56.1 | 288.0 | 21,600 | | | | | | | 160 |
| 165 | 31.1 | 245.4 | 25,400* | 38.8 | 262.5 | 30,600* | 42.8 | 270.0 | 28,400 | 48.7 | 279.0 | 24,400 | 54.0 | 284.4 | 20,500 | | | | | | | 165 |
| 170 | 27.6 | 236.3 | 23,900* | 36.0 | 255.9 | 29,000* | 40.2 | 264.3 | 27,000 | 46.4 | 274.4 | 23,200 | 51.9 | 280.6 | 19,400 | | | | | | | 170 |
| 175 | 23.7 | 225.7 | 22,500* | 33.0 | 248.5 | 27,500* | 37.5 | 258.0 | 25,800 | 44.0 | 269.4 | 22,000 | 49.7 | 276.5 | 18,300 | | | | | | | 175 |
| 180 | 18.9 | 212.6 | 21,200* | 29.7 | 240.1 | 26,100* | 34.6 | 251.0 | 24,600 | 41.5 | 263.9 | 20,900 | 47.5 | 272.0 | 17,400 | 52.7 | 276.4 | 13,900 | | | | 180 |
| 185 | 12.5 | 194.3 | 20,100* | 26.0 | 230.5 | 24,700* | 31.5 | 243.2 | 23,400 | 38.9 | 257.9 | 19,900 | 45.1 | 267.1 | 16,400 | 50.5 | 272.4 | 13,100 | | | | 185 |
| 190 | | | | 21.8 | 219.0 | 23,500* | 28.0 | 234.3 | 22,300 | 36.1 | 251.2 | 18,900 | 42.7 | 261.9 | 15,600 | 48.3 | 268.1 | 12,300 | | | | 190 |
| 195 | | | | 16.6 | 204.3 | 22,300* | 24.1 | 223.9 | 21,300 | 33.1 | 243.9 | 18,000 | 40.1 | 256.1 | 14,700 | 46.0 | 263.4 | 11,600 | | | | 195 |
| 200 | | | | 8.5 | 181.0 | 20,500* | 19.5 | 211.1 | 20,300 | 29.8 | 235.6 | 17,100 | 37.4 | 249.8 | 14,000 | 43.5 | 258.2 | 10,900 | | | | 200 |
| 205 | | | | | | | 13.4 | 193.7 | 19,300 | 26.2 | 226.0 | 16,300 | 34.5 | 242.7 | 13,200 | 41.0 | 252.6 | 10,200 | 46.5 | 258.0 | 7,300 | 205 |
| 210 | | | | | | | | | | 22.0 | 214.6 | 15,500 | 31.3 | 234.9 | 12,500 | 38.4 | 246.5 | 9,600 | 44.2 | 253.0 | 6,700 | 210 |
| 215 | | | | | | | | | | 16.8 | 200.1 | 14,700 | 27.9 | 225.9 | 11,800 | 35.5 | 239.8 | 9,000 | 41.7 | 247.5 | 6,200 | 215 |
| 220 | | | | | | | | | | 9.0 | 177.5 | 13,900 | 24.0 | 215.4 | 11,100 | 32.5 | 232.2 | 8,400 | 39.0 | 241.6 | 5,700 | 220 |
| 225 | | | | | | | | | | | | | 19.3 | 202.5 | 10,500 | 29.1 | 223.7 | 7,800 | 36.2 | 235.0 | 5,200 | 225 |
| 230 | | | | | | | | | | | | | 13.1 | 184.8 | 9,900 | 25.4 | 213.8 | 7,300 | 33.3 | 227.6 | 4,800 | 230 |
| 235 | | | | | | | | | | | | | | | | 21.1 | 201.9 | 6,800 | 30.0 | 219.4 | 4,300 | 235 |
| 240 | | | | | | | | | | | | | | | | 15.6 | 186.4 | 6,200 | | | | 240 |
| 245 | | | | | | | | | | | | | | | | 6.3 | 159.5 | 5,700 | | | | 245 |

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M-250 SERIES 2

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FOLD UNDER LUFFING JIB NO. 133A ON
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207,000 LB. CRANE COUNTERWEIGHT
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360 DEGREE RATING**

145 FT. BOOM, 180 FT. JIB

| JIB OPER. RAD. FEET | 88 DEGREE BOOM ANGLE | | | 83 DEGREE BOOM ANGLE | | | 80 DEGREE BOOM ANGLE | | | 75 DEGREE BOOM ANGLE | | | 70 DEGREE BOOM ANGLE | | | 65 DEGREE BOOM ANGLE | | | 60 DEGREE BOOM ANGLE | | | JIB OPER. RAD. FEET |
|---------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|---------------------|
| | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | |
| 65 | 75.5 | 332.6 | 66,800* | | | | | | | | | | | | | | | | | | | 65 |
| 70 | 73.9 | 331.2 | 66,000* | | | | | | | | | | | | | | | | | | | 70 |
| 75 | 72.2 | 329.7 | 64,300* | | | | | | | | | | | | | | | | | | | 75 |
| 80 | 70.5 | 327.9 | 57,600* | | | | | | | | | | | | | | | | | | | 80 |
| 85 | 68.8 | 326.0 | 61,200* | | | | | | | | | | | | | | | | | | | 85 |
| 90 | 67.1 | 324.0 | 59,700* | | | | | | | | | | | | | | | | | | | 90 |
| 95 | 65.4 | 321.7 | 57,600* | 69.8 | 325.5 | 60,500* | | | | | | | | | | | | | | | | 95 |
| 100 | 63.6 | 319.3 | 55,300* | 68.1 | 323.6 | 59,000* | | | | | | | | | | | | | | | | 100 |
| 105 | 61.8 | 316.7 | 52,700* | 66.4 | 321.4 | 57,400* | | | | | | | | | | | | | | | | 105 |
| 110 | 60.0 | 313.8 | 49,900* | 64.6 | 319.1 | 55,300 | 67.3 | 321.1 | 51,400 | | | | | | | | | | | | | 110 |
| 115 | 58.1 | 310.8 | 47,200* | 62.8 | 316.6 | 51,900 | 65.6 | 318.8 | 48,300 | | | | | | | | | | | | | 115 |
| 120 | 56.2 | 307.5 | 44,500* | 61.0 | 313.9 | 48,900 | 63.8 | 316.4 | 45,400 | | | | | | | | | | | | | 120 |
| 125 | 54.2 | 304.0 | 41,700* | 59.2 | 311.0 | 46,100 | 62.0 | 313.8 | 42,700 | | | | | | | | | | | | | 125 |
| 130 | 52.2 | 300.2 | 39,100* | 57.3 | 307.8 | 43,500 | 60.2 | 311.0 | 40,300 | | | | | | | | | | | | | 130 |
| 135 | 50.2 | 296.1 | 36,800* | 55.4 | 304.4 | 41,200 | 58.3 | 308.0 | 38,100 | 62.9 | 311.8 | 33,000 | | | | | | | | | | 135 |
| 140 | 48.1 | 291.7 | 34,600* | 53.4 | 300.8 | 39,000 | 56.4 | 304.7 | 36,000 | 61.1 | 309.1 | 31,200 | | | | | | | | | | 140 |
| 145 | 45.9 | 287.0 | 32,600* | 51.4 | 296.9 | 37,000 | 54.5 | 301.2 | 34,200 | 59.3 | 306.2 | 29,400 | | | | | | | | | | 145 |
| 150 | 43.6 | 281.9 | 30,700* | 49.3 | 292.7 | 35,100 | 52.5 | 297.5 | 32,400 | 57.4 | 303.0 | 27,900 | | | | | | | | | | 150 |
| 155 | 41.2 | 276.3 | 28,900* | 47.2 | 288.2 | 33,400 | 50.4 | 293.4 | 30,700 | 55.5 | 299.7 | 26,400 | | | | | | | | | | 155 |
| 160 | 38.7 | 270.3 | 27,200* | 44.9 | 283.3 | 31,800 | 48.3 | 289.1 | 29,200 | 53.5 | 296.0 | 25,000 | | | | | | | | | | 160 |
| 165 | 36.1 | 263.6 | 25,600* | 42.6 | 278.0 | 30,100* | 46.1 | 284.4 | 27,800 | 51.5 | 292.1 | 23,700 | 56.3 | 296.7 | 19,700 | | | | | | | 165 |
| 170 | 33.3 | 256.3 | 24,100* | 40.2 | 272.2 | 28,500* | 43.9 | 279.3 | 26,400 | 49.4 | 287.9 | 22,500 | 54.4 | 293.2 | 18,600 | | | | | | | 170 |
| 175 | 30.2 | 248.1 | 22,700* | 37.6 | 266.0 | 26,900* | 41.5 | 273.8 | 25,200 | 47.3 | 283.4 | 21,300 | 52.4 | 289.4 | 17,600 | | | | | | | 175 |
| 180 | 26.8 | 238.7 | 21,400* | 34.9 | 259.0 | 25,500* | 39.0 | 267.8 | 24,000 | 45.0 | 278.6 | 20,300 | 50.3 | 285.3 | 16,600 | | | | | | | 180 |
| 185 | 23.0 | 227.7 | 20,200* | 32.0 | 251.4 | 24,200* | 36.4 | 261.3 | 22,800 | 42.7 | 273.3 | 19,200 | 48.2 | 281.0 | 15,700 | | | | | | | 185 |
| 190 | 18.4 | 214.2 | 19,100* | 28.8 | 242.7 | 23,000* | 33.6 | 254.0 | 21,800 | 40.3 | 267.6 | 18,300 | 46.0 | 276.3 | 14,800 | 51.1 | 281.3 | 11,500 | | | | 190 |
| 195 | 12.2 | 195.4 | 18,100* | 25.3 | 232.7 | 21,800* | 30.6 | 245.9 | 20,700 | 37.8 | 261.3 | 17,400 | 43.8 | 271.2 | 14,000 | 49.0 | 277.0 | 10,800 | | | | 195 |
| 200 | | | | 21.2 | 220.9 | 20,700* | 27.2 | 236.7 | 19,800 | 35.1 | 254.4 | 16,500 | 41.4 | 265.7 | 13,200 | 46.8 | 272.4 | 10,100 | | | | 200 |
| 205 | | | | 16.1 | 205.7 | 19,600* | 23.4 | 225.9 | 18,800 | 32.1 | 246.8 | 15,700 | 38.9 | 259.6 | 12,500 | 44.6 | 267.5 | 9,400 | | | | 205 |
| 210 | | | | 8.3 | 181.7 | 18,000* | 19.0 | 212.8 | 17,900 | 29.0 | 238.2 | 14,900 | 36.3 | 253.0 | 11,800 | 42.2 | 262.1 | 8,800 | 47.4 | 267.1 | 5,900 | 210 |
| 215 | | | | | | | 13.0 | 194.9 | 17,100 | 25.4 | 228.3 | 14,100 | 33.5 | 245.8 | 11,100 | 39.8 | 256.3 | 8,200 | 45.1 | 262.2 | 5,400 | 215 |
| 220 | | | | | | | | | | 21.4 | 216.5 | 13,400 | 30.4 | 237.6 | 10,500 | 37.2 | 249.9 | 7,700 | 42.8 | 256.9 | 4,900 | 220 |
| 225 | | | | | | | | | | 16.3 | 201.5 | 12,700 | 27.1 | 228.3 | 9,900 | 34.5 | 242.9 | 7,100 | 40.4 | 251.2 | 4,500 | 225 |
| 230 | | | | | | | | | | 8.8 | 178.3 | 11,900 | 23.3 | 217.5 | 9,300 | 31.5 | 235.1 | 6,600 | 37.9 | 245.0 | 4,000 | 230 |
| 235 | | | | | | | | | | | | | 18.7 | 204.2 | 8,700 | 28.3 | 226.2 | 6,100 | | | | 235 |
| 240 | | | | | | | | | | | | | 12.7 | 185.9 | 8,100 | 24.7 | 216.0 | 5,600 | | | | 240 |
| 245 | | | | | | | | | | | | | | | | 20.4 | 203.7 | 5,100 | | | | 245 |
| 250 | | | | | | | | | | | | | | | | 15.1 | 187.7 | 4,600 | | | | 250 |
| 255 | | | | | | | | | | | | | | | | 6.1 | 160.0 | 4,100 | | | | 255 |

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

DESIGNED AND TESTED
WITH THE INTENT TO BE
THE SCOPE OF ANSI B30.5

M-250 SERIES 2

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING**

145 FT. BOOM, 190 FT. JIB

| JIB OPER. RAD. FEET | 88 DEGREE BOOM ANGLE | | | 83 DEGREE BOOM ANGLE | | | 80 DEGREE BOOM ANGLE | | | 75 DEGREE BOOM ANGLE | | | 70 DEGREE BOOM ANGLE | | | 65 DEGREE BOOM ANGLE | | | JIB OPER. RAD. FEET |
|---------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|---------------------|
| | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | |
| 70 | 74.8 | 341.6 | 59,800* | | | | | | | | | | | | | | | | 70 |
| 75 | 73.2 | 340.2 | 59,200* | | | | | | | | | | | | | | | | 75 |
| 80 | 71.6 | 338.5 | 58,900* | | | | | | | | | | | | | | | | 80 |
| 85 | 70.0 | 336.8 | 58,100* | | | | | | | | | | | | | | | | 85 |
| 90 | 68.4 | 334.8 | 56,800* | | | | | | | | | | | | | | | | 90 |
| 95 | 66.7 | 332.7 | 55,000* | 70.9 | 336.2 | 57,300* | | | | | | | | | | | | | 95 |
| 100 | 65.1 | 330.4 | 52,700* | 69.3 | 334.3 | 56,200* | | | | | | | | | | | | | 100 |
| 105 | 63.4 | 328.0 | 50,400* | 67.7 | 332.3 | 55,000* | | | | | | | | | | | | | 105 |
| 110 | 61.7 | 325.3 | 48,100* | 66.0 | 330.1 | 53,900* | | | | | | | | | | | | | 110 |
| 115 | 60.0 | 322.5 | 45,800* | 64.4 | 327.8 | 51,400 | 66.9 | 329.8 | 47,600 | | | | | | | | | | 115 |
| 120 | 58.2 | 319.5 | 43,400* | 62.7 | 325.3 | 48,300 | 65.3 | 327.5 | 44,800 | | | | | | | | | | 120 |
| 125 | 56.4 | 316.2 | 41,100* | 61.0 | 322.5 | 45,500 | 63.6 | 325.1 | 42,100 | | | | | | | | | | 125 |
| 130 | 54.6 | 312.7 | 38,600* | 59.2 | 319.6 | 43,000 | 61.9 | 322.5 | 39,700 | | | | | | | | | | 130 |
| 135 | 52.7 | 309.0 | 36,300* | 57.5 | 316.5 | 40,600 | 60.2 | 319.7 | 37,500 | | | | | | | | | | 135 |
| 140 | 50.7 | 305.0 | 34,100* | 55.6 | 313.1 | 38,500 | 58.4 | 316.7 | 35,500 | 62.8 | 320.4 | 30,500 | | | | | | | 140 |
| 145 | 48.8 | 300.7 | 32,100* | 53.8 | 309.6 | 36,500 | 56.6 | 313.4 | 33,600 | 61.1 | 317.7 | 28,800 | | | | | | | 145 |
| 150 | 46.7 | 296.1 | 30,300* | 51.9 | 305.7 | 34,600 | 54.8 | 310.0 | 31,800 | 59.3 | 314.8 | 27,200 | | | | | | | 150 |
| 155 | 44.6 | 291.1 | 28,600* | 49.9 | 301.6 | 32,900 | 52.9 | 306.3 | 30,200 | 57.5 | 311.7 | 25,800 | | | | | | | 155 |
| 160 | 42.4 | 285.8 | 27,100* | 47.9 | 297.2 | 31,200 | 51.0 | 302.3 | 28,600 | 55.7 | 308.4 | 24,400 | | | | | | | 160 |
| 165 | 40.1 | 280.0 | 25,600* | 45.8 | 292.4 | 29,600* | 49.0 | 298.0 | 27,200 | 53.9 | 304.8 | 23,100 | | | | | | | 165 |
| 170 | 37.7 | 273.7 | 24,200* | 43.7 | 287.3 | 28,000* | 46.9 | 293.5 | 25,900 | 52.0 | 300.9 | 21,900 | 56.5 | 305.4 | 18,000 | | | | 170 |
| 175 | 35.1 | 266.8 | 22,900* | 41.4 | 281.8 | 26,500* | 44.8 | 288.6 | 24,600 | 50.0 | 296.8 | 20,700 | 54.7 | 301.9 | 16,900 | | | | 175 |
| 180 | 32.3 | 259.2 | 21,600* | 39.1 | 275.8 | 25,000* | 42.6 | 283.3 | 23,400 | 48.0 | 292.4 | 19,700 | 52.8 | 298.2 | 16,000 | | | | 180 |
| 185 | 29.4 | 250.7 | 20,400* | 36.6 | 269.3 | 23,700* | 40.3 | 277.5 | 22,300 | 45.9 | 287.7 | 18,700 | 50.9 | 294.2 | 15,100 | | | | 185 |
| 190 | 26.1 | 241.0 | 19,300* | 34.0 | 262.1 | 22,500* | 37.9 | 271.3 | 21,200 | 43.8 | 282.6 | 17,700 | 48.9 | 289.9 | 14,200 | | | | 190 |
| 195 | 22.3 | 229.7 | 18,300* | 31.1 | 254.1 | 21,300* | 35.4 | 264.5 | 20,200 | 41.5 | 277.1 | 16,800 | 46.9 | 285.3 | 13,400 | 51.6 | 290.1 | 10,100 | 195 |
| 200 | 17.9 | 215.8 | 17,300* | 28.0 | 245.2 | 20,200* | 32.7 | 257.0 | 19,300 | 39.2 | 271.1 | 15,900 | 44.7 | 280.4 | 12,700 | 49.6 | 285.9 | 9,500 | 200 |
| 205 | 11.8 | 196.4 | 16,000* | 24.6 | 234.9 | 19,200* | 29.7 | 248.6 | 18,300 | 36.7 | 264.6 | 15,100 | 42.5 | 275.1 | 11,900 | 47.6 | 281.5 | 8,800 | 205 |
| 210 | | | | 20.6 | 222.7 | 18,200* | 26.5 | 239.1 | 17,500 | 34.1 | 257.5 | 14,300 | 40.2 | 269.3 | 11,200 | 45.5 | 276.6 | 8,200 | 210 |
| 215 | | | | 15.6 | 207.0 | 17,300* | 22.8 | 228.0 | 16,600 | 31.3 | 249.6 | 13,600 | 37.8 | 263.1 | 10,600 | 43.3 | 271.5 | 7,600 | 215 |
| 220 | | | | 8.0 | 182.3 | 15,800* | 18.4 | 214.4 | 15,800 | 28.2 | 240.7 | 12,900 | 35.3 | 256.2 | 9,900 | 41.1 | 265.9 | 7,100 | 220 |
| 225 | | | | | | | 12.7 | 196.0 | 15,000 | 24.7 | 230.5 | 12,200 | 32.5 | 248.7 | 9,300 | 38.7 | 259.8 | 6,500 | 225 |
| 230 | | | | | | | | | | 20.8 | 218.3 | 11,500 | 29.6 | 240.2 | 8,700 | 36.2 | 253.2 | 6,000 | 230 |
| 235 | | | | | | | | | | 15.9 | 202.9 | 10,900 | 26.3 | 230.7 | 8,200 | 33.5 | 245.9 | 5,500 | 235 |
| 240 | | | | | | | | | | 8.5 | 179.0 | 10,200 | 22.6 | 219.5 | 7,600 | 30.7 | 237.8 | 5,000 | 240 |
| 245 | | | | | | | | | | | | | 18.2 | 205.8 | 7,100 | 27.5 | 228.7 | 4,600 | 245 |
| 250 | | | | | | | | | | | | | 12.3 | 187.0 | 6,500 | 24.0 | 218.1 | 4,100 | 250 |

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

DESIGNED AND TESTED
WITH THE INTENT TO BE
THE SCOPE OF ANSI B30.5

M-250 SERIES 2

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING**

145 FT. BOOM, 200 FT. JIB

| JIB OPER. RAD. FEET | 88 DEGREE BOOM ANGLE | | | 83 DEGREE BOOM ANGLE | | | 80 DEGREE BOOM ANGLE | | | 75 DEGREE BOOM ANGLE | | | 70 DEGREE BOOM ANGLE | | | 65 DEGREE BOOM ANGLE | | | JIB OPER. RAD. FEET |
|---------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|---------------------|
| | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | |
| 70 | 75.5 | 352.0 | 54,000* | | | | | | | | | | | | | | | | 70 |
| 75 | 74.0 | 350.6 | 52,900* | | | | | | | | | | | | | | | | 75 |
| 80 | 72.5 | 349.1 | 52,500* | | | | | | | | | | | | | | | | 80 |
| 85 | 71.0 | 347.4 | 52,100* | | | | | | | | | | | | | | | | 85 |
| 90 | 69.5 | 345.6 | 51,900* | | | | | | | | | | | | | | | | 90 |
| 95 | 68.0 | 343.6 | 51,700* | | | | | | | | | | | | | | | | 95 |
| 100 | 66.4 | 341.4 | 50,000* | 70.4 | 345.0 | 51,400* | | | | | | | | | | | | | 100 |
| 105 | 64.8 | 339.1 | 48,100* | 68.9 | 343.1 | 50,900* | | | | | | | | | | | | | 105 |
| 110 | 63.2 | 336.7 | 46,200* | 67.3 | 341.1 | 50,100* | | | | | | | | | | | | | 110 |
| 115 | 61.6 | 334.0 | 44,200* | 65.8 | 338.9 | 49,100* | | | | | | | | | | | | | 115 |
| 120 | 60.0 | 331.2 | 42,200* | 64.2 | 336.5 | 47,700 | 66.6 | 338.5 | 44,100 | | | | | | | | | | 120 |
| 125 | 58.3 | 328.1 | 40,200* | 62.6 | 333.9 | 44,900 | 65.0 | 336.2 | 41,400 | | | | | | | | | | 125 |
| 130 | 56.6 | 324.9 | 38,200* | 60.9 | 331.2 | 42,300 | 63.4 | 333.8 | 39,000 | | | | | | | | | | 130 |
| 135 | 54.8 | 321.4 | 36,200* | 59.3 | 328.3 | 40,000 | 61.8 | 331.2 | 36,800 | | | | | | | | | | 135 |
| 140 | 53.1 | 317.7 | 34,000* | 57.6 | 325.2 | 37,800 | 60.2 | 328.3 | 34,800 | | | | | | | | | | 140 |
| 145 | 51.2 | 313.8 | 32,000* | 55.9 | 321.8 | 35,800 | 58.5 | 325.3 | 32,900 | 62.6 | 329.1 | 28,100 | | | | | | | 145 |
| 150 | 49.4 | 309.6 | 30,100* | 54.1 | 318.3 | 34,000 | 56.8 | 322.1 | 31,200 | 61.0 | 326.4 | 26,500 | | | | | | | 150 |
| 155 | 47.4 | 305.1 | 28,400* | 52.3 | 314.5 | 32,200 | 55.0 | 318.7 | 29,500 | 59.3 | 323.5 | 25,000 | | | | | | | 155 |
| 160 | 45.5 | 300.3 | 26,800* | 50.5 | 310.5 | 30,600 | 53.3 | 315.0 | 28,000 | 57.7 | 320.4 | 23,700 | | | | | | | 160 |
| 165 | 43.4 | 295.1 | 25,300* | 48.6 | 306.1 | 29,100 | 51.4 | 311.1 | 26,600 | 55.9 | 317.1 | 22,400 | | | | | | | 165 |
| 170 | 41.2 | 289.6 | 23,900* | 46.6 | 301.5 | 27,700* | 49.6 | 306.9 | 25,200 | 54.2 | 313.5 | 21,200 | | | | | | | 170 |
| 175 | 39.0 | 283.6 | 22,600* | 44.6 | 296.5 | 26,200* | 47.7 | 302.5 | 24,000 | 52.4 | 309.7 | 20,000 | 56.7 | 314.0 | 16,200 | | | | 175 |
| 180 | 36.7 | 277.0 | 21,400* | 42.5 | 291.2 | 24,700* | 45.7 | 297.7 | 22,800 | 50.5 | 305.7 | 19,000 | 55.0 | 310.6 | 15,200 | | | | 180 |
| 185 | 34.2 | 269.9 | 20,300* | 40.3 | 285.5 | 23,400* | 43.6 | 292.6 | 21,700 | 48.7 | 301.4 | 18,000 | 53.2 | 306.9 | 14,300 | | | | 185 |
| 190 | 31.5 | 262.0 | 19,200* | 38.0 | 279.3 | 22,100* | 41.5 | 287.1 | 20,600 | 46.7 | 296.8 | 17,000 | 51.4 | 303.0 | 13,500 | | | | 190 |
| 195 | 28.6 | 253.3 | 18,200* | 35.6 | 272.5 | 20,900* | 39.3 | 281.1 | 19,600 | 44.7 | 291.8 | 16,100 | 49.5 | 298.8 | 12,700 | | | | 195 |
| 200 | 25.4 | 243.3 | 17,200* | 33.1 | 265.1 | 19,800* | 36.9 | 274.6 | 18,700 | 42.6 | 286.5 | 15,300 | 47.6 | 294.4 | 11,900 | 52.0 | 298.9 | 8,700 | 200 |
| 205 | 21.8 | 231.6 | 16,300* | 30.3 | 256.9 | 18,800* | 34.5 | 267.6 | 17,800 | 40.4 | 280.8 | 14,500 | 45.6 | 289.6 | 11,200 | 50.2 | 294.8 | 8,100 | 205 |
| 210 | 17.4 | 217.3 | 15,500* | 27.3 | 247.6 | 17,800* | 31.8 | 259.8 | 16,900 | 38.1 | 274.6 | 13,700 | 43.5 | 284.4 | 10,500 | 48.3 | 290.4 | 7,400 | 210 |
| 215 | 11.5 | 197.4 | 13,900* | 23.9 | 237.0 | 16,900* | 28.9 | 251.2 | 16,100 | 35.7 | 267.9 | 12,900 | 41.4 | 278.9 | 9,900 | 46.3 | 285.8 | 6,900 | 215 |
| 220 | | | | 20.1 | 224.4 | 16,000* | 25.8 | 241.3 | 15,300 | 33.2 | 260.5 | 12,200 | 39.2 | 272.9 | 9,200 | 44.3 | 280.7 | 6,300 | 220 |
| 225 | | | | 15.2 | 208.3 | 15,100* | 22.2 | 229.9 | 14,500 | 30.4 | 252.3 | 11,600 | 36.8 | 266.4 | 8,600 | 42.2 | 275.3 | 5,800 | 225 |
| 230 | | | | 7.8 | 183.0 | 13,800* | 18.0 | 216.0 | 13,800 | 27.4 | 243.1 | 10,900 | 34.3 | 259.3 | 8,100 | 40.0 | 269.5 | 5,300 | 230 |
| 235 | | | | | | | 12.3 | 197.0 | 13,000 | 24.1 | 232.6 | 10,300 | 31.7 | 251.5 | 7,500 | 37.7 | 263.2 | 4,800 | 235 |
| 240 | | | | | | | | | | 20.2 | 220.1 | 9,700 | 28.8 | 242.8 | 7,000 | 35.2 | 256.4 | 4,300 | 240 |
| 245 | | | | | | | | | | 15.5 | 204.2 | 9,100 | 25.6 | 232.9 | 6,500 | | | | 245 |
| 250 | | | | | | | | | | 8.3 | 179.7 | 8,500 | 22.0 | 221.4 | 6,000 | | | | 250 |
| 255 | | | | | | | | | | | | | 17.7 | 207.3 | 5,500 | | | | 255 |
| 260 | | | | | | | | | | | | | 12.0 | 188.0 | 5,000 | | | | 260 |

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

DESIGNED AND TESTED
WITH THE INTENT TO BE
THE SCOPE OF ANSI B30.5

M-250 SERIES 2

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING**

155 FT. BOOM, 70 FT. JIB

| JIB OPER. RAD. FEET | 88 DEGREE BOOM ANGLE | | | 83 DEGREE BOOM ANGLE | | | 80 DEGREE BOOM ANGLE | | | 75 DEGREE BOOM ANGLE | | | 70 DEGREE BOOM ANGLE | | | 65 DEGREE BOOM ANGLE | | | 60 DEGREE BOOM ANGLE | | | JIB OPER. RAD. FEET |
|------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|------------------------------|
| | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | |
| 50 | 64.9 | 231.5 | 118,400*b | | | | | | | | | | | | | | | | | | | 50 |
| 55 | 60.2 | 228.8 | 111,600*b | | | | | | | | | | | | | | | | | | | 55 |
| 60 | 55.3 | 225.5 | 105,500*b | | | | | | | | | | | | | | | | | | | 60 |
| 65 | 50.1 | 221.6 | 100,000* | 63.8 | 229.2 | 115,100*b | | | | | | | | | | | | | | | | 65 |
| 70 | 44.5 | 216.8 | 95,200* | 59.1 | 226.3 | 108,800*b | | | | | | | | | | | | | | | | 70 |
| 75 | 38.1 | 210.9 | 90,800* | 54.1 | 222.9 | 103,100*b | 62.1 | 226.6 | 105,400b | | | | | | | | | | | | | 75 |
| 80 | 30.7 | 203.2 | 83,300* | 48.8 | 218.8 | 98,000* | 57.3 | 223.6 | 97,200b | | | | | | | | | | | | | 80 |
| 85 | 20.9 | 192.4 | 76,000* | 43.0 | 213.7 | 93,300* | 52.2 | 219.9 | 90,100b | | | | | | | | | | | | | 85 |
| 90 | | | | 36.4 | 207.5 | 87,300 | 46.7 | 215.4 | 83,900 | 60.6 | 222.1 | 78,200b | | | | | | | | | | 90 |
| 95 | | | | 28.6 | 199.3 | 81,500* | 40.7 | 210.0 | 78,500 | 55.7 | 218.9 | 73,100b | | | | | | | | | | 95 |
| 100 | | | | 17.7 | 187.0 | 74,500* | 33.8 | 203.2 | 73,600 | 50.5 | 215.0 | 68,600 | | | | | | | | | | 100 |
| 105 | | | | | | | 25.1 | 193.9 | 69,200 | 44.9 | 210.2 | 64,500 | | | | | | | | | | 105 |
| 110 | | | | | | | 11.2 | 177.7 | 65,100 | 38.6 | 204.4 | 60,900 | 53.7 | 212.7 | 56,500b | | | | | | | 110 |
| 115 | | | | | | | | | | 31.3 | 197.0 | 57,500 | 48.4 | 208.5 | 53,400 | | | | | | | 115 |
| 120 | | | | | | | | | | 21.7 | 186.5 | 54,400 | 42.5 | 203.4 | 50,600 | | | | | | | 120 |
| 125 | | | | | | | | | | | | | 35.9 | 197.0 | 48,000 | 51.2 | 204.8 | 44,300 | | | | 125 |
| 130 | | | | | | | | | | | | | 27.9 | 188.6 | 45,600 | 45.6 | 200.2 | 42,100 | | | | 130 |
| 135 | | | | | | | | | | | | | 16.6 | 175.7 | 43,300 | 39.4 | 194.6 | 40,100 | | | | 135 |
| 140 | | | | | | | | | | | | | | | | 32.3 | 187.4 | 38,200 | | | | 140 |
| 145 | | | | | | | | | | | | | | | | 23.1 | 177.4 | 36,400 | 47.9 | 195.3 | 35,100 | 145 |
| 150 | | | | | | | | | | | | | | | | 4.5 | 155.3 | 34,600 | 42.0 | 190.1 | 33,500 | 150 |
| 155 | | | | | | | | | | | | | | | | | | | 35.3 | 183.6 | 32,000 | 155 |
| 160 | | | | | | | | | | | | | | | | | | | 27.2 | 175.0 | 30,500 | 160 |
| | | | | | | | | | | | | | | | | | | | 15.3 | 161.4 | 29,100 | 160 |

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

DESIGNED AND TESTED
WITH THE INTENT TO BE
THE SCOPE OF ANSI B30.5

M-250 SERIES 2

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING**

155 FT. BOOM, 80 FT. JIB

| JIB OPER. RAD. FEET | 88 DEGREE BOOM ANGLE | | | 83 DEGREE BOOM ANGLE | | | 80 DEGREE BOOM ANGLE | | | 75 DEGREE BOOM ANGLE | | | 70 DEGREE BOOM ANGLE | | | 65 DEGREE BOOM ANGLE | | | 60 DEGREE BOOM ANGLE | | | JIB OPER. RAD. FEET |
|------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|------------------------------|
| | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | |
| 50 | 68.2 | 242.5 | 114,900*b | | | | | | | | | | | | | | | | | | | 50 |
| 55 | 64.3 | 240.2 | 108,500*b | | | | | | | | | | | | | | | | | | | 55 |
| 60 | 60.2 | 237.4 | 102,600*b | | | | | | | | | | | | | | | | | | | 60 |
| 65 | 55.9 | 234.2 | 97,300* | 67.3 | 240.2 | 111,900*b | | | | | | | | | | | | | | | | 65 |
| 70 | 51.4 | 230.4 | 92,500* | 63.3 | 237.8 | 105,900*b | | | | | | | | | | | | | | | | 70 |
| 75 | 46.6 | 225.9 | 88,200* | 59.2 | 235.0 | 100,400*b | 65.8 | 237.8 | 104,800b | | | | | | | | | | | | | 75 |
| 80 | 41.4 | 220.6 | 83,600* | 54.9 | 231.6 | 95,500* | 61.8 | 235.3 | 96,700b | | | | | | | | | | | | | 80 |
| 85 | 35.5 | 214.1 | 76,300* | 50.3 | 227.7 | 90,900* | 57.6 | 232.2 | 89,600b | | | | | | | | | | | | | 85 |
| 90 | 28.6 | 205.8 | 70,100* | 45.4 | 223.0 | 86,800* | 53.2 | 228.7 | 83,400 | | | | | | | | | | | | | 90 |
| 95 | 19.4 | 194.1 | 64,600* | 40.0 | 217.4 | 81,300 | 48.6 | 224.5 | 78,000 | 60.5 | 230.8 | 72,500b | | | | | | | | | | 95 |
| 100 | | | | 33.9 | 210.5 | 74,700* | 43.5 | 219.5 | 73,100 | 56.3 | 227.6 | 68,000 | | | | | | | | | | 100 |
| 105 | | | | 26.6 | 201.7 | 68,700* | 37.9 | 213.5 | 68,800 | 51.8 | 223.8 | 64,000 | | | | | | | | | | 105 |
| 110 | | | | 16.4 | 188.4 | 63,400* | 31.5 | 206.0 | 64,900 | 47.0 | 219.4 | 60,300 | | | | | | | | | | 110 |
| 115 | | | | | | | 23.4 | 196.0 | 61,300 | 41.8 | 214.1 | 57,000 | 54.5 | 221.4 | 52,700 | | | | | | | 115 |
| 120 | | | | | | | 10.4 | 178.6 | 57,900 | 36.0 | 207.7 | 54,000 | 50.0 | 217.4 | 49,900 | | | | | | | 120 |
| 125 | | | | | | | | | | 29.1 | 199.6 | 51,200 | 45.0 | 212.7 | 47,400 | | | | | | | 125 |
| 130 | | | | | | | | | | 20.2 | 188.2 | 48,700 | 39.6 | 207.0 | 45,000 | 52.4 | 213.7 | 41,400 | | | | 130 |
| 135 | | | | | | | | | | | | | 33.4 | 200.0 | 42,900 | 47.6 | 209.3 | 39,400 | | | | 135 |
| 140 | | | | | | | | | | | | | 26.0 | 190.9 | 40,800 | 42.5 | 204.2 | 37,600 | | | | 140 |
| 145 | | | | | | | | | | | | | 15.4 | 177.0 | 38,900 | 36.7 | 197.9 | 35,900 | | | | 145 |
| 150 | | | | | | | | | | | | | | | | 30.1 | 190.1 | 34,200 | 44.6 | 199.4 | 31,300 | 150 |
| 155 | | | | | | | | | | | | | | | | 21.5 | 179.3 | 32,700 | 39.1 | 193.7 | 29,900 | 155 |
| 160 | | | | | | | | | | | | | | | | 4.1 | 155.6 | 31,100 | 32.9 | 186.5 | 28,600 | 160 |
| 165 | | | | | | | | | | | | | | | | | | | 25.3 | 177.2 | 27,400 | 165 |
| 170 | | | | | | | | | | | | | | | | | | | 14.2 | 162.6 | 26,100 | 170 |

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

DESIGNED AND TESTED
WITH THE INTENT TO BE
THE SCOPE OF ANSI B30.5

M-250 SERIES 2

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING**

155 FT. BOOM, 90 FT. JIB

| JIB OPER. RAD. FEET | 88 DEGREE BOOM ANGLE | | | 83 DEGREE BOOM ANGLE | | | 80 DEGREE BOOM ANGLE | | | 75 DEGREE BOOM ANGLE | | | 70 DEGREE BOOM ANGLE | | | 65 DEGREE BOOM ANGLE | | | 60 DEGREE BOOM ANGLE | | | JIB OPER. RAD. FEET |
|------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|------------------------------|
| | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | |
| 50 | 70.8 | 253.2 | 111,700*b | | | | | | | | | | | | | | | | | | | 50 |
| 55 | 67.3 | 251.2 | 105,600*b | | | | | | | | | | | | | | | | | | | 55 |
| 60 | 63.8 | 248.9 | 100,000*b | | | | | | | | | | | | | | | | | | | 60 |
| 65 | 60.2 | 246.1 | 94,900* | 69.9 | 251.0 | 108,900*b | | | | | | | | | | | | | | | | 65 |
| 70 | 56.4 | 242.9 | 90,200* | 66.5 | 249.0 | 103,200*b | | | | | | | | | | | | | | | | 70 |
| 75 | 52.5 | 239.2 | 86,000* | 62.9 | 246.5 | 98,000*b | | | | | | | | | | | | | | | | 75 |
| 80 | 48.3 | 235.0 | 82,200* | 59.3 | 243.7 | 93,200* | 65.2 | 246.5 | 96,200b | | | | | | | | | | | | | 80 |
| 85 | 43.8 | 230.0 | 76,500* | 55.5 | 240.4 | 88,900* | 61.6 | 243.9 | 89,200 | | | | | | | | | | | | | 85 |
| 90 | 38.9 | 224.1 | 70,200* | 51.5 | 236.5 | 84,800* | 57.9 | 240.9 | 83,000 | | | | | | | | | | | | | 90 |
| 95 | 33.4 | 217.1 | 64,800* | 47.2 | 232.1 | 81,000 | 54.0 | 237.4 | 77,600 | | | | | | | | | | | | | 95 |
| 100 | 26.9 | 208.2 | 60,000* | 42.6 | 227.0 | 74,900* | 49.9 | 233.4 | 72,800 | 60.5 | 239.4 | 67,500 | | | | | | | | | | 100 |
| 105 | 18.3 | 195.6 | 55,300* | 37.6 | 220.8 | 68,900* | 45.6 | 228.7 | 68,500 | 56.7 | 236.3 | 63,500 | | | | | | | | | | 105 |
| 110 | | | | 31.9 | 213.4 | 63,600* | 40.9 | 223.3 | 64,600 | 52.7 | 232.6 | 59,900 | | | | | | | | | | 110 |
| 115 | | | | 25.0 | 203.9 | 59,000* | 35.6 | 216.7 | 61,000 | 48.6 | 228.4 | 56,600 | | | | | | | | | | 115 |
| 120 | | | | 15.4 | 189.7 | 54,900* | 29.6 | 208.7 | 57,800 | 44.1 | 223.5 | 53,600 | 55.2 | 230.1 | 49,500 | | | | | | | 120 |
| 125 | | | | | | | 22.0 | 197.9 | 54,800 | 39.3 | 217.7 | 50,900 | 51.1 | 226.3 | 47,000 | | | | | | | 125 |
| 130 | | | | | | | 9.8 | 179.4 | 52,000 | 33.8 | 210.7 | 48,400 | 46.9 | 221.8 | 44,600 | | | | | | | 130 |
| 135 | | | | | | | | | | 27.4 | 202.0 | 46,100 | 42.3 | 216.6 | 42,500 | | | | | | | 135 |
| 140 | | | | | | | | | | 19.0 | 189.9 | 43,900 | 37.2 | 210.4 | 40,500 | 49.1 | 218.3 | 37,100 | | | | 140 |
| 145 | | | | | | | | | | | | | 31.4 | 202.8 | 38,600 | 44.7 | 213.5 | 35,400 | | | | 145 |
| 150 | | | | | | | | | | | | | 24.5 | 193.1 | 36,900 | 39.9 | 207.8 | 33,800 | | | | 150 |
| 155 | | | | | | | | | | | | | 14.5 | 178.3 | 35,200 | 34.5 | 201.1 | 32,400 | 46.5 | 208.6 | 29,500 | 155 |
| 160 | | | | | | | | | | | | | | | | 28.3 | 192.6 | 30,900 | 41.9 | 203.3 | 28,200 | 160 |
| 165 | | | | | | | | | | | | | | | | 20.3 | 181.1 | 29,600 | 36.8 | 197.0 | 27,000 | 165 |
| 170 | | | | | | | | | | | | | | | | 3.8 | 155.9 | 28,200 | 30.9 | 189.3 | 25,800 | 170 |
| 175 | | | | | | | | | | | | | | | | | | | 23.8 | 179.3 | 24,700 | 175 |
| 180 | | | | | | | | | | | | | | | | | | | 13.4 | 163.7 | 23,700 | 180 |

MANITOWOC ENGINEERING CO.

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



LIFT CRANE LUFFING JIB CAPACITIES

DESIGNED AND TESTED
WITH THE INTENT TO BE
THE SCOPE OF ANSI B30.5

M-250 SERIES 2

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING**

155 FT. BOOM, 100 FT. JIB

| JIB OPER. RAD. FEET | 88 DEGREE BOOM ANGLE | | | 83 DEGREE BOOM ANGLE | | | 80 DEGREE BOOM ANGLE | | | 75 DEGREE BOOM ANGLE | | | 70 DEGREE BOOM ANGLE | | | 65 DEGREE BOOM ANGLE | | | 60 DEGREE BOOM ANGLE | | | JIB OPER. RAD. FEET |
|------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|------------------------------|
| | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | |
| 50 | 72.8 | 263.8 | 108,300*b | | | | | | | | | | | | | | | | | | | 50 |
| 55 | 69.7 | 262.0 | 102,500*b | | | | | | | | | | | | | | | | | | | 55 |
| 60 | 66.6 | 259.9 | 97,100*b | | | | | | | | | | | | | | | | | | | 60 |
| 65 | 63.4 | 257.5 | 92,300* | | | | | | | | | | | | | | | | | | | 65 |
| 70 | 60.2 | 254.8 | 87,800* | 69.0 | 259.8 | 100,200*b | | | | | | | | | | | | | | | | 70 |
| 75 | 56.8 | 251.6 | 83,700* | 65.8 | 257.7 | 95,300* | | | | | | | | | | | | | | | | 75 |
| 80 | 53.2 | 248.0 | 80,000* | 62.6 | 255.2 | 89,800 | 67.8 | 257.5 | 84,300b | | | | | | | | | | | | | 80 |
| 85 | 49.5 | 243.9 | 76,400* | 59.3 | 252.3 | 83,000 | 64.7 | 255.2 | 77,900 | | | | | | | | | | | | | 85 |
| 90 | 45.6 | 239.2 | 70,000* | 55.9 | 249.1 | 77,000 | 61.5 | 252.6 | 72,200 | | | | | | | | | | | | | 90 |
| 95 | 41.4 | 233.8 | 64,600* | 52.4 | 245.4 | 71,800 | 58.1 | 249.6 | 67,200 | | | | | | | | | | | | | 95 |
| 100 | 36.8 | 227.5 | 59,800* | 48.6 | 241.1 | 67,100 | 54.6 | 246.2 | 62,800 | | | | | | | | | | | | | 100 |
| 105 | 31.6 | 219.9 | 55,600* | 44.6 | 236.3 | 62,900 | 51.0 | 242.3 | 58,900 | 60.4 | 248.1 | 52,200 | | | | | | | | | | 105 |
| 110 | 25.4 | 210.4 | 50,900* | 40.3 | 230.7 | 59,100 | 47.2 | 237.8 | 55,300 | 57.0 | 244.9 | 49,000 | | | | | | | | | | 110 |
| 115 | 17.3 | 197.1 | 46,800* | 35.6 | 224.1 | 55,700 | 43.1 | 232.7 | 52,100 | 53.5 | 241.4 | 46,100 | | | | | | | | | | 115 |
| 120 | | | | 30.2 | 216.1 | 52,500 | 38.6 | 226.8 | 49,100 | 49.8 | 237.3 | 43,500 | | | | | | | | | | 120 |
| 125 | | | | 23.7 | 206.0 | 49,700 | 33.7 | 219.8 | 46,400 | 45.9 | 232.7 | 41,000 | 55.7 | 238.8 | 35,700 | | | | | | | 125 |
| 130 | | | | 14.6 | 190.9 | 46,900 | 28.0 | 211.1 | 44,000 | 41.7 | 227.3 | 38,800 | 52.1 | 235.1 | 33,700 | | | | | | | 130 |
| 135 | | | | | | | 20.8 | 199.7 | 41,600 | 37.1 | 221.1 | 36,800 | 48.3 | 230.8 | 31,900 | | | | | | | 135 |
| 140 | | | | | | | 9.2 | 180.1 | 39,400 | 32.0 | 213.6 | 34,800 | 44.3 | 225.9 | 30,200 | | | | | | | 140 |
| 145 | | | | | | | | | | 25.9 | 204.3 | 33,100 | 40.0 | 220.2 | 28,600 | 50.3 | 227.2 | 24,200 | | | | 145 |
| 150 | | | | | | | | | | 18.0 | 191.4 | 31,300 | 35.2 | 213.6 | 27,100 | 46.4 | 222.7 | 22,900 | | | | 150 |
| 155 | | | | | | | | | | | | | 29.7 | 205.5 | 25,700 | 42.3 | 217.4 | 21,700 | | | | 155 |
| 160 | | | | | | | | | | | | | 23.1 | 195.1 | 24,400 | 37.7 | 211.3 | 20,600 | 48.0 | 217.6 | 16,800 | 160 |
| 165 | | | | | | | | | | | | | 13.7 | 179.4 | 23,100 | 32.7 | 204.0 | 19,500 | 44.0 | 212.7 | 15,800 | 165 |
| 170 | | | | | | | | | | | | | | | | 26.7 | 195.0 | 18,500 | 39.6 | 206.9 | 15,000 | 170 |
| 175 | | | | | | | | | | | | | | | | 19.2 | 182.7 | 17,400 | 34.8 | 200.2 | 14,100 | 175 |
| 180 | | | | | | | | | | | | | | | | 3.6 | 156.1 | 16,300 | 29.3 | 191.9 | 13,300 | 180 |
| 185 | | | | | | | | | | | | | | | | | | | 22.5 | 181.3 | 12,500 | 185 |
| 190 | | | | | | | | | | | | | | | | | | | 12.6 | 164.8 | 11,700 | 190 |

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

DESIGNED AND TESTED
WITH THE INTENT TO BE
THE SCOPE OF ANSI B30.5

M-250 SERIES 2

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING**

155 FT. BOOM, 110 FT. JIB

| JIB OPER. RAD. FEET | 88 DEGREE BOOM ANGLE | | | 83 DEGREE BOOM ANGLE | | | 80 DEGREE BOOM ANGLE | | | 75 DEGREE BOOM ANGLE | | | 70 DEGREE BOOM ANGLE | | | 65 DEGREE BOOM ANGLE | | | 60 DEGREE BOOM ANGLE | | | JIB OPER. RAD. FEET |
|------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|------------------------------|
| | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | |
| 50 | 74.4 | 274.2 | 105,000*b | | | | | | | | | | | | | | | | | | | 50 |
| 55 | 71.6 | 272.7 | 99,600*b | | | | | | | | | | | | | | | | | | | 55 |
| 60 | 68.9 | 270.8 | 94,600* | | | | | | | | | | | | | | | | | | | 60 |
| 65 | 66.0 | 268.6 | 90,000* | | | | | | | | | | | | | | | | | | | 65 |
| 70 | 63.1 | 266.2 | 85,800* | 71.0 | 270.5 | 97,500*b | | | | | | | | | | | | | | | | 70 |
| 75 | 60.1 | 263.4 | 81,900* | 68.2 | 268.6 | 92,900* | | | | | | | | | | | | | | | | 75 |
| 80 | 57.1 | 260.3 | 78,200* | 65.3 | 266.4 | 88,600* | | | | | | | | | | | | | | | | 80 |
| 85 | 53.9 | 256.8 | 74,900* | 62.4 | 263.8 | 82,300 | 67.1 | 266.2 | 77,100 | | | | | | | | | | | | | 85 |
| 90 | 50.6 | 252.8 | 71,600* | 59.4 | 261.0 | 76,400 | 64.3 | 263.9 | 71,500 | | | | | | | | | | | | | 90 |
| 95 | 47.1 | 248.3 | 66,000* | 56.3 | 257.8 | 71,100 | 61.3 | 261.2 | 66,600 | | | | | | | | | | | | | 95 |
| 100 | 43.4 | 243.2 | 61,100* | 53.1 | 254.1 | 66,500 | 58.3 | 258.3 | 62,200 | | | | | | | | | | | | | 100 |
| 105 | 39.4 | 237.4 | 55,900* | 49.7 | 250.0 | 62,300 | 55.2 | 254.9 | 58,200 | | | | | | | | | | | | | 105 |
| 110 | 35.0 | 230.7 | 51,300* | 46.2 | 245.4 | 58,500 | 51.9 | 251.1 | 54,700 | 60.4 | 256.7 | 48,300 | | | | | | | | | | 110 |
| 115 | 30.0 | 222.6 | 47,200* | 42.4 | 240.2 | 55,100 | 48.5 | 246.8 | 51,500 | 57.3 | 253.6 | 45,400 | | | | | | | | | | 115 |
| 120 | 24.2 | 212.6 | 43,600* | 38.3 | 234.2 | 52,000 | 44.8 | 242.0 | 48,600 | 54.1 | 250.1 | 42,800 | | | | | | | | | | 120 |
| 125 | 16.4 | 198.5 | 40,400* | 33.8 | 227.1 | 49,200 | 41.0 | 236.5 | 45,900 | 50.8 | 246.2 | 40,400 | | | | | | | | | | 125 |
| 130 | | | | 28.7 | 218.7 | 46,600 | 36.7 | 230.1 | 43,400 | 47.3 | 241.8 | 38,200 | 56.1 | 247.5 | 33,000 | | | | | | | 130 |
| 135 | | | | 22.5 | 207.9 | 44,100 | 32.1 | 222.6 | 41,200 | 43.6 | 236.7 | 36,100 | 52.8 | 243.9 | 31,200 | | | | | | | 135 |
| 140 | | | | 13.9 | 192.1 | 41,800 | 26.6 | 213.5 | 39,000 | 39.7 | 231.0 | 34,300 | 49.5 | 239.8 | 29,500 | | | | | | | 140 |
| 145 | | | | | | | 19.8 | 201.5 | 37,100 | 35.3 | 224.3 | 32,500 | 45.9 | 235.1 | 28,000 | | | | | | | 145 |
| 150 | | | | | | | 8.8 | 180.8 | 35,100 | 30.4 | 216.3 | 30,900 | 42.1 | 229.8 | 26,500 | 51.2 | 236.1 | 22,200 | | | | 150 |
| 155 | | | | | | | | | | 24.7 | 206.5 | 29,300 | 38.0 | 223.7 | 25,100 | 47.8 | 231.7 | 21,000 | | | | 155 |
| 160 | | | | | | | | | | 17.1 | 192.9 | 27,800 | 33.5 | 216.6 | 23,900 | 44.1 | 226.7 | 19,900 | | | | 160 |
| 165 | | | | | | | | | | | | | 28.3 | 208.0 | 22,700 | 40.2 | 221.1 | 18,800 | | | | 165 |
| 170 | | | | | | | | | | | | | 22.0 | 197.0 | 21,500 | 35.9 | 214.5 | 17,800 | | | | 170 |
| 175 | | | | | | | | | | | | | 13.0 | 180.5 | 20,400 | 31.1 | 206.8 | 16,900 | 45.6 | 221.9 | 14,300 | 175 |
| 180 | | | | | | | | | | | | | | | | 25.4 | 197.2 | 16,000 | 41.8 | 216.5 | 13,400 | 180 |
| 185 | | | | | | | | | | | | | | | | 18.2 | 184.3 | 15,100 | 37.7 | 210.4 | 12,700 | 185 |
| 190 | | | | | | | | | | | | | | | | 3.4 | 156.3 | 14,100 | 33.1 | 203.1 | 11,900 | 190 |
| 195 | | | | | | | | | | | | | | | | | | | 27.8 | 194.4 | 11,200 | 195 |
| 200 | | | | | | | | | | | | | | | | | | | 21.4 | 183.2 | 10,500 | 200 |
| | | | | | | | | | | | | | | | | | | | 12.0 | 165.8 | 9,800 | 200 |

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

DESIGNED AND TESTED
WITH THE INTENT TO BE
THE SCOPE OF ANSI B30.5

M-250 SERIES 2

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING**

155 FT. BOOM, 120 FT. JIB

| JIB OPER. RAD. FEET | 88 DEGREE BOOM ANGLE | | | 83 DEGREE BOOM ANGLE | | | 80 DEGREE BOOM ANGLE | | | 75 DEGREE BOOM ANGLE | | | 70 DEGREE BOOM ANGLE | | | 65 DEGREE BOOM ANGLE | | | 60 DEGREE BOOM ANGLE | | | JIB OPER. RAD. FEET |
|---------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|---------------------|
| | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | |
| 50 | 75.7 | 284.6 | 101,500* | | | | | | | | | | | | | | | | | | | 50 |
| 55 | 73.2 | 283.2 | 96,400* | | | | | | | | | | | | | | | | | | | 55 |
| 60 | 70.7 | 281.5 | 91,800* | | | | | | | | | | | | | | | | | | | 60 |
| 65 | 68.1 | 279.6 | 87,500* | | | | | | | | | | | | | | | | | | | 65 |
| 70 | 65.5 | 277.4 | 83,400* | | | | | | | | | | | | | | | | | | | 70 |
| 75 | 62.9 | 274.9 | 79,700* | 70.1 | 279.3 | 90,100* | | | | | | | | | | | | | | | | 75 |
| 80 | 60.1 | 272.1 | 76,200* | 67.5 | 277.3 | 86,100* | | | | | | | | | | | | | | | | 80 |
| 85 | 57.3 | 269.0 | 73,000* | 64.9 | 275.1 | 81,700 | | | | | | | | | | | | | | | | 85 |
| 90 | 54.4 | 265.5 | 70,000* | 62.2 | 272.5 | 75,700 | 66.6 | 274.9 | 70,800 | | | | | | | | | | | | | 90 |
| 95 | 51.4 | 261.6 | 65,600* | 59.5 | 269.7 | 70,500 | 63.9 | 272.6 | 65,800 | | | | | | | | | | | | | 95 |
| 100 | 48.2 | 257.3 | 60,700* | 56.6 | 266.5 | 65,800 | 61.2 | 269.9 | 61,400 | | | | | | | | | | | | | 100 |
| 105 | 44.9 | 252.5 | 56,000* | 53.7 | 262.9 | 61,700 | 58.4 | 266.9 | 57,500 | | | | | | | | | | | | | 105 |
| 110 | 41.4 | 247.0 | 51,600* | 50.6 | 258.9 | 57,900 | 55.6 | 263.6 | 54,000 | | | | | | | | | | | | | 110 |
| 115 | 37.6 | 240.8 | 47,500* | 47.5 | 254.5 | 54,500 | 52.6 | 259.9 | 50,800 | 60.3 | 265.4 | 44,600 | | | | | | | | | | 115 |
| 120 | 33.4 | 233.7 | 43,800* | 44.1 | 249.5 | 51,500 | 49.5 | 255.8 | 47,900 | 57.5 | 262.3 | 42,000 | | | | | | | | | | 120 |
| 125 | 28.7 | 225.2 | 40,500* | 40.5 | 243.9 | 48,600 | 46.3 | 251.1 | 45,200 | 54.6 | 258.9 | 39,600 | | | | | | | | | | 125 |
| 130 | 23.1 | 214.6 | 37,600* | 36.6 | 237.5 | 46,100 | 42.8 | 246.0 | 42,800 | 51.6 | 255.0 | 37,400 | | | | | | | | | | 130 |
| 135 | 15.7 | 199.9 | 35,000* | 32.3 | 230.0 | 43,700 | 39.1 | 240.1 | 40,600 | 48.5 | 250.8 | 35,400 | 56.4 | 256.2 | 30,400 | | | | | | | 135 |
| 140 | | | | 27.4 | 221.1 | 41,400 | 35.1 | 233.3 | 38,500 | 45.2 | 246.0 | 33,600 | 53.5 | 252.7 | 28,700 | | | | | | | 140 |
| 145 | | | | 21.5 | 209.8 | 39,300 | 30.6 | 225.4 | 36,500 | 41.7 | 240.6 | 31,800 | 50.4 | 248.7 | 27,200 | | | | | | | 145 |
| 150 | | | | 13.3 | 193.2 | 37,400 | 25.4 | 215.8 | 34,700 | 37.9 | 234.4 | 30,200 | 47.2 | 244.2 | 25,700 | | | | | | | 150 |
| 155 | | | | | | | 19.0 | 203.1 | 33,000 | 33.7 | 227.3 | 28,700 | 43.8 | 239.2 | 24,400 | 52.0 | 244.9 | 20,200 | | | | 155 |
| 160 | | | | | | | 8.4 | 181.5 | 31,300 | 29.1 | 218.9 | 27,300 | 40.2 | 233.5 | 23,100 | 48.9 | 240.7 | 19,100 | | | | 160 |
| 165 | | | | | | | | | | 23.6 | 208.6 | 25,900 | 36.3 | 227.0 | 22,000 | 45.6 | 235.9 | 18,000 | | | | 165 |
| 170 | | | | | | | | | | 16.4 | 194.3 | 24,600 | 32.0 | 219.5 | 20,800 | 42.1 | 230.6 | 17,100 | | | | 170 |
| 175 | | | | | | | | | | 27.0 | 210.4 | 23,000 | 27.0 | 210.4 | 19,800 | 38.4 | 224.6 | 16,100 | 46.9 | 231.0 | 12,600 | 175 |
| 180 | | | | | | | | | | 21.0 | 198.9 | 21,800 | 21.0 | 198.9 | 18,800 | 34.3 | 217.6 | 15,300 | 43.5 | 225.9 | 11,800 | 180 |
| 185 | | | | | | | | | | 12.4 | 181.6 | 20,700 | 12.4 | 181.6 | 17,700 | 29.7 | 209.4 | 14,400 | 39.9 | 220.2 | 11,100 | 185 |
| 190 | | | | | | | | | | | | | | | | 24.3 | 199.4 | 13,600 | 36.0 | 213.6 | 10,400 | 190 |
| 195 | | | | | | | | | | | | | | | | 17.4 | 185.8 | 12,800 | 31.6 | 206.0 | 9,800 | 195 |
| 200 | | | | | | | | | | | | | | | | 3.2 | 156.5 | 11,900 | 26.6 | 196.8 | 9,100 | 200 |
| 205 | | | | | | | | | | | | | | | | | | | 20.5 | 184.9 | 8,500 | 205 |
| 210 | | | | | | | | | | | | | | | | | | | 11.5 | 166.7 | 7,900 | 210 |

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

DESIGNED AND TESTED
WITH THE INTENT TO BE
THE SCOPE OF ANSI B30.5

M-250 SERIES 2

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING**

155 FT. BOOM, 130 FT. JIB

| JIB OPER. RAD. FEET | 88 DEGREE BOOM ANGLE | | | 83 DEGREE BOOM ANGLE | | | 80 DEGREE BOOM ANGLE | | | 75 DEGREE BOOM ANGLE | | | 70 DEGREE BOOM ANGLE | | | 65 DEGREE BOOM ANGLE | | | 60 DEGREE BOOM ANGLE | | | JIB OPER. RAD. FEET |
|------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|------------------------------|
| | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | |
| 55 | 74.6 | 293.6 | 93,500* | | | | | | | | | | | | | | | | | | | 55 |
| 60 | 72.2 | 292.1 | 89,200* | | | | | | | | | | | | | | | | | | | 60 |
| 65 | 69.9 | 290.3 | 85,100* | | | | | | | | | | | | | | | | | | | 65 |
| 70 | 67.5 | 288.3 | 81,200* | | | | | | | | | | | | | | | | | | | 70 |
| 75 | 65.1 | 286.0 | 77,700* | | | | | | | | | | | | | | | | | | | 75 |
| 80 | 62.7 | 283.5 | 74,400* | 69.3 | 288.1 | 83,700* | | | | | | | | | | | | | | | | 80 |
| 85 | 60.1 | 280.7 | 71,300* | 66.9 | 286.1 | 80,200* | | | | | | | | | | | | | | | | 85 |
| 90 | 57.5 | 277.7 | 68,400* | 64.5 | 283.8 | 75,400 | | | | | | | | | | | | | | | | 90 |
| 95 | 54.9 | 274.2 | 65,500* | 62.0 | 281.2 | 70,100 | 66.1 | 283.7 | 65,500 | | | | | | | | | | | | | 95 |
| 100 | 52.1 | 270.5 | 60,600* | 59.5 | 278.3 | 65,500 | 63.6 | 281.2 | 61,100 | | | | | | | | | | | | | 100 |
| 105 | 49.2 | 266.3 | 56,000* | 56.9 | 275.1 | 61,400 | 61.1 | 278.6 | 57,200 | | | | | | | | | | | | | 105 |
| 110 | 46.2 | 261.6 | 51,700* | 54.2 | 271.6 | 57,600 | 58.6 | 275.6 | 53,700 | | | | | | | | | | | | | 110 |
| 115 | 43.1 | 256.5 | 47,800* | 51.4 | 267.8 | 54,300 | 55.9 | 272.3 | 50,500 | 62.8 | 276.8 | 44,300 | | | | | | | | | | 115 |
| 120 | 39.7 | 250.7 | 44,200* | 48.5 | 263.5 | 51,200 | 53.2 | 268.7 | 47,600 | 60.3 | 274.1 | 41,700 | | | | | | | | | | 120 |
| 125 | 36.0 | 244.1 | 40,900* | 45.5 | 258.7 | 48,400 | 50.4 | 264.7 | 45,000 | 57.7 | 271.0 | 39,300 | | | | | | | | | | 125 |
| 130 | 32.0 | 236.6 | 37,900* | 42.3 | 253.4 | 45,800 | 47.4 | 260.2 | 42,500 | 55.1 | 267.6 | 37,100 | | | | | | | | | | 130 |
| 135 | 27.5 | 227.6 | 35,300* | 38.8 | 247.4 | 43,400 | 44.3 | 255.3 | 40,300 | 52.3 | 263.8 | 35,100 | | | | | | | | | | 135 |
| 140 | 22.2 | 216.5 | 32,800* | 35.1 | 240.7 | 41,200 | 41.0 | 249.7 | 38,200 | 49.4 | 259.7 | 33,300 | 56.7 | 264.9 | 28,400 | | | | | | | 140 |
| 145 | 15.1 | 201.2 | 30,700* | 31.0 | 232.8 | 39,200 | 37.5 | 243.5 | 36,300 | 46.4 | 255.1 | 31,500 | 54.0 | 261.4 | 26,800 | | | | | | | 145 |
| 150 | | | | 26.3 | 223.4 | 37,300 | 33.7 | 236.3 | 34,500 | 43.3 | 250.0 | 29,900 | 51.2 | 257.5 | 25,400 | | | | | | | 150 |
| 155 | | | | 20.7 | 211.6 | 35,500 | 29.4 | 228.0 | 32,900 | 39.9 | 244.2 | 28,500 | 48.3 | 253.2 | 24,100 | | | | | | | 155 |
| 160 | | | | 12.7 | 194.3 | 33,800* | 24.4 | 217.9 | 31,300 | 36.3 | 237.7 | 27,100 | 45.2 | 248.4 | 22,900 | 52.7 | 253.7 | 18,700 | | | | 160 |
| 165 | | | | | | | 18.2 | 204.7 | 29,800 | 32.4 | 230.2 | 25,700 | 42.0 | 243.0 | 21,700 | 49.8 | 249.6 | 17,700 | | | | 165 |
| 170 | | | | | | | 8.0 | 182.2 | 28,300 | 27.9 | 221.4 | 24,500 | 38.6 | 237.0 | 20,600 | 46.8 | 245.0 | 16,800 | | | | 170 |
| 175 | | | | | | | | | | 22.6 | 210.5 | 23,300 | 34.8 | 230.2 | 19,600 | 43.7 | 240.0 | 15,900 | | | | 175 |
| 180 | | | | | | | | | | 15.7 | 195.7 | 22,200 | 30.7 | 222.2 | 18,600 | 40.4 | 234.3 | 15,000 | | | | 180 |
| 185 | | | | | | | | | | | | | 25.9 | 212.7 | 17,600 | 36.8 | 227.9 | 14,200 | 45.0 | 235.1 | 10,800 | 185 |
| 190 | | | | | | | | | | | | | 20.2 | 200.6 | 16,700 | 32.9 | 220.6 | 13,400 | 41.7 | 229.7 | 10,200 | 190 |
| 195 | | | | | | | | | | | | | 11.9 | 182.6 | 15,800 | 28.5 | 212.0 | 12,700 | 38.3 | 223.7 | 9,500 | 195 |
| 200 | | | | | | | | | | | | | | | | 23.3 | 201.4 | 11,900 | 34.5 | 216.7 | 8,900 | 200 |
| 205 | | | | | | | | | | | | | | | | 16.7 | 187.2 | 11,200 | 30.3 | 208.7 | 8,300 | 205 |
| 210 | | | | | | | | | | | | | | | | 3.1 | 156.8 | 10,400 | 25.5 | 199.0 | 7,800 | 210 |
| 215 | | | | | | | | | | | | | | | | | | | 19.6 | 186.7 | 7,200 | 215 |
| 220 | | | | | | | | | | | | | | | | | | | 11.0 | 167.7 | 6,600 | 220 |

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

DESIGNED AND TESTED
WITH THE INTENT TO BE
THE SCOPE OF ANSI B30.5

M-250 SERIES 2

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING**

155 FT. BOOM, 140 FT. JIB

| JIB OPER. RAD. FEET | 88 DEGREE BOOM ANGLE | | | 83 DEGREE BOOM ANGLE | | | 80 DEGREE BOOM ANGLE | | | 75 DEGREE BOOM ANGLE | | | 70 DEGREE BOOM ANGLE | | | 65 DEGREE BOOM ANGLE | | | 60 DEGREE BOOM ANGLE | | | JIB OPER. RAD. FEET |
|------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|------------------------------|
| | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | |
| 55 | 75.7 | 304.0 | 90,200* | | | | | | | | | | | | | | | | | | | 55 |
| 60 | 73.6 | 302.6 | 86,200* | | | | | | | | | | | | | | | | | | | 60 |
| 65 | 71.4 | 300.9 | 82,400* | | | | | | | | | | | | | | | | | | | 65 |
| 70 | 69.2 | 299.1 | 78,800* | | | | | | | | | | | | | | | | | | | 70 |
| 75 | 67.0 | 297.0 | 75,400* | | | | | | | | | | | | | | | | | | | 75 |
| 80 | 64.8 | 294.7 | 72,300* | 70.9 | 298.8 | 81,100* | | | | | | | | | | | | | | | | 80 |
| 85 | 62.5 | 292.2 | 69,300* | 68.7 | 296.9 | 77,800* | | | | | | | | | | | | | | | | 85 |
| 90 | 60.1 | 289.4 | 66,600* | 66.5 | 294.8 | 74,700* | | | | | | | | | | | | | | | | 90 |
| 95 | 57.7 | 286.3 | 64,000* | 64.2 | 292.4 | 69,500* | 67.9 | 294.6 | 64,700 | | | | | | | | | | | | | 95 |
| 100 | 55.2 | 282.9 | 59,900* | 61.9 | 289.8 | 64,900 | 65.6 | 292.4 | 60,400 | | | | | | | | | | | | | 100 |
| 105 | 52.7 | 279.2 | 55,600* | 59.5 | 287.0 | 60,700 | 63.4 | 289.9 | 56,500 | | | | | | | | | | | | | 105 |
| 110 | 50.1 | 275.2 | 51,600* | 57.1 | 283.8 | 57,000 | 61.0 | 287.2 | 53,000 | | | | | | | | | | | | | 110 |
| 115 | 47.3 | 270.7 | 47,800* | 54.6 | 280.4 | 53,600 | 58.7 | 284.3 | 49,800 | | | | | | | | | | | | | 115 |
| 120 | 44.4 | 265.8 | 44,300* | 52.1 | 276.6 | 50,600 | 56.2 | 281.0 | 46,900 | 62.6 | 285.5 | 40,900 | | | | | | | | | | 120 |
| 125 | 41.4 | 260.3 | 41,100* | 49.4 | 272.4 | 47,800 | 53.7 | 277.4 | 44,300 | 60.3 | 282.7 | 38,500 | | | | | | | | | | 125 |
| 130 | 38.2 | 254.2 | 38,200* | 46.6 | 267.8 | 45,200 | 51.1 | 273.5 | 41,900 | 57.9 | 279.7 | 36,400 | | | | | | | | | | 130 |
| 135 | 34.7 | 247.2 | 35,500* | 43.7 | 262.8 | 42,900 | 48.4 | 269.2 | 39,700 | 55.4 | 276.3 | 34,400 | | | | | | | | | | 135 |
| 140 | 30.8 | 239.3 | 33,100* | 40.6 | 257.1 | 40,700 | 45.6 | 264.4 | 37,600 | 52.9 | 272.6 | 32,500 | | | | | | | | | | 140 |
| 145 | 26.5 | 230.0 | 30,900* | 37.3 | 250.8 | 38,700 | 42.6 | 259.2 | 35,700 | 50.3 | 268.6 | 30,800 | 56.9 | 273.6 | 26,000 | | | | | | | 145 |
| 150 | 21.3 | 218.4 | 28,900* | 33.8 | 243.7 | 36,800 | 39.5 | 253.3 | 33,900 | 47.5 | 264.1 | 29,200 | 54.4 | 270.1 | 24,600 | | | | | | | 150 |
| 155 | 14.5 | 202.4 | 27,100* | 29.8 | 235.5 | 35,000 | 36.1 | 246.8 | 32,300 | 44.6 | 259.2 | 27,800 | 51.9 | 266.3 | 23,300 | | | | | | | 155 |
| 160 | | | | 25.3 | 225.7 | 33,300* | 32.4 | 239.3 | 30,700 | 41.6 | 253.8 | 26,400 | 49.2 | 262.1 | 22,100 | | | | | | | 160 |
| 165 | | | | 19.9 | 213.4 | 31,500* | 28.3 | 230.5 | 29,300 | 38.4 | 247.7 | 25,100 | 46.4 | 257.5 | 20,900 | | | | | | | 165 |
| 170 | | | | 12.2 | 195.4 | 29,900* | 23.5 | 220.0 | 27,900 | 34.9 | 240.9 | 23,900 | 43.5 | 252.4 | 19,800 | 50.6 | 258.5 | 15,900 | | | | 170 |
| 175 | | | | | | | 17.5 | 206.2 | 26,600 | 31.1 | 233.0 | 22,700 | 40.4 | 246.7 | 18,800 | 47.9 | 254.1 | 15,000 | | | | 175 |
| 180 | | | | | | | 7.7 | 182.8 | 25,200 | 26.8 | 223.8 | 21,600 | 37.1 | 240.4 | 17,900 | 45.0 | 249.2 | 14,200 | | | | 180 |
| 185 | | | | | | | | | | 21.8 | 212.4 | 20,500 | 33.5 | 233.2 | 17,000 | 42.0 | 243.9 | 13,400 | | | | 185 |
| 190 | | | | | | | | | | 15.1 | 197.0 | 19,500 | 29.5 | 224.8 | 16,100 | 38.8 | 237.9 | 12,600 | 46.2 | 244.3 | 9,300 | 190 |
| 195 | | | | | | | | | | | | | 25.0 | 214.9 | 15,200 | 35.4 | 231.1 | 11,900 | 43.2 | 239.1 | 8,700 | 195 |
| 200 | | | | | | | | | | | | | 19.4 | 202.3 | 14,400 | 31.6 | 223.4 | 11,200 | 40.1 | 233.4 | 8,100 | 200 |
| 205 | | | | | | | | | | | | | 11.5 | 183.6 | 13,600 | 27.4 | 214.4 | 10,600 | 36.8 | 227.0 | 7,500 | 205 |
| 210 | | | | | | | | | | | | | | | | 22.4 | 203.4 | 9,900 | 33.2 | 219.7 | 7,000 | 210 |
| 215 | | | | | | | | | | | | | | | | 16.1 | 188.6 | 9,300 | 29.2 | 211.3 | 6,500 | 215 |
| 220 | | | | | | | | | | | | | | | | 24.6 | 201.2 | 8,600 | 24.6 | 201.2 | 6,000 | 220 |
| 225 | | | | | | | | | | | | | | | | 2.9 | 157.0 | | 18.9 | 188.3 | 5,500 | 225 |
| 230 | | | | | | | | | | | | | | | | | | | 10.6 | 168.5 | 4,900 | 230 |

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

DESIGNED AND TESTED
WITH THE INTENT TO BE
THE SCOPE OF ANSI B30.5

M-250 SERIES 2

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING**

155 FT. BOOM, 150 FT. JIB

| JIB OPER. RAD. FEET | 88 DEGREE BOOM ANGLE | | | 83 DEGREE BOOM ANGLE | | | 80 DEGREE BOOM ANGLE | | | 75 DEGREE BOOM ANGLE | | | 70 DEGREE BOOM ANGLE | | | 65 DEGREE BOOM ANGLE | | | 60 DEGREE BOOM ANGLE | | | JIB OPER. RAD. FEET |
|---------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|---------------------|
| | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | |
| 60 | 74.7 | 313.0 | 82,500* | | | | | | | | | | | | | | | | | | | 60 |
| 65 | 72.7 | 311.5 | 79,000* | | | | | | | | | | | | | | | | | | | 65 |
| 70 | 70.7 | 309.8 | 75,700* | | | | | | | | | | | | | | | | | | | 70 |
| 75 | 68.6 | 307.9 | 72,600* | | | | | | | | | | | | | | | | | | | 75 |
| 80 | 66.6 | 305.8 | 69,700* | | | | | | | | | | | | | | | | | | | 80 |
| 85 | 64.4 | 303.4 | 67,000* | 70.2 | 307.6 | 74,600* | | | | | | | | | | | | | | | | 85 |
| 90 | 62.3 | 300.9 | 64,400* | 68.1 | 305.7 | 71,800* | | | | | | | | | | | | | | | | 90 |
| 95 | 60.1 | 298.1 | 61,900* | 66.0 | 303.5 | 68,800 | | | | | | | | | | | | | | | | 95 |
| 100 | 57.9 | 295.0 | 59,300* | 63.9 | 301.1 | 64,200 | 67.4 | 303.3 | 59,700 | | | | | | | | | | | | | 100 |
| 105 | 55.6 | 291.7 | 55,300* | 61.8 | 298.5 | 60,100 | 65.3 | 301.1 | 55,800 | | | | | | | | | | | | | 105 |
| 110 | 53.2 | 288.0 | 51,500* | 59.6 | 295.6 | 56,400 | 63.1 | 298.6 | 52,300 | | | | | | | | | | | | | 110 |
| 115 | 50.8 | 284.0 | 47,900* | 57.3 | 292.5 | 53,000 | 61.0 | 295.9 | 49,100 | | | | | | | | | | | | | 115 |
| 120 | 48.2 | 279.7 | 44,600* | 55.0 | 289.1 | 50,000 | 58.8 | 292.9 | 46,300 | | | | | | | | | | | | | 120 |
| 125 | 45.6 | 274.9 | 41,500* | 52.6 | 285.4 | 47,200 | 56.5 | 289.7 | 43,700 | 62.5 | 294.2 | 37,800 | | | | | | | | | | 125 |
| 130 | 42.8 | 269.7 | 38,600* | 50.2 | 281.3 | 44,600 | 54.1 | 286.2 | 41,200 | 60.3 | 291.4 | 35,700 | | | | | | | | | | 130 |
| 135 | 39.9 | 263.9 | 36,000* | 47.6 | 276.9 | 42,300 | 51.7 | 282.3 | 39,000 | 58.0 | 288.3 | 33,700 | | | | | | | | | | 135 |
| 140 | 36.8 | 257.5 | 33,600* | 44.9 | 272.0 | 40,100 | 49.2 | 278.1 | 37,000 | 55.7 | 285.0 | 31,900 | | | | | | | | | | 140 |
| 145 | 33.4 | 250.3 | 31,400* | 42.1 | 266.6 | 38,100 | 46.6 | 273.5 | 35,100 | 53.4 | 281.4 | 30,200 | | | | | | | | | | 145 |
| 150 | 29.7 | 242.0 | 29,300* | 39.2 | 260.7 | 36,200 | 43.9 | 268.5 | 33,300 | 50.9 | 277.4 | 28,600 | 57.1 | 282.3 | 23,900 | | | | | | | 150 |
| 155 | 25.6 | 232.2 | 27,500* | 36.0 | 254.1 | 34,500 | 41.1 | 263.0 | 31,700 | 48.4 | 273.1 | 27,100 | 54.8 | 278.9 | 22,600 | | | | | | | 155 |
| 160 | 20.6 | 220.2 | 25,800* | 32.6 | 246.6 | 32,800 | 38.1 | 256.8 | 30,200 | 45.8 | 268.4 | 25,700 | 52.4 | 275.1 | 21,400 | | | | | | | 160 |
| 165 | 14.0 | 203.6 | 24,300* | 28.8 | 238.0 | 31,300 | 34.8 | 249.9 | 28,700 | 43.0 | 263.2 | 24,500 | 50.0 | 271.0 | 20,300 | | | | | | | 165 |
| 170 | | | | 24.4 | 227.8 | 29,800 | 31.2 | 242.1 | 27,400 | 40.1 | 257.5 | 23,200 | 47.4 | 266.6 | 19,200 | | | | | | | 170 |
| 175 | | | | 19.2 | 215.0 | 28,500 | 27.3 | 233.0 | 26,100 | 37.0 | 251.1 | 22,100 | 44.7 | 261.7 | 18,200 | 51.3 | 267.3 | 14,400 | | | | 175 |
| 180 | | | | 11.8 | 196.4 | 27,100* | 22.7 | 222.0 | 24,900 | 33.7 | 243.9 | 21,000 | 41.9 | 256.3 | 17,200 | 48.7 | 263.0 | 13,500 | | | | 180 |
| 185 | | | | | | | 16.9 | 207.7 | 23,700 | 30.0 | 235.7 | 20,000 | 39.0 | 250.3 | 16,300 | 46.1 | 258.4 | 12,700 | | | | 185 |
| 190 | | | | | | | 7.4 | 183.4 | 22,500 | 25.9 | 226.1 | 19,000 | 35.8 | 243.6 | 15,500 | 43.4 | 253.2 | 12,000 | | | | 190 |
| 195 | | | | | | | | | | 21.0 | 214.3 | 18,100 | 32.3 | 236.1 | 14,700 | 40.5 | 247.6 | 11,300 | 47.2 | 253.3 | 8,000 | 195 |
| 200 | | | | | | | | | | 14.6 | 198.2 | 17,200 | 28.5 | 227.4 | 13,900 | 37.4 | 241.3 | 10,600 | 44.5 | 248.4 | 7,400 | 200 |
| 205 | | | | | | | | | | | | | 24.1 | 217.0 | 13,100 | 34.1 | 234.2 | 10,000 | 41.7 | 243.0 | 6,900 | 205 |
| 210 | | | | | | | | | | | | | 18.7 | 204.0 | 12,400 | 30.5 | 226.2 | 9,300 | 38.7 | 236.9 | 6,300 | 210 |
| 215 | | | | | | | | | | | | | 11.1 | 184.5 | 11,700 | 26.4 | 216.7 | 8,700 | 35.5 | 230.2 | 5,800 | 215 |
| 220 | | | | | | | | | | | | | | | | 21.7 | 205.3 | 8,200 | 32.0 | 222.6 | 5,300 | 220 |
| 225 | | | | | | | | | | | | | | | | 15.5 | 190.0 | 7,600 | 28.2 | 213.8 | 4,900 | 225 |
| 230 | | | | | | | | | | | | | | | | 2.8 | 157.2 | 6,900 | 23.7 | 203.3 | 4,400 | 230 |

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

DESIGNED AND TESTED
WITH THE INTENT TO BE
THE SCOPE OF ANSI B30.5

M-250 SERIES 2

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING**

155 FT. BOOM, 160 FT. JIB

| JIB OPER. RAD. FEET | 88 DEGREE BOOM ANGLE | | | 83 DEGREE BOOM ANGLE | | | 80 DEGREE BOOM ANGLE | | | 75 DEGREE BOOM ANGLE | | | 70 DEGREE BOOM ANGLE | | | 65 DEGREE BOOM ANGLE | | | 60 DEGREE BOOM ANGLE | | | JIB OPER. RAD. FEET |
|------------------------------|-------------------------|-------------------------------|--|-------------------------|-------------------------------|--|-------------------------|-------------------------------|--|-------------------------|-------------------------------|--|-------------------------|-------------------------------|--|-------------------------|-------------------------------|--|-------------------------|-------------------------------|--|------------------------------|
| | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | |
| 60 | 75.7 | 323.4 | 79,400* | | | | | | | | | | | | | | | | | | | 60 |
| 65 | 73.8 | 321.9 | 76,300* | | | | | | | | | | | | | | | | | | | 65 |
| 70 | 71.9 | 320.4 | 73,300* | | | | | | | | | | | | | | | | | | | 70 |
| 75 | 70.0 | 318.6 | 70,400* | | | | | | | | | | | | | | | | | | | 75 |
| 80 | 68.1 | 316.6 | 67,600* | | | | | | | | | | | | | | | | | | | 80 |
| 85 | 66.2 | 314.5 | 65,000* | | | | | | | | | | | | | | | | | | | 85 |
| 90 | 64.2 | 312.1 | 62,500* | 69.6 | 316.4 | 69,500* | | | | | | | | | | | | | | | | 90 |
| 95 | 62.2 | 309.5 | 60,200* | 67.6 | 314.4 | 67,000* | | | | | | | | | | | | | | | | 95 |
| 100 | 60.1 | 306.7 | 57,600* | 65.7 | 312.2 | 63,500* | | | | | | | | | | | | | | | | 100 |
| 105 | 58.0 | 303.7 | 54,100* | 63.7 | 309.8 | 59,400* | 66.9 | 312.0 | 55,100 | | | | | | | | | | | | | 105 |
| 110 | 55.9 | 300.4 | 50,700* | 61.7 | 307.2 | 55,700* | 65.0 | 309.8 | 51,600 | | | | | | | | | | | | | 110 |
| 115 | 53.7 | 296.8 | 47,400* | 59.6 | 304.3 | 52,400* | 62.9 | 307.3 | 48,400 | | | | | | | | | | | | | 115 |
| 120 | 51.4 | 292.9 | 44,300* | 57.5 | 301.2 | 49,300* | 60.9 | 304.5 | 45,600 | | | | | | | | | | | | | 120 |
| 125 | 49.0 | 288.6 | 41,400* | 55.3 | 297.8 | 46,600* | 58.8 | 301.6 | 43,000 | | | | | | | | | | | | | 125 |
| 130 | 46.6 | 284.0 | 38,600* | 53.1 | 294.1 | 44,000* | 56.7 | 298.4 | 40,600 | 62.3 | 302.8 | 34,900 | | | | | | | | | | 130 |
| 135 | 44.1 | 279.0 | 36,100* | 50.8 | 290.2 | 41,700* | 54.5 | 294.9 | 38,400 | 60.3 | 300.0 | 32,900 | | | | | | | | | | 135 |
| 140 | 41.4 | 273.5 | 33,700* | 48.4 | 285.8 | 39,500* | 52.3 | 291.1 | 36,300 | 58.2 | 297.0 | 31,100 | | | | | | | | | | 140 |
| 145 | 38.6 | 267.4 | 31,500* | 46.0 | 281.1 | 37,500* | 50.0 | 287.0 | 34,400 | 56.0 | 293.7 | 29,400 | | | | | | | | | | 145 |
| 150 | 35.6 | 260.7 | 29,500* | 43.4 | 276.0 | 35,600* | 47.6 | 282.6 | 32,700 | 53.8 | 290.1 | 27,900 | | | | | | | | | | 150 |
| 155 | 32.3 | 253.2 | 27,700* | 40.7 | 270.4 | 33,900* | 45.1 | 277.7 | 31,100 | 51.5 | 286.3 | 26,400 | 57.3 | 291.0 | 21,800 | | | | | | | 155 |
| 160 | 28.8 | 244.5 | 25,900* | 37.9 | 264.2 | 32,300* | 42.5 | 272.4 | 29,500* | 49.2 | 282.0 | 25,000 | 55.2 | 287.6 | 20,600 | | | | | | | 160 |
| 165 | 24.7 | 234.4 | 24,400* | 34.8 | 257.3 | 30,700* | 39.7 | 266.6 | 28,100 | 46.8 | 277.5 | 23,800 | 52.9 | 283.9 | 19,500 | | | | | | | 165 |
| 170 | 19.9 | 221.9 | 22,900* | 31.5 | 249.5 | 29,300* | 36.8 | 260.1 | 26,800 | 44.3 | 272.5 | 22,600 | 50.6 | 279.9 | 18,400 | | | | | | | 170 |
| 175 | 13.5 | 204.8 | 21,700* | 27.8 | 240.5 | 27,900* | 33.6 | 252.9 | 25,500 | 41.6 | 267.0 | 21,400 | 48.3 | 275.5 | 17,400 | | | | | | | 175 |
| 180 | | | | 23.6 | 229.9 | 26,700* | 30.2 | 244.8 | 24,300 | 38.8 | 261.0 | 20,400 | 45.8 | 270.8 | 16,500 | 51.8 | 276.1 | 12,700 | | | | 180 |
| 185 | | | | 18.6 | 216.7 | 25,300* | 26.4 | 235.3 | 23,200 | 35.8 | 254.3 | 19,300 | 43.2 | 265.6 | 15,600 | 49.5 | 271.9 | 11,900 | | | | 185 |
| 190 | | | | 11.4 | 197.3 | 24,000* | 21.9 | 223.9 | 22,100 | 32.6 | 246.8 | 18,400 | 40.5 | 260.0 | 14,700 | 47.1 | 267.4 | 11,200 | | | | 190 |
| 195 | | | | | | | 16.3 | 209.1 | 21,000 | 29.0 | 238.3 | 17,500 | 37.7 | 253.7 | 13,900 | 44.6 | 262.5 | 10,500 | | | | 195 |
| 200 | | | | | | | 7.2 | 184.0 | 20,000 | 25.0 | 228.3 | 16,600 | 34.6 | 246.7 | 13,200 | 41.9 | 257.1 | 9,800 | | | | 200 |
| 205 | | | | | | | | | | 20.3 | 216.1 | 15,800 | 31.2 | 238.9 | 12,500 | 39.2 | 251.1 | 9,200 | 45.6 | 257.6 | 6,000 | 205 |
| 210 | | | | | | | | | | 14.1 | 199.4 | 14,900 | 27.5 | 229.8 | 11,800 | 36.2 | 244.6 | 8,600 | 43.0 | 252.4 | 5,500 | 210 |
| 215 | | | | | | | | | | | | | 23.3 | 219.1 | 11,100 | 33.0 | 237.2 | 8,000 | 40.3 | 246.7 | 5,000 | 215 |
| 220 | | | | | | | | | | | | | 18.1 | 205.5 | 10,400 | 29.5 | 228.8 | 7,500 | 37.4 | 240.3 | 4,600 | 220 |
| 225 | | | | | | | | | | | | | 10.7 | 185.4 | 9,700 | 25.6 | 219.0 | 6,900 | 34.3 | 233.3 | 4,100 | 225 |
| 230 | | | | | | | | | | | | | | | | 21.0 | 207.1 | 6,400 | | | | 230 |
| 235 | | | | | | | | | | | | | | | | 15.0 | 191.3 | 5,900 | | | | 235 |
| 240 | | | | | | | | | | | | | | | | 2.7 | 157.3 | 5,300 | | | | 240 |

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

DESIGNED AND TESTED
WITH THE INTENT TO BE
THE SCOPE OF ANSI B30.5

M-250 SERIES 2

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING**

155 FT. BOOM, 170 FT. JIB

| JIB OPER. RAD. FEET | 88 DEGREE BOOM ANGLE | | | 83 DEGREE BOOM ANGLE | | | 80 DEGREE BOOM ANGLE | | | 75 DEGREE BOOM ANGLE | | | 70 DEGREE BOOM ANGLE | | | 65 DEGREE BOOM ANGLE | | | JIB OPER. RAD. FEET |
|---------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|---------------------|
| | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | |
| 65 | 74.8 | 332.4 | 70,700* | | | | | | | | | | | | | | | | 65 |
| 70 | 73.0 | 330.9 | 68,600* | | | | | | | | | | | | | | | | 70 |
| 75 | 71.2 | 329.2 | 68,200* | | | | | | | | | | | | | | | | 75 |
| 80 | 69.5 | 327.4 | 65,700* | | | | | | | | | | | | | | | | 80 |
| 85 | 67.6 | 325.4 | 63,200* | | | | | | | | | | | | | | | | 85 |
| 90 | 65.8 | 323.2 | 60,900* | 70.8 | 327.1 | 65,900* | | | | | | | | | | | | | 90 |
| 95 | 63.9 | 320.8 | 58,700* | 69.0 | 325.2 | 63,900* | | | | | | | | | | | | | 95 |
| 100 | 62.0 | 318.2 | 55,700* | 67.2 | 323.2 | 62,700* | | | | | | | | | | | | | 100 |
| 105 | 60.1 | 315.4 | 52,700* | 65.3 | 320.9 | 59,000 | | | | | | | | | | | | | 105 |
| 110 | 58.1 | 312.3 | 49,600* | 63.5 | 318.5 | 55,300 | 66.5 | 320.8 | 51,200 | | | | | | | | | | 110 |
| 115 | 56.1 | 309.1 | 46,700* | 61.6 | 315.8 | 52,000 | 64.7 | 318.5 | 48,000 | | | | | | | | | | 115 |
| 120 | 54.0 | 305.5 | 43,800* | 59.6 | 313.0 | 49,000 | 62.8 | 315.9 | 45,200 | | | | | | | | | | 120 |
| 125 | 51.9 | 301.7 | 41,100* | 57.6 | 309.9 | 46,200 | 60.9 | 313.2 | 42,600 | | | | | | | | | | 125 |
| 130 | 49.7 | 297.5 | 38,500* | 55.6 | 306.5 | 43,600 | 58.9 | 310.3 | 40,200 | | | | | | | | | | 130 |
| 135 | 47.5 | 293.1 | 36,100* | 53.5 | 302.9 | 41,300 | 56.9 | 307.1 | 38,000 | 62.2 | 311.5 | 32,500 | | | | | | | 135 |
| 140 | 45.1 | 288.2 | 33,800* | 51.4 | 299.0 | 39,200 | 54.9 | 303.6 | 36,000 | 60.2 | 308.7 | 30,700 | | | | | | | 140 |
| 145 | 42.7 | 282.9 | 31,700* | 49.2 | 294.8 | 37,200 | 52.8 | 299.9 | 34,100 | 58.3 | 305.7 | 29,000 | | | | | | | 145 |
| 150 | 40.1 | 277.2 | 29,700* | 46.9 | 290.2 | 35,300 | 50.6 | 295.9 | 32,300 | 56.3 | 302.4 | 27,500 | | | | | | | 150 |
| 155 | 37.4 | 270.8 | 27,900* | 44.5 | 285.3 | 33,600 | 48.4 | 291.6 | 30,700 | 54.2 | 298.9 | 26,000 | | | | | | | 155 |
| 160 | 34.5 | 263.8 | 26,200* | 42.1 | 279.9 | 31,900 | 46.1 | 286.9 | 29,200 | 52.1 | 295.1 | 24,700 | 57.5 | 299.7 | 20,200 | | | | 160 |
| 165 | 31.3 | 256.0 | 24,600* | 39.4 | 274.0 | 30,400 | 43.6 | 281.7 | 27,800 | 49.9 | 290.9 | 23,400 | 55.5 | 296.3 | 19,100 | | | | 165 |
| 170 | 27.9 | 247.0 | 23,200* | 36.7 | 267.5 | 29,000 | 41.1 | 276.2 | 26,400 | 47.6 | 286.5 | 22,200 | 53.4 | 292.7 | 18,100 | | | | 170 |
| 175 | 24.0 | 236.5 | 21,800* | 33.7 | 260.3 | 27,700 | 38.5 | 270.1 | 25,200 | 45.3 | 281.7 | 21,100 | 51.2 | 288.7 | 17,100 | | | | 175 |
| 180 | 19.3 | 223.6 | 20,600* | 30.5 | 252.2 | 26,400* | 35.6 | 263.4 | 24,000 | 42.9 | 276.4 | 20,000 | 49.0 | 284.5 | 16,100 | | | | 180 |
| 185 | 13.1 | 205.9 | 19,500* | 27.0 | 242.9 | 25,000* | 32.6 | 255.9 | 22,900 | 40.3 | 270.7 | 19,000 | 46.7 | 279.9 | 15,200 | 52.3 | 284.9 | 11,600 | 185 |
| 190 | | | | 22.9 | 231.9 | 23,800* | 29.3 | 247.4 | 21,800 | 37.6 | 264.4 | 18,100 | 44.4 | 274.9 | 14,400 | 50.2 | 280.8 | 10,800 | 190 |
| 195 | | | | 18.0 | 218.2 | 22,600* | 25.6 | 237.6 | 20,800 | 34.7 | 257.5 | 17,200 | 41.9 | 269.5 | 13,600 | 47.9 | 276.4 | 10,100 | 195 |
| 200 | | | | 11.1 | 198.3 | 21,400* | 21.2 | 225.8 | 19,800 | 31.6 | 249.7 | 16,300 | 39.3 | 263.6 | 12,900 | 45.6 | 271.7 | 9,500 | 200 |
| 205 | | | | | | | 15.8 | 210.5 | 18,900 | 28.1 | 240.8 | 15,500 | 36.5 | 257.0 | 12,100 | 43.2 | 266.5 | 8,900 | 205 |
| 210 | | | | | | | 6.9 | 184.6 | 17,900 | 24.3 | 230.5 | 14,700 | 33.5 | 249.8 | 11,500 | 40.6 | 260.8 | 8,300 | 210 |
| 215 | | | | | | | | | | 19.7 | 217.8 | 14,000 | 30.3 | 241.6 | 10,800 | 37.9 | 254.6 | 7,700 | 215 |
| 220 | | | | | | | | | | 13.6 | 200.6 | 13,200 | 26.7 | 232.2 | 10,200 | 35.1 | 247.7 | 7,200 | 220 |
| 225 | | | | | | | | | | | | | 22.6 | 221.1 | 9,600 | 32.0 | 240.1 | 6,600 | 225 |
| 230 | | | | | | | | | | | | | 17.6 | 207.1 | 9,000 | 28.6 | 231.3 | 6,100 | 230 |
| 235 | | | | | | | | | | | | | 10.4 | 186.3 | 8,400 | 24.8 | 221.2 | 5,600 | 235 |
| 240 | | | | | | | | | | | | | | | | 20.3 | 208.9 | 5,100 | 240 |
| 245 | | | | | | | | | | | | | | | | 14.5 | 192.5 | 4,700 | 245 |
| 250 | | | | | | | | | | | | | | | | 2.6 | 157.5 | 4,100 | 250 |

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

DESIGNED AND TESTED
WITH THE INTENT TO BE
THE SCOPE OF ANSI B30.5

M-250 SERIES 2

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING**

155 FT. BOOM, 180 FT. JIB

| JIB OPER. RAD. FEET | 88 DEGREE BOOM ANGLE | | | 83 DEGREE BOOM ANGLE | | | 80 DEGREE BOOM ANGLE | | | 75 DEGREE BOOM ANGLE | | | 70 DEGREE BOOM ANGLE | | | 65 DEGREE BOOM ANGLE | | | JIB OPER. RAD. FEET |
|---------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|---------------------|
| | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | |
| 65 | 75.6 | 342.7 | 64,200* | | | | | | | | | | | | | | | | 65 |
| 70 | 74.0 | 341.3 | 63,500* | | | | | | | | | | | | | | | | 70 |
| 75 | 72.3 | 339.8 | 62,500* | | | | | | | | | | | | | | | | 75 |
| 80 | 70.6 | 338.1 | 61,500* | | | | | | | | | | | | | | | | 80 |
| 85 | 68.9 | 336.2 | 60,800* | | | | | | | | | | | | | | | | 85 |
| 90 | 67.2 | 334.1 | 58,400* | | | | | | | | | | | | | | | | 90 |
| 95 | 65.5 | 331.9 | 56,000* | 70.2 | 335.9 | 60,500* | | | | | | | | | | | | | 95 |
| 100 | 63.7 | 329.5 | 53,400* | 68.5 | 334.0 | 59,000* | | | | | | | | | | | | | 100 |
| 105 | 61.9 | 326.9 | 50,800* | 66.8 | 331.9 | 57,900* | | | | | | | | | | | | | 105 |
| 110 | 60.1 | 324.0 | 48,200* | 65.1 | 329.6 | 54,700 | 67.9 | 331.6 | 50,500 | | | | | | | | | | 110 |
| 115 | 58.2 | 321.0 | 45,500* | 63.3 | 327.2 | 51,400 | 66.2 | 329.5 | 47,300 | | | | | | | | | | 115 |
| 120 | 56.3 | 317.7 | 43,000* | 61.5 | 324.5 | 48,300 | 64.4 | 327.1 | 44,500 | | | | | | | | | | 120 |
| 125 | 54.4 | 314.2 | 40,500* | 59.6 | 321.6 | 45,600 | 62.6 | 324.6 | 41,900 | | | | | | | | | | 125 |
| 130 | 52.4 | 310.5 | 38,100* | 57.8 | 318.5 | 43,000 | 60.8 | 321.9 | 39,500 | | | | | | | | | | 130 |
| 135 | 50.3 | 306.4 | 35,800* | 55.9 | 315.2 | 40,700 | 59.0 | 318.9 | 37,300 | | | | | | | | | | 135 |
| 140 | 48.2 | 302.0 | 33,700* | 53.9 | 311.6 | 38,500 | 57.1 | 315.8 | 35,300 | 62.1 | 320.2 | 30,000 | | | | | | | 140 |
| 145 | 46.0 | 297.3 | 31,700* | 51.9 | 307.8 | 36,500 | 55.2 | 312.3 | 33,400 | 60.2 | 317.3 | 28,300 | | | | | | | 145 |
| 150 | 43.8 | 292.2 | 29,800* | 49.8 | 303.7 | 34,700 | 53.2 | 308.7 | 31,700 | 58.4 | 314.3 | 26,700 | | | | | | | 150 |
| 155 | 41.4 | 286.7 | 28,000* | 47.7 | 299.2 | 33,000 | 51.2 | 304.7 | 30,100 | 56.5 | 311.1 | 25,300 | | | | | | | 155 |
| 160 | 38.9 | 280.7 | 26,300* | 45.5 | 294.4 | 31,400 | 49.1 | 300.5 | 28,600 | 54.5 | 307.6 | 24,000 | | | | | | | 160 |
| 165 | 36.3 | 274.1 | 24,800* | 43.2 | 289.2 | 29,800 | 46.9 | 295.9 | 27,100 | 52.5 | 303.8 | 22,700 | 57.6 | 308.3 | 18,300 | | | | 165 |
| 170 | 33.5 | 266.8 | 23,300* | 40.8 | 283.6 | 28,400 | 44.7 | 291.0 | 25,800 | 50.5 | 299.8 | 21,500 | 55.7 | 305.0 | 17,300 | | | | 170 |
| 175 | 30.4 | 258.7 | 22,000* | 38.3 | 277.5 | 27,100 | 42.3 | 285.6 | 24,600 | 48.4 | 295.5 | 20,400 | 53.8 | 301.4 | 16,300 | | | | 175 |
| 180 | 27.1 | 249.4 | 20,700* | 35.6 | 270.7 | 25,800 | 39.9 | 279.8 | 23,400 | 46.2 | 290.8 | 19,300 | 51.7 | 297.5 | 15,400 | | | | 180 |
| 185 | 23.3 | 238.6 | 19,600* | 32.7 | 263.2 | 24,500* | 37.3 | 273.5 | 22,300 | 43.9 | 285.7 | 18,400 | 49.7 | 293.4 | 14,500 | | | | 185 |
| 190 | 18.7 | 225.3 | 18,500* | 29.6 | 254.8 | 23,300* | 34.6 | 266.5 | 21,200 | 41.6 | 280.2 | 17,400 | 47.5 | 288.9 | 13,700 | 52.8 | 293.7 | 10,000 | 190 |
| 195 | 12.7 | 207.0 | 17,500* | 26.2 | 245.2 | 22,100* | 31.6 | 258.7 | 20,200 | 39.1 | 274.3 | 16,500 | 45.3 | 284.1 | 12,900 | 50.8 | 289.7 | 9,400 | 195 |
| 200 | | | | 22.2 | 233.9 | 21,000* | 28.4 | 249.9 | 19,300 | 36.5 | 267.7 | 15,700 | 43.0 | 278.9 | 12,100 | 48.7 | 285.4 | 8,700 | 200 |
| 205 | | | | 17.5 | 219.7 | 19,900* | 24.8 | 239.7 | 18,400 | 33.7 | 260.5 | 14,900 | 40.6 | 273.2 | 11,400 | 46.5 | 280.8 | 8,100 | 205 |
| 210 | | | | 10.7 | 199.2 | 18,900* | 20.6 | 227.6 | 17,500 | 30.7 | 252.4 | 14,100 | 38.1 | 267.0 | 10,800 | 44.2 | 275.7 | 7,500 | 210 |
| 215 | | | | | | | 15.4 | 211.8 | 16,600 | 27.3 | 243.2 | 13,400 | 35.4 | 260.2 | 10,100 | 41.9 | 270.3 | 6,900 | 215 |
| 220 | | | | | | | 6.7 | 185.1 | 15,700 | 23.6 | 232.5 | 12,700 | 32.5 | 252.7 | 9,500 | 39.4 | 264.4 | 6,400 | 220 |
| 225 | | | | | | | | | | 19.1 | 219.5 | 12,000 | 29.4 | 244.2 | 8,900 | 36.8 | 257.9 | 5,900 | 225 |
| 230 | | | | | | | | | | 13.2 | 201.7 | 11,300 | 25.9 | 234.5 | 8,300 | 34.0 | 250.8 | 5,400 | 230 |
| 235 | | | | | | | | | | | | | 21.9 | 223.0 | 7,800 | 31.0 | 242.8 | 4,900 | 235 |
| 240 | | | | | | | | | | | | | 17.1 | 208.6 | 7,200 | 27.8 | 233.8 | 4,500 | 240 |
| 245 | | | | | | | | | | | | | 10.1 | 187.1 | 6,700 | 24.1 | 223.3 | 4,000 | 245 |

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

DESIGNED AND TESTED
WITH THE INTENT TO BE
THE SCOPE OF ANSI B30.5

M-250 SERIES 2

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING**

155 FT. BOOM, 190 FT. JIB

| JIB OPER. RAD. FEET | 88 DEGREE BOOM ANGLE | | | 83 DEGREE BOOM ANGLE | | | 80 DEGREE BOOM ANGLE | | | 75 DEGREE BOOM ANGLE | | | 70 DEGREE BOOM ANGLE | | | 65 DEGREE BOOM ANGLE | | | JIB OPER. RAD. FEET |
|---------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|---------------------|
| | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | |
| 70 | 74.9 | 351.7 | 57,600* | | | | | | | | | | | | | | | | 70 |
| 75 | 73.3 | 350.3 | 57,100* | | | | | | | | | | | | | | | | 75 |
| 80 | 71.7 | 348.6 | 56,800* | | | | | | | | | | | | | | | | 80 |
| 85 | 70.1 | 346.9 | 56,100* | | | | | | | | | | | | | | | | 85 |
| 90 | 68.5 | 345.0 | 55,000* | | | | | | | | | | | | | | | | 90 |
| 95 | 66.9 | 342.9 | 53,200* | | | | | | | | | | | | | | | | 95 |
| 100 | 65.2 | 340.6 | 51,100* | 69.7 | 344.7 | 54,100* | | | | | | | | | | | | | 100 |
| 105 | 63.5 | 338.2 | 49,000* | 68.1 | 342.8 | 53,100* | | | | | | | | | | | | | 105 |
| 110 | 61.8 | 335.5 | 46,700* | 66.5 | 340.6 | 52,000* | | | | | | | | | | | | | 110 |
| 115 | 60.1 | 332.7 | 44,500* | 64.8 | 338.3 | 50,800 | 67.5 | 340.4 | 46,700 | | | | | | | | | | 115 |
| 120 | 58.3 | 329.7 | 42,300* | 63.1 | 335.8 | 47,700 | 65.8 | 338.2 | 43,900 | | | | | | | | | | 120 |
| 125 | 56.5 | 326.4 | 40,000* | 61.4 | 333.2 | 45,000 | 64.2 | 335.8 | 41,300 | | | | | | | | | | 125 |
| 130 | 54.7 | 323.0 | 37,900* | 59.7 | 330.3 | 42,400 | 62.5 | 333.3 | 38,900 | | | | | | | | | | 130 |
| 135 | 52.8 | 319.2 | 35,800* | 57.9 | 327.2 | 40,100 | 60.8 | 330.5 | 36,700 | | | | | | | | | | 135 |
| 140 | 50.9 | 315.3 | 33,700* | 56.1 | 323.9 | 38,000 | 59.0 | 327.6 | 34,700 | | | | | | | | | | 140 |
| 145 | 48.9 | 311.0 | 31,800* | 54.2 | 320.4 | 36,000 | 57.2 | 324.4 | 32,800 | 61.9 | 328.8 | 27,700 | | | | | | | 145 |
| 150 | 46.9 | 306.4 | 30,000* | 52.3 | 316.6 | 34,100 | 55.4 | 321.0 | 31,100 | 60.2 | 326.0 | 26,100 | | | | | | | 150 |
| 155 | 44.7 | 301.5 | 28,300* | 50.4 | 312.5 | 32,400 | 53.6 | 317.4 | 29,500 | 58.5 | 323.0 | 24,700 | | | | | | | 155 |
| 160 | 42.5 | 296.2 | 26,600* | 48.4 | 308.2 | 30,800 | 51.6 | 313.6 | 28,000 | 56.7 | 319.8 | 23,300 | | | | | | | 160 |
| 165 | 40.2 | 290.4 | 25,100* | 46.3 | 303.5 | 29,300 | 49.7 | 309.4 | 26,600 | 54.8 | 316.3 | 22,100 | | | | | | | 165 |
| 170 | 37.8 | 284.2 | 23,700* | 44.2 | 298.5 | 27,900 | 47.7 | 304.9 | 25,300 | 53.0 | 312.6 | 20,900 | 57.8 | 317.0 | 16,600 | | | | 170 |
| 175 | 35.3 | 277.3 | 22,300* | 42.0 | 293.1 | 26,600 | 45.6 | 300.1 | 24,000 | 51.0 | 308.7 | 19,800 | 55.9 | 313.7 | 15,700 | | | | 175 |
| 180 | 32.5 | 269.8 | 21,100* | 39.7 | 287.2 | 25,300 | 43.4 | 295.0 | 22,800 | 49.0 | 304.4 | 18,800 | 54.1 | 310.1 | 14,700 | | | | 180 |
| 185 | 29.6 | 261.3 | 19,900* | 37.2 | 280.8 | 24,100 | 41.2 | 289.4 | 21,700 | 47.0 | 299.8 | 17,800 | 52.2 | 306.3 | 13,900 | | | | 185 |
| 190 | 26.3 | 251.8 | 18,800* | 34.6 | 273.8 | 23,000* | 38.8 | 283.4 | 20,700 | 44.9 | 294.9 | 16,800 | 50.3 | 302.3 | 13,100 | | | | 190 |
| 195 | 22.6 | 240.6 | 17,800* | 31.8 | 266.1 | 21,800* | 36.3 | 276.8 | 19,700 | 42.7 | 289.7 | 16,000 | 48.3 | 297.9 | 12,300 | | | | 195 |
| 200 | 18.2 | 226.9 | 16,800* | 28.8 | 257.4 | 20,600* | 33.6 | 269.5 | 18,800 | 40.4 | 283.9 | 15,100 | 46.2 | 293.2 | 11,500 | 51.3 | 298.5 | 8,100 | 200 |
| 205 | 12.4 | 208.1 | 16,000* | 25.5 | 247.5 | 19,600* | 30.8 | 261.5 | 17,900 | 38.0 | 277.7 | 14,300 | 44.0 | 288.2 | 10,800 | 49.3 | 294.3 | 7,500 | 205 |
| 210 | | | | 21.6 | 235.8 | 18,600* | 27.6 | 252.4 | 17,000 | 35.5 | 270.9 | 13,600 | 41.8 | 282.7 | 10,200 | 47.3 | 289.8 | 6,900 | 210 |
| 215 | | | | 17.0 | 221.2 | 17,600* | 24.1 | 241.9 | 16,200 | 32.7 | 263.4 | 12,800 | 39.5 | 276.8 | 9,500 | 45.2 | 284.9 | 6,300 | 215 |
| 220 | | | | 10.4 | 200.1 | 16,700* | 20.1 | 229.3 | 15,400 | 29.8 | 255.1 | 12,100 | 37.0 | 270.4 | 8,900 | 43.0 | 279.7 | 5,800 | 220 |
| 225 | | | | | | | 14.9 | 213.1 | 14,600 | 26.6 | 245.6 | 11,500 | 34.4 | 263.3 | 8,300 | 40.7 | 274.0 | 5,300 | 225 |
| 230 | | | | | | | 6.5 | 185.7 | 13,800 | 22.9 | 234.5 | 10,800 | 31.6 | 255.5 | 7,800 | 38.3 | 267.9 | 4,800 | 230 |
| 235 | | | | | | | | | | 18.6 | 221.1 | 10,200 | 28.6 | 246.8 | 7,200 | 35.8 | 261.2 | 4,300 | 235 |
| 240 | | | | | | | | | | 12.9 | 202.9 | 9,600 | 25.2 | 236.7 | 6,700 | | | | 240 |
| 245 | | | | | | | | | | | | | 21.3 | 224.9 | 6,200 | | | | 245 |
| 250 | | | | | | | | | | | | | 16.6 | 210.0 | 5,700 | | | | 250 |
| 255 | | | | | | | | | | | | | 9.8 | 188.0 | 5,200 | | | | 255 |

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

DESIGNED AND TESTED
WITH THE INTENT TO BE
THE SCOPE OF ANSI B30.5

M-250 SERIES 2

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING**

155 FT. BOOM, 200 FT. JIB

| JIB OPER. RAD. FEET | 88 DEGREE BOOM ANGLE | | | 83 DEGREE BOOM ANGLE | | | 80 DEGREE BOOM ANGLE | | | 75 DEGREE BOOM ANGLE | | | 70 DEGREE BOOM ANGLE | | | 65 DEGREE BOOM ANGLE | | | JIB OPER. RAD. FEET |
|---------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|---------------------|
| | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | |
| 70 | 75.6 | 362.1 | 52,100* | | | | | | | | | | | | | | | | 70 |
| 75 | 74.1 | 360.7 | 51,100* | | | | | | | | | | | | | | | | 75 |
| 80 | 72.7 | 359.2 | 50,800* | | | | | | | | | | | | | | | | 80 |
| 85 | 71.1 | 357.5 | 50,500* | | | | | | | | | | | | | | | | 85 |
| 90 | 69.6 | 355.7 | 50,300* | | | | | | | | | | | | | | | | 90 |
| 95 | 68.1 | 353.7 | 50,000* | | | | | | | | | | | | | | | | 95 |
| 100 | 66.5 | 351.6 | 48,300* | 70.8 | 355.4 | 50,800* | | | | | | | | | | | | | 100 |
| 105 | 64.9 | 349.3 | 46,500* | 69.2 | 353.5 | 50,400* | | | | | | | | | | | | | 105 |
| 110 | 63.3 | 346.8 | 44,600* | 67.7 | 351.5 | 50,100* | | | | | | | | | | | | | 110 |
| 115 | 61.7 | 344.2 | 42,700* | 66.1 | 349.3 | 49,400* | | | | | | | | | | | | | 115 |
| 120 | 60.1 | 341.4 | 40,800* | 64.6 | 347.0 | 47,100 | 67.1 | 349.1 | 43,200 | | | | | | | | | | 120 |
| 125 | 58.4 | 338.3 | 38,900* | 63.0 | 344.5 | 44,300 | 65.6 | 346.9 | 40,600 | | | | | | | | | | 125 |
| 130 | 56.7 | 335.1 | 36,900* | 61.3 | 341.8 | 41,800 | 64.0 | 344.5 | 38,200 | | | | | | | | | | 130 |
| 135 | 55.0 | 331.7 | 35,000* | 59.7 | 338.9 | 39,500 | 62.4 | 341.9 | 36,000 | | | | | | | | | | 135 |
| 140 | 53.2 | 328.0 | 33,200* | 58.0 | 335.9 | 37,300 | 60.7 | 339.2 | 34,000 | | | | | | | | | | 140 |
| 145 | 51.4 | 324.1 | 31,400* | 56.3 | 332.6 | 35,400 | 59.1 | 336.2 | 32,200 | | | | | | | | | | 145 |
| 150 | 49.5 | 319.9 | 29,700* | 54.5 | 329.1 | 33,500 | 57.4 | 333.1 | 30,400 | 61.8 | 337.5 | 25,400 | | | | | | | 150 |
| 155 | 47.6 | 315.4 | 28,100* | 52.7 | 325.4 | 31,800 | 55.7 | 329.8 | 28,800 | 60.2 | 334.7 | 23,900 | | | | | | | 155 |
| 160 | 45.6 | 310.6 | 26,500* | 50.9 | 321.4 | 30,200 | 53.9 | 326.2 | 27,300 | 58.5 | 331.7 | 22,600 | | | | | | | 160 |
| 165 | 43.5 | 305.5 | 25,100* | 49.0 | 317.1 | 28,700 | 52.1 | 322.4 | 25,900 | 56.8 | 328.5 | 21,400 | | | | | | | 165 |
| 170 | 41.4 | 300.0 | 23,700* | 47.1 | 312.6 | 27,300 | 50.2 | 318.3 | 24,600 | 55.1 | 325.0 | 20,200 | | | | | | | 170 |
| 175 | 39.2 | 294.0 | 22,400* | 45.1 | 307.7 | 26,000 | 48.3 | 313.9 | 23,400 | 53.3 | 321.4 | 19,100 | 57.9 | 325.7 | 14,900 | | | | 175 |
| 180 | 36.8 | 287.5 | 21,100* | 43.0 | 302.5 | 24,700 | 46.4 | 309.2 | 22,200 | 51.5 | 317.5 | 18,000 | 56.2 | 322.4 | 14,000 | | | | 180 |
| 185 | 34.3 | 280.4 | 20,000* | 40.9 | 296.8 | 23,600 | 44.4 | 304.2 | 21,100 | 49.6 | 313.3 | 17,100 | 54.4 | 318.9 | 13,100 | | | | 185 |
| 190 | 31.7 | 272.6 | 18,900* | 38.6 | 290.7 | 22,400* | 42.2 | 298.9 | 20,100 | 47.7 | 308.9 | 16,100 | 52.6 | 315.1 | 12,300 | | | | 190 |
| 195 | 28.8 | 263.9 | 17,900* | 36.2 | 284.1 | 21,200* | 40.1 | 293.1 | 19,100 | 45.7 | 304.1 | 15,300 | 50.8 | 311.1 | 11,500 | | | | 195 |
| 200 | 25.6 | 254.0 | 16,900* | 33.7 | 276.9 | 20,100* | 37.8 | 286.8 | 18,100 | 43.7 | 299.0 | 14,400 | 48.9 | 306.8 | 10,800 | | | | 200 |
| 205 | 22.0 | 242.5 | 16,000* | 31.0 | 268.9 | 19,000* | 35.3 | 280.0 | 17,300 | 41.6 | 293.5 | 13,600 | 47.0 | 302.3 | 10,100 | 51.7 | 307.3 | 6,700 | 205 |
| 210 | 17.8 | 228.4 | 15,200* | 28.1 | 259.9 | 18,000* | 32.7 | 272.5 | 16,400 | 39.3 | 287.5 | 12,900 | 44.9 | 297.4 | 9,400 | 49.9 | 303.2 | 6,100 | 210 |
| 215 | 12.0 | 209.1 | 14,200* | 24.8 | 249.7 | 17,100* | 30.0 | 264.1 | 15,600 | 37.0 | 281.1 | 12,200 | 42.9 | 292.1 | 8,800 | 48.0 | 298.8 | 5,500 | 215 |
| 220 | | | | 21.1 | 237.7 | 16,200* | 26.9 | 254.8 | 14,800 | 34.5 | 274.0 | 11,500 | 40.7 | 286.4 | 8,200 | 46.0 | 294.1 | 5,000 | 220 |
| 225 | | | | 16.5 | 222.7 | 15,300* | 23.5 | 244.0 | 14,100 | 31.9 | 266.3 | 10,800 | 38.4 | 280.3 | 7,600 | 44.0 | 289.0 | 4,500 | 225 |
| 230 | | | | 10.2 | 201.0 | 14,500* | 19.5 | 231.0 | 13,300 | 29.0 | 257.7 | 10,200 | 36.0 | 273.6 | 7,100 | 41.8 | 283.5 | 4,100 | 230 |
| 235 | | | | | | | 14.5 | 214.3 | 12,600 | 25.9 | 247.9 | 9,600 | 33.5 | 266.3 | 6,600 | | | | 235 |
| 240 | | | | | | | 6.4 | 186.2 | 11,900 | 22.3 | 236.5 | 9,000 | 30.8 | 258.3 | 6,000 | | | | 240 |
| 245 | | | | | | | | | | 18.1 | 222.7 | 8,400 | 27.8 | 249.2 | 5,600 | | | | 245 |
| 250 | | | | | | | | | | 12.5 | 203.9 | 7,800 | 24.5 | 238.9 | 5,100 | | | | 250 |
| 255 | | | | | | | | | | | | | 20.8 | 226.7 | 4,600 | | | | 255 |
| 260 | | | | | | | | | | | | | 16.2 | 211.4 | 4,100 | | | | 260 |

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

DESIGNED AND TESTED
WITH THE INTENT TO BE
THE SCOPE OF ANSI B30.5

M-250 SERIES 2

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING**

165 FT. BOOM, 70 FT. JIB

| JIB OPER. RAD. FEET | 88 DEGREE BOOM ANGLE | | | 83 DEGREE BOOM ANGLE | | | 80 DEGREE BOOM ANGLE | | | 75 DEGREE BOOM ANGLE | | | 70 DEGREE BOOM ANGLE | | | 65 DEGREE BOOM ANGLE | | | 60 DEGREE BOOM ANGLE | | | JIB OPER. RAD. FEET |
|------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|------------------------------|
| | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | |
| 50 | 65.2 | 241.7 | 114,900*b | | | | | | | | | | | | | | | | | | | 50 |
| 55 | 60.6 | 239.0 | 108,400*b | | | | | | | | | | | | | | | | | | | 55 |
| 60 | 55.7 | 235.7 | 102,600*b | | | | | | | | | | | | | | | | | | | 60 |
| 65 | 50.5 | 231.8 | 97,300*b | 64.9 | 239.7 | 111,300*b | | | | | | | | | | | | | | | | 65 |
| 70 | 44.9 | 227.1 | 92,500* | 60.2 | 237.0 | 105,400*b | | | | | | | | | | | | | | | | 70 |
| 75 | 38.6 | 221.3 | 88,200* | 55.3 | 233.7 | 100,000*b | 63.7 | 237.4 | 104,300b | | | | | | | | | | | | | 75 |
| 80 | 31.2 | 213.8 | 83,900* | 50.1 | 229.8 | 95,100* | 59.0 | 234.5 | 96,200b | | | | | | | | | | | | | 80 |
| 85 | 21.7 | 203.3 | 76,500* | 44.5 | 225.0 | 90,600* | 54.0 | 231.1 | 89,200b | | | | | | | | | | | | | 85 |
| 90 | | | | 38.1 | 219.1 | 86,400* | 48.7 | 226.9 | 83,100 | 63.0 | 233.2 | 76,900b | | | | | | | | | | 90 |
| 95 | | | | 30.7 | 211.5 | 81,100 | 42.9 | 221.9 | 77,700 | 58.3 | 230.3 | 71,900b | | | | | | | | | | 95 |
| 100 | | | | 20.9 | 200.6 | 76,000 | 36.3 | 215.6 | 72,800 | 53.3 | 226.7 | 67,400b | | | | | | | | | | 100 |
| 105 | | | | | | | 28.4 | 207.4 | 68,500 | 47.9 | 222.5 | 63,400 | | | | | | | | | | 105 |
| 110 | | | | | | | 17.4 | 194.9 | 64,500 | 42.0 | 217.3 | 59,800 | 57.2 | 224.5 | 55,000b | | | | | | | 110 |
| 115 | | | | | | | | | | 35.2 | 210.7 | 56,500 | 52.1 | 220.8 | 52,000b | | | | | | | 115 |
| 120 | | | | | | | | | | 27.1 | 202.1 | 53,500 | 46.6 | 216.4 | 49,300 | | | | | | | 120 |
| 125 | | | | | | | | | | 15.1 | 188.4 | 50,700 | 40.5 | 210.9 | 46,800 | | | | | | | 125 |
| 130 | | | | | | | | | | | | | 33.6 | 204.0 | 44,400 | 50.4 | 213.3 | 40,600 | | | | 130 |
| 135 | | | | | | | | | | | | | 24.9 | 194.7 | 42,300 | 44.7 | 208.5 | 38,700 | | | | 135 |
| 140 | | | | | | | | | | | | | 10.6 | 178.0 | 40,200 | 38.4 | 202.6 | 36,900 | | | | 140 |
| 145 | | | | | | | | | | | | | | | | 31.0 | 195.1 | 35,200 | 47.9 | 203.9 | 31,900 | 145 |
| 150 | | | | | | | | | | | | | | | | 21.4 | 184.5 | 33,500 | 42.0 | 198.7 | 30,500 | 150 |
| 155 | | | | | | | | | | | | | | | | | | | 35.3 | 192.2 | 29,100 | 155 |
| 160 | | | | | | | | | | | | | | | | | | | 27.2 | 183.6 | 27,800 | 160 |
| 165 | | | | | | | | | | | | | | | | | | | 15.3 | 170.0 | 26,600 | 165 |

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

DESIGNED AND TESTED
WITH THE INTENT TO BE
THE SCOPE OF ANSI B30.5

M-250 SERIES 2

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING**

165 FT. BOOM, 80 FT. JIB

| JIB OPER. RAD. FEET | 88 DEGREE BOOM ANGLE | | | 83 DEGREE BOOM ANGLE | | | 80 DEGREE BOOM ANGLE | | | 75 DEGREE BOOM ANGLE | | | 70 DEGREE BOOM ANGLE | | | 65 DEGREE BOOM ANGLE | | | 60 DEGREE BOOM ANGLE | | | JIB OPER. RAD. FEET |
|---------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|---------------------|
| | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | |
| 50 | 68.5 | 252.6 | 111,500*b | | | | | | | | | | | | | | | | | | | 50 |
| 55 | 64.6 | 250.3 | 105,400*b | | | | | | | | | | | | | | | | | | | 55 |
| 60 | 60.5 | 247.6 | 99,800*b | | | | | | | | | | | | | | | | | | | 60 |
| 65 | 56.2 | 244.5 | 94,700* | 68.2 | 250.7 | 108,100*b | | | | | | | | | | | | | | | | 65 |
| 70 | 51.8 | 240.7 | 90,000* | 64.3 | 248.4 | 102,600*b | | | | | | | | | | | | | | | | 70 |
| 75 | 47.0 | 236.3 | 85,800* | 60.2 | 245.7 | 97,400*b | 67.2 | 248.5 | 103,700b | | | | | | | | | | | | | 75 |
| 80 | 41.8 | 231.0 | 81,900* | 55.9 | 242.4 | 92,700* | 63.2 | 246.1 | 95,700b | | | | | | | | | | | | | 80 |
| 85 | 35.9 | 224.6 | 76,800* | 51.4 | 238.6 | 88,300* | 59.1 | 243.2 | 88,700b | | | | | | | | | | | | | 85 |
| 90 | 29.1 | 216.4 | 70,500* | 46.6 | 234.2 | 84,300* | 54.8 | 239.8 | 82,600 | | | | | | | | | | | | | 90 |
| 95 | 20.2 | 205.1 | 64,400* | 41.4 | 228.8 | 80,700 | 50.2 | 235.9 | 77,200 | 62.6 | 241.9 | 71,200b | | | | | | | | | | 95 |
| 100 | | | | 35.5 | 222.3 | 75,700 | 45.3 | 231.2 | 72,400 | 58.5 | 238.9 | 66,800b | | | | | | | | | | 100 |
| 105 | | | | 28.6 | 214.0 | 70,100* | 39.9 | 225.6 | 68,100 | 54.1 | 235.5 | 62,800 | | | | | | | | | | 105 |
| 110 | | | | 19.4 | 202.3 | 64,700* | 33.8 | 218.7 | 64,200 | 49.5 | 231.4 | 59,200 | | | | | | | | | | 110 |
| 115 | | | | | | | 26.5 | 209.7 | 60,600 | 44.5 | 226.6 | 56,000 | 57.5 | 233.2 | 51,300 | | | | | | | 115 |
| 120 | | | | | | | 16.2 | 196.3 | 57,400 | 39.1 | 220.8 | 53,000 | 53.1 | 229.6 | 48,600 | | | | | | | 120 |
| 125 | | | | | | | | | | 32.8 | 213.7 | 50,300 | 48.4 | 225.4 | 46,100 | | | | | | | 125 |
| 130 | | | | | | | | | | 25.2 | 204.3 | 47,800 | 43.4 | 220.4 | 43,900 | | | | | | | 130 |
| 135 | | | | | | | | | | 14.1 | 189.6 | 45,400 | 37.8 | 214.4 | 41,700 | 51.6 | 222.1 | 38,000 | | | | 135 |
| 140 | | | | | | | | | | | | | 31.3 | 206.8 | 39,800 | 46.8 | 217.7 | 36,200 | | | | 140 |
| 145 | | | | | | | | | | | | | 23.2 | 196.7 | 37,900 | 41.6 | 212.4 | 34,500 | | | | 145 |
| 150 | | | | | | | | | | | | | 9.8 | 178.8 | 36,100 | 35.8 | 205.9 | 33,000 | | | | 150 |
| 155 | | | | | | | | | | | | | | | | 28.9 | 197.7 | 31,500 | 44.6 | 208.1 | 28,400 | 155 |
| 160 | | | | | | | | | | | | | | | | 19.9 | 186.2 | 30,100 | 39.1 | 202.3 | 27,200 | 160 |
| 165 | | | | | | | | | | | | | | | | | | | 32.9 | 195.2 | 26,000 | 165 |
| 170 | | | | | | | | | | | | | | | | | | | 25.3 | 185.9 | 24,900 | 170 |
| 175 | | | | | | | | | | | | | | | | | | | 14.2 | 171.2 | 23,800 | 175 |

MANITOWOC ENGINEERING CO.

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



LIFT CRANE LUFFING JIB CAPACITIES

DESIGNED AND TESTED
WITH THE INTENT TO BE
THE SCOPE OF ANSI B30.5

M-250 SERIES 2

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING**

165 FT. BOOM, 90 FT. JIB

| JIB OPER. RAD. FEET | 88 DEGREE BOOM ANGLE | | | 83 DEGREE BOOM ANGLE | | | 80 DEGREE BOOM ANGLE | | | 75 DEGREE BOOM ANGLE | | | 70 DEGREE BOOM ANGLE | | | 65 DEGREE BOOM ANGLE | | | 60 DEGREE BOOM ANGLE | | | JIB OPER. RAD. FEET |
|------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|------------------------------|
| | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | |
| 50 | 71.0 | 263.3 | 108,300*b | | | | | | | | | | | | | | | | | | | 50 |
| 55 | 67.6 | 261.4 | 102,500*b | | | | | | | | | | | | | | | | | | | 55 |
| 60 | 64.1 | 259.0 | 97,200*b | | | | | | | | | | | | | | | | | | | 60 |
| 65 | 60.4 | 256.3 | 92,300* | 70.8 | 261.4 | 105,100*b | | | | | | | | | | | | | | | | 65 |
| 70 | 56.7 | 253.1 | 87,900* | 67.3 | 259.4 | 99,900*b | | | | | | | | | | | | | | | | 70 |
| 75 | 52.7 | 249.5 | 83,800* | 63.8 | 257.1 | 95,100*b | | | | | | | | | | | | | | | | 75 |
| 80 | 48.6 | 245.3 | 80,000* | 60.2 | 254.3 | 89,600 | 66.4 | 257.2 | 83,700b | | | | | | | | | | | | | 80 |
| 85 | 44.1 | 240.4 | 76,500* | 56.4 | 251.1 | 82,800 | 62.9 | 254.7 | 77,400b | | | | | | | | | | | | | 85 |
| 90 | 39.2 | 234.6 | 70,400* | 52.5 | 247.4 | 76,900 | 59.2 | 251.9 | 71,800 | | | | | | | | | | | | | 90 |
| 95 | 33.8 | 227.6 | 64,200* | 48.3 | 243.2 | 71,600 | 55.4 | 248.5 | 66,900 | | | | | | | | | | | | | 95 |
| 100 | 27.4 | 218.9 | 58,700* | 43.8 | 238.2 | 67,000 | 51.4 | 244.7 | 62,500 | 62.3 | 250.5 | 55,000 | | | | | | | | | | 100 |
| 105 | 19.0 | 206.7 | 53,900* | 38.9 | 232.4 | 62,800 | 47.1 | 240.3 | 58,600 | 58.7 | 247.6 | 51,500 | | | | | | | | | | 105 |
| 110 | | | | 33.4 | 225.3 | 59,000 | 42.5 | 235.1 | 55,000 | 54.8 | 244.2 | 48,400 | | | | | | | | | | 110 |
| 115 | | | | 26.9 | 216.4 | 55,600 | 37.5 | 229.0 | 51,800 | 50.8 | 240.3 | 45,500 | | | | | | | | | | 115 |
| 120 | | | | 18.3 | 203.9 | 52,400 | 31.8 | 221.5 | 48,900 | 46.5 | 235.8 | 42,900 | 57.8 | 241.9 | 37,000 | | | | | | | 120 |
| 125 | | | | | | | 24.9 | 211.9 | 46,200 | 41.8 | 230.5 | 40,500 | 53.9 | 238.4 | 34,900 | | | | | | | 125 |
| 130 | | | | | | | 15.2 | 197.6 | 43,700 | 36.7 | 224.2 | 38,300 | 49.8 | 234.3 | 33,000 | | | | | | | 130 |
| 135 | | | | | | | | | | 30.9 | 216.5 | 36,300 | 45.5 | 229.6 | 31,200 | | | | | | | 135 |
| 140 | | | | | | | | | | 23.7 | 206.4 | 34,400 | 40.7 | 224.1 | 29,500 | 52.6 | 230.9 | 24,700 | | | | 140 |
| 145 | | | | | | | | | | 13.2 | 190.7 | 32,500 | 35.5 | 217.6 | 28,000 | 48.5 | 226.7 | 23,300 | | | | 145 |
| 150 | | | | | | | | | | | | | 29.4 | 209.4 | 26,500 | 44.0 | 221.7 | 22,100 | | | | 150 |
| 155 | | | | | | | | | | | | | 21.8 | 198.6 | 25,100 | 39.1 | 215.9 | 20,900 | | | | 155 |
| 160 | | | | | | | | | | | | | 9.2 | 179.5 | 23,700 | 33.6 | 208.9 | 19,800 | 46.5 | 217.2 | 15,800 | 160 |
| 165 | | | | | | | | | | | | | | | | 27.2 | 200.1 | 18,700 | 41.9 | 211.9 | 14,900 | 165 |
| 170 | | | | | | | | | | | | | | | | 18.7 | 187.8 | 17,700 | 36.8 | 205.7 | 14,100 | 170 |
| 175 | | | | | | | | | | | | | | | | | | | 30.9 | 198.0 | 13,300 | 175 |
| 180 | | | | | | | | | | | | | | | | | | | 23.8 | 188.0 | 12,500 | 180 |
| 185 | | | | | | | | | | | | | | | | | | | 13.4 | 172.3 | 11,700 | 185 |

MANITOWOC ENGINEERING CO.

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LIFTCRANE LUFFING JIB CAPACITIES

DESIGNED AND TESTED
WITH THE INTENT TO BE
THE SCOPE OF ANSI B30.5

M-250 SERIES 2

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING**

165 FT. BOOM, 100 FT. JIB

| JIB OPER. RAD. FEET | 88 DEGREE BOOM ANGLE | | | 83 DEGREE BOOM ANGLE | | | 80 DEGREE BOOM ANGLE | | | 75 DEGREE BOOM ANGLE | | | 70 DEGREE BOOM ANGLE | | | 65 DEGREE BOOM ANGLE | | | 60 DEGREE BOOM ANGLE | | | JIB OPER. RAD. FEET |
|------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|------------------------------|
| | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | |
| 50 | 73.0 | 273.9 | 104,800*b | | | | | | | | | | | | | | | | | | | 50 |
| 55 | 69.9 | 272.1 | 99,400*b | | | | | | | | | | | | | | | | | | | 55 |
| 60 | 66.8 | 270.1 | 94,400*b | | | | | | | | | | | | | | | | | | | 60 |
| 65 | 63.7 | 267.7 | 89,800* | | | | | | | | | | | | | | | | | | | 65 |
| 70 | 60.4 | 265.0 | 85,500* | 69.7 | 270.2 | 97,000*b | | | | | | | | | | | | | | | | 70 |
| 75 | 57.0 | 261.8 | 81,600* | 66.6 | 268.2 | 92,500*b | | | | | | | | | | | | | | | | 75 |
| 80 | 53.5 | 258.3 | 77,900* | 63.4 | 265.7 | 88,200* | | | | | | | | | | | | | | | | 80 |
| 85 | 49.8 | 254.2 | 74,600* | 60.2 | 263.0 | 82,100 | 65.8 | 265.9 | 76,500 | | | | | | | | | | | | | 85 |
| 90 | 45.9 | 249.6 | 69,900* | 56.8 | 259.8 | 76,200 | 62.6 | 263.4 | 71,000 | | | | | | | | | | | | | 90 |
| 95 | 41.7 | 244.2 | 64,000* | 53.2 | 256.2 | 71,000 | 59.3 | 260.5 | 66,100 | | | | | | | | | | | | | 95 |
| 100 | 37.1 | 238.0 | 58,600* | 49.5 | 252.1 | 66,300 | 55.9 | 257.3 | 61,700 | | | | | | | | | | | | | 100 |
| 105 | 32.0 | 230.5 | 53,700* | 45.6 | 247.4 | 62,200 | 52.3 | 253.5 | 57,900 | 62.1 | 259.2 | 50,600 | | | | | | | | | | 105 |
| 110 | 25.9 | 221.2 | 49,400* | 41.4 | 242.0 | 58,500 | 48.5 | 249.3 | 54,300 | 58.8 | 256.3 | 47,500 | | | | | | | | | | 110 |
| 115 | 18.0 | 208.3 | 45,700* | 36.8 | 235.7 | 55,100 | 44.5 | 244.4 | 51,200 | 55.4 | 252.9 | 44,700 | | | | | | | | | | 115 |
| 120 | | | | 31.6 | 228.1 | 52,000 | 40.2 | 238.8 | 48,300 | 51.8 | 249.1 | 42,100 | | | | | | | | | | 120 |
| 125 | | | | 25.4 | 218.6 | 49,100 | 35.5 | 232.2 | 45,600 | 48.0 | 244.8 | 39,800 | 58.0 | 250.5 | 34,000 | | | | | | | 125 |
| 130 | | | | 17.3 | 205.3 | 46,400 | 30.1 | 224.2 | 43,200 | 43.9 | 239.9 | 37,600 | 54.6 | 247.1 | 32,100 | | | | | | | 130 |
| 135 | | | | | | | 23.6 | 214.0 | 40,900 | 39.6 | 234.1 | 35,600 | 50.9 | 243.2 | 30,300 | | | | | | | 135 |
| 140 | | | | | | | 14.4 | 198.8 | 38,700 | 34.7 | 227.3 | 33,700 | 47.1 | 238.7 | 28,700 | | | | | | | 140 |
| 145 | | | | | | | | | | 29.2 | 219.1 | 32,000 | 43.0 | 233.6 | 27,200 | | | | | | | 145 |
| 150 | | | | | | | | | | 22.4 | 208.4 | 30,300 | 38.5 | 227.7 | 25,700 | 49.7 | 235.6 | 21,200 | | | | 150 |
| 155 | | | | | | | | | | 12.5 | 191.8 | 28,700 | 33.6 | 220.6 | 24,400 | 45.8 | 231.0 | 20,000 | | | | 155 |
| 160 | | | | | | | | | | | | | 27.8 | 211.9 | 23,100 | 41.6 | 225.6 | 18,900 | | | | 160 |
| 165 | | | | | | | | | | | | | 20.6 | 200.4 | 21,900 | 37.0 | 219.3 | 17,900 | 48.0 | 226.3 | 14,000 | 165 |
| 170 | | | | | | | | | | | | | 8.7 | 180.3 | 20,700 | 31.8 | 211.8 | 17,000 | 44.0 | 221.3 | 13,100 | 170 |
| 175 | | | | | | | | | | | | | | | | 25.7 | 202.4 | 16,000 | 39.6 | 215.6 | 12,400 | 175 |
| 180 | | | | | | | | | | | | | | | | 17.7 | 189.4 | 15,100 | 34.8 | 208.8 | 11,600 | 180 |
| 185 | | | | | | | | | | | | | | | | | | | 29.3 | 200.6 | 10,900 | 185 |
| 190 | | | | | | | | | | | | | | | | | | | 22.5 | 189.9 | 10,200 | 190 |
| 195 | | | | | | | | | | | | | | | | | | | 12.6 | 173.4 | 9,500 | 195 |

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LIFTCRANE LUFFING JIB CAPACITIES

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WITH THE INTENT TO BE
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M-250 SERIES 2

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING**

165 FT. BOOM, 110 FT. JIB

| JIB OPER. RAD. FEET | 88 DEGREE BOOM ANGLE | | | 83 DEGREE BOOM ANGLE | | | 80 DEGREE BOOM ANGLE | | | 75 DEGREE BOOM ANGLE | | | 70 DEGREE BOOM ANGLE | | | 65 DEGREE BOOM ANGLE | | | 60 DEGREE BOOM ANGLE | | | JIB OPER. RAD. FEET |
|---------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|---------------------|
| | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | |
| 50 | 74.6 | 284.3 | 101,600* | | | | | | | | | | | | | | | | | | | 50 |
| 55 | 71.8 | 282.8 | 96,600* | | | | | | | | | | | | | | | | | | | 55 |
| 60 | 69.1 | 280.9 | 92,000* | | | | | | | | | | | | | | | | | | | 60 |
| 65 | 66.2 | 278.8 | 87,600* | | | | | | | | | | | | | | | | | | | 65 |
| 70 | 63.3 | 276.4 | 83,500* | | | | | | | | | | | | | | | | | | | 70 |
| 75 | 60.4 | 273.6 | 79,700* | 68.9 | 279.0 | 90,100* | | | | | | | | | | | | | | | | 75 |
| 80 | 57.3 | 270.5 | 76,200* | 66.0 | 276.9 | 86,100* | | | | | | | | | | | | | | | | 80 |
| 85 | 54.1 | 267.0 | 73,000* | 63.1 | 274.4 | 81,500 | | | | | | | | | | | | | | | | 85 |
| 90 | 50.8 | 263.1 | 69,300* | 60.1 | 271.6 | 75,600 | 65.3 | 274.6 | 70,300 | | | | | | | | | | | | | 90 |
| 95 | 47.3 | 258.6 | 63,600* | 57.1 | 268.5 | 70,400 | 62.4 | 272.1 | 65,400 | | | | | | | | | | | | | 95 |
| 100 | 43.6 | 253.6 | 58,500* | 53.9 | 265.0 | 65,700 | 59.4 | 269.2 | 61,100 | | | | | | | | | | | | | 100 |
| 105 | 39.6 | 247.8 | 53,800* | 50.6 | 261.0 | 61,600 | 56.3 | 266.0 | 57,200 | | | | | | | | | | | | | 105 |
| 110 | 35.3 | 241.2 | 49,600* | 47.1 | 256.5 | 57,900 | 53.0 | 262.3 | 53,700 | 61.9 | 267.9 | 46,800 | | | | | | | | | | 110 |
| 115 | 30.4 | 233.2 | 45,700* | 43.4 | 251.5 | 54,500 | 49.7 | 258.2 | 50,600 | 58.9 | 264.9 | 44,000 | | | | | | | | | | 115 |
| 120 | 24.6 | 223.3 | 42,300* | 39.4 | 245.6 | 51,400 | 46.1 | 253.6 | 47,700 | 55.8 | 261.7 | 41,400 | | | | | | | | | | 120 |
| 125 | 17.1 | 209.7 | 39,400* | 35.0 | 238.9 | 48,600 | 42.3 | 248.3 | 45,000 | 52.5 | 258.0 | 39,100 | | | | | | | | | | 125 |
| 130 | | | | 30.0 | 230.8 | 46,000 | 38.3 | 242.3 | 42,600 | 49.2 | 253.8 | 36,900 | | | | | | | | | | 130 |
| 135 | | | | 24.2 | 220.8 | 43,600 | 33.8 | 235.2 | 40,400 | 45.6 | 249.1 | 35,000 | 55.1 | 255.8 | 29,600 | | | | | | | 135 |
| 140 | | | | 16.4 | 206.8 | 41,400 | 28.6 | 226.8 | 38,300 | 41.8 | 243.7 | 33,100 | 51.8 | 252.0 | 28,000 | | | | | | | 140 |
| 145 | | | | | | | 22.4 | 216.0 | 36,400 | 37.6 | 237.5 | 31,400 | 48.4 | 247.7 | 26,500 | | | | | | | 145 |
| 150 | | | | | | | 13.7 | 200.0 | 34,500 | 33.0 | 230.3 | 29,800 | 44.7 | 242.9 | 25,100 | | | | | | | 150 |
| 155 | | | | | | | | | | 27.8 | 221.6 | 28,300 | 40.9 | 237.4 | 23,800 | 50.7 | 244.5 | 19,300 | | | | 155 |
| 160 | | | | | | | | | | 21.4 | 210.3 | 26,900 | 36.6 | 231.0 | 22,500 | 47.2 | 240.0 | 18,200 | | | | 160 |
| 165 | | | | | | | | | | 11.9 | 192.8 | 25,500 | 31.9 | 223.5 | 21,400 | 43.5 | 235.0 | 17,200 | | | | 165 |
| 170 | | | | | | | | | | | | | 26.5 | 214.3 | 20,300 | 39.5 | 229.2 | 16,300 | | | | 170 |
| 175 | | | | | | | | | | | | | 19.6 | 202.1 | 19,200 | 35.2 | 222.5 | 15,400 | 45.6 | 230.5 | 11,700 | 175 |
| 180 | | | | | | | | | | | | | 8.3 | 180.9 | 18,100 | 30.3 | 214.5 | 14,600 | 41.8 | 225.2 | 10,900 | 180 |
| 185 | | | | | | | | | | | | | | | | 24.5 | 204.6 | 13,700 | 37.7 | 219.0 | 10,300 | 185 |
| 190 | | | | | | | | | | | | | | | | 16.8 | 190.8 | 12,900 | 33.1 | 211.8 | 9,600 | 190 |
| 195 | | | | | | | | | | | | | | | | | | | 27.8 | 203.1 | 9,000 | 195 |
| 200 | | | | | | | | | | | | | | | | | | | 21.4 | 191.8 | 8,400 | 200 |
| 205 | | | | | | | | | | | | | | | | | | | 12.0 | 174.4 | 7,700 | 205 |

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LIFTCRANE LUFFING JIB CAPACITIES

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THE SCOPE OF ANSI B30.5

M-250 SERIES 2

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING**

165 FT. BOOM, 120 FT. JIB

| JIB OPER. RAD. FEET | 88 DEGREE BOOM ANGLE | | | 83 DEGREE BOOM ANGLE | | | 80 DEGREE BOOM ANGLE | | | 75 DEGREE BOOM ANGLE | | | 70 DEGREE BOOM ANGLE | | | 65 DEGREE BOOM ANGLE | | | 60 DEGREE BOOM ANGLE | | | JIB OPER. RAD. FEET |
|---------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|---------------------|
| | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | |
| 50 | 75.9 | 294.7 | 98,100* | | | | | | | | | | | | | | | | | | | 50 |
| 55 | 73.4 | 293.3 | 93,500* | | | | | | | | | | | | | | | | | | | 55 |
| 60 | 70.9 | 291.6 | 89,100* | | | | | | | | | | | | | | | | | | | 60 |
| 65 | 68.3 | 289.7 | 85,000* | | | | | | | | | | | | | | | | | | | 65 |
| 70 | 65.7 | 287.5 | 81,200* | | | | | | | | | | | | | | | | | | | 70 |
| 75 | 63.1 | 285.0 | 77,600* | 70.7 | 289.7 | 87,300* | | | | | | | | | | | | | | | | 75 |
| 80 | 60.3 | 282.3 | 74,200* | 68.1 | 287.8 | 83,600* | | | | | | | | | | | | | | | | 80 |
| 85 | 57.5 | 279.2 | 71,100* | 65.5 | 285.6 | 80,100* | | | | | | | | | | | | | | | | 85 |
| 90 | 54.6 | 275.8 | 68,200* | 62.9 | 283.1 | 74,900 | 67.5 | 285.6 | 69,500 | | | | | | | | | | | | | 90 |
| 95 | 51.6 | 271.9 | 63,000* | 60.1 | 280.3 | 69,700 | 64.8 | 283.3 | 64,600 | | | | | | | | | | | | | 95 |
| 100 | 48.5 | 267.6 | 58,100* | 57.3 | 277.2 | 65,100 | 62.2 | 280.7 | 60,300 | | | | | | | | | | | | | 100 |
| 105 | 45.2 | 262.8 | 53,600* | 54.4 | 273.7 | 61,000 | 59.4 | 277.8 | 56,500 | | | | | | | | | | | | | 105 |
| 110 | 41.7 | 257.4 | 49,500* | 51.4 | 269.9 | 57,300 | 56.6 | 274.6 | 53,000 | | | | | | | | | | | | | 110 |
| 115 | 37.9 | 251.3 | 45,800* | 48.2 | 265.5 | 53,900 | 53.6 | 271.1 | 49,900 | 61.8 | 276.5 | 43,200 | | | | | | | | | | 115 |
| 120 | 33.7 | 244.2 | 42,400* | 44.9 | 260.7 | 50,900 | 50.6 | 267.1 | 47,000 | 59.0 | 273.6 | 40,600 | | | | | | | | | | 120 |
| 125 | 29.1 | 235.8 | 39,300* | 41.4 | 255.3 | 48,100 | 47.4 | 262.7 | 44,400 | 56.1 | 270.4 | 38,300 | | | | | | | | | | 125 |
| 130 | 23.5 | 225.4 | 36,600* | 37.6 | 249.1 | 45,500 | 44.0 | 257.7 | 42,000 | 53.2 | 266.7 | 36,200 | | | | | | | | | | 130 |
| 135 | 16.3 | 211.2 | 34,100* | 33.4 | 241.9 | 43,100 | 40.4 | 252.1 | 39,800 | 50.1 | 262.7 | 34,200 | | | | | | | | | | 135 |
| 140 | | | | 28.7 | 233.4 | 40,900 | 36.5 | 245.6 | 37,700 | 46.9 | 258.2 | 32,400 | 55.5 | 264.5 | 27,100 | | | | | | | 140 |
| 145 | | | | 23.1 | 222.8 | 38,900 | 32.2 | 238.1 | 35,800 | 43.5 | 253.1 | 30,700 | 52.5 | 260.8 | 25,600 | | | | | | | 145 |
| 150 | | | | 15.7 | 208.1 | 36,900 | 27.4 | 229.2 | 34,000 | 39.9 | 247.4 | 29,100 | 49.4 | 256.7 | 24,300 | | | | | | | 150 |
| 155 | | | | | | | 21.4 | 217.8 | 32,300 | 35.9 | 240.8 | 27,700 | 46.2 | 252.1 | 23,000 | | | | | | | 155 |
| 160 | | | | | | | 13.1 | 201.1 | 30,700 | 31.6 | 233.1 | 26,300 | 42.7 | 246.8 | 21,800 | 51.5 | 253.3 | 17,400 | | | | 160 |
| 165 | | | | | | | | | | 26.6 | 223.9 | 25,000 | 39.0 | 240.9 | 20,700 | 48.4 | 249.0 | 16,400 | | | | 165 |
| 170 | | | | | | | | | | 20.4 | 212.0 | 23,700 | 35.0 | 234.2 | 19,600 | 45.1 | 244.2 | 15,500 | | | | 170 |
| 175 | | | | | | | | | | 11.3 | 193.7 | 22,500 | 30.5 | 226.2 | 18,600 | 41.6 | 238.8 | 14,600 | | | | 175 |
| 180 | | | | | | | | | | | | | 25.3 | 216.5 | 17,600 | 37.8 | 232.6 | 13,800 | 46.9 | 239.6 | 10,100 | 180 |
| 185 | | | | | | | | | | | | | 18.8 | 203.8 | 16,700 | 33.6 | 225.5 | 13,000 | 43.5 | 234.6 | 9,400 | 185 |
| 190 | | | | | | | | | | | | | 7.9 | 181.6 | 15,700 | 28.9 | 217.1 | 12,300 | 39.9 | 228.8 | 8,800 | 190 |
| 195 | | | | | | | | | | | | | | | | 23.4 | 206.6 | 11,500 | 36.0 | 222.3 | 8,200 | 195 |
| 200 | | | | | | | | | | | | | | | | 16.1 | 192.2 | 10,800 | 31.6 | 214.6 | 7,600 | 200 |
| 205 | | | | | | | | | | | | | | | | | | | 26.6 | 205.4 | 7,000 | 205 |
| 210 | | | | | | | | | | | | | | | | | | | 20.5 | 193.6 | 6,500 | 210 |
| 215 | | | | | | | | | | | | | | | | | | | 11.5 | 175.4 | 5,900 | 215 |

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

DESIGNED AND TESTED
WITH THE INTENT TO BE
THE SCOPE OF ANSI B30.5

M-250 SERIES 2

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING**

165 FT. BOOM, 130 FT. JIB

| JIB OPER. RAD. FEET | 88 DEGREE BOOM ANGLE | | | 83 DEGREE BOOM ANGLE | | | 80 DEGREE BOOM ANGLE | | | 75 DEGREE BOOM ANGLE | | | 70 DEGREE BOOM ANGLE | | | 65 DEGREE BOOM ANGLE | | | 60 DEGREE BOOM ANGLE | | | JIB OPER. RAD. FEET |
|---------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|---------------------|
| | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | |
| 55 | 74.7 | 303.7 | 90,500* | | | | | | | | | | | | | | | | | | | 55 |
| 60 | 72.4 | 302.2 | 86,500* | | | | | | | | | | | | | | | | | | | 60 |
| 65 | 70.1 | 300.4 | 82,700* | | | | | | | | | | | | | | | | | | | 65 |
| 70 | 67.7 | 298.4 | 79,100* | | | | | | | | | | | | | | | | | | | 70 |
| 75 | 65.3 | 296.2 | 75,600* | | | | | | | | | | | | | | | | | | | 75 |
| 80 | 62.8 | 293.7 | 72,500* | 69.9 | 298.5 | 81,300* | | | | | | | | | | | | | | | | 80 |
| 85 | 60.3 | 290.9 | 69,500* | 67.5 | 296.5 | 78,000* | | | | | | | | | | | | | | | | 85 |
| 90 | 57.7 | 287.9 | 66,700* | 65.1 | 294.3 | 74,500 | | | | | | | | | | | | | | | | 90 |
| 95 | 55.1 | 284.5 | 62,100* | 62.6 | 291.8 | 69,300 | 66.9 | 294.3 | 64,300 | | | | | | | | | | | | | 95 |
| 100 | 52.3 | 280.7 | 57,600* | 60.1 | 289.0 | 64,800 | 64.5 | 292.0 | 60,000 | | | | | | | | | | | | | 100 |
| 105 | 49.4 | 276.6 | 53,300* | 57.5 | 285.9 | 60,600 | 62.0 | 289.4 | 56,100 | | | | | | | | | | | | | 105 |
| 110 | 46.4 | 272.0 | 49,400* | 54.9 | 282.5 | 57,000 | 59.5 | 286.5 | 52,700 | | | | | | | | | | | | | 110 |
| 115 | 43.3 | 266.8 | 45,800* | 52.1 | 278.7 | 53,600 | 56.8 | 283.3 | 49,500 | | | | | | | | | | | | | 115 |
| 120 | 39.9 | 261.1 | 42,500* | 49.2 | 274.5 | 50,600 | 54.2 | 279.8 | 46,700 | 61.6 | 285.2 | 40,300 | | | | | | | | | | 120 |
| 125 | 36.3 | 254.6 | 39,500* | 46.2 | 269.9 | 47,800 | 51.4 | 275.9 | 44,100 | 59.1 | 282.3 | 38,000 | | | | | | | | | | 125 |
| 130 | 32.3 | 247.1 | 36,700* | 43.1 | 264.7 | 45,300 | 48.5 | 271.7 | 41,700 | 56.5 | 279.0 | 35,800 | | | | | | | | | | 130 |
| 135 | 27.9 | 238.3 | 34,200* | 39.7 | 258.9 | 42,900 | 45.4 | 266.9 | 39,500 | 53.7 | 275.5 | 33,900 | | | | | | | | | | 135 |
| 140 | 22.6 | 227.4 | 32,000* | 36.0 | 252.3 | 40,700 | 42.2 | 261.6 | 37,500 | 50.9 | 271.5 | 32,100 | | | | | | | | | | 140 |
| 145 | 15.7 | 212.5 | 29,900* | 32.0 | 244.8 | 38,700 | 38.8 | 255.6 | 35,600 | 48.0 | 267.2 | 30,400 | 55.9 | 273.3 | 25,300 | | | | | | | 145 |
| 150 | | | | 27.5 | 235.8 | 36,800 | 35.0 | 248.8 | 33,800 | 44.9 | 262.3 | 28,900 | 53.1 | 269.6 | 24,000 | | | | | | | 150 |
| 155 | | | | 22.2 | 224.7 | 35,000 | 30.9 | 240.9 | 32,200 | 41.7 | 256.9 | 27,400 | 50.3 | 265.6 | 22,700 | | | | | | | 155 |
| 160 | | | | 15.1 | 209.4 | 33,400 | 26.2 | 231.5 | 30,600 | 38.2 | 250.8 | 26,000 | 47.3 | 261.1 | 21,500 | | | | | | | 160 |
| 165 | | | | | | | 20.6 | 219.6 | 29,200 | 34.5 | 243.9 | 24,800 | 44.2 | 256.2 | 20,400 | 52.2 | 262.1 | 16,100 | | | | 165 |
| 170 | | | | | | | 12.5 | 202.2 | 27,800 | 30.3 | 235.8 | 23,600 | 40.9 | 250.6 | 19,300 | 49.4 | 258.0 | 15,200 | | | | 170 |
| 175 | | | | | | | | | | 25.5 | 226.2 | 22,400 | 37.4 | 244.3 | 18,300 | 46.4 | 253.4 | 14,300 | | | | 175 |
| 180 | | | | | | | | | | 19.6 | 213.8 | 21,300 | 33.6 | 237.2 | 17,400 | 43.2 | 248.2 | 13,500 | | | | 180 |
| 185 | | | | | | | | | | 10.9 | 194.6 | 20,200 | 29.3 | 228.8 | 16,500 | 39.8 | 242.5 | 12,700 | | | | 185 |
| 190 | | | | | | | | | | | | | 24.3 | 218.6 | 15,600 | 36.2 | 235.9 | 12,000 | 45.0 | 243.8 | 8,500 | 190 |
| 195 | | | | | | | | | | | | | 18.0 | 205.3 | 14,800 | 32.2 | 228.4 | 11,300 | 41.7 | 238.4 | 7,900 | 195 |
| 200 | | | | | | | | | | | | | 7.6 | 182.2 | 13,900 | 27.7 | 219.5 | 10,600 | 38.3 | 232.3 | 7,300 | 200 |
| 205 | | | | | | | | | | | | | | | | 22.4 | 208.6 | 10,000 | 34.5 | 225.4 | 6,800 | 205 |
| 210 | | | | | | | | | | | | | | | | 15.4 | 193.5 | 9,300 | 30.3 | 217.3 | 6,300 | 210 |
| 215 | | | | | | | | | | | | | | | | | | | 25.5 | 207.7 | 5,800 | 215 |
| 220 | | | | | | | | | | | | | | | | | | | 19.6 | 195.3 | 5,300 | 220 |
| 225 | | | | | | | | | | | | | | | | | | | 11.0 | 176.3 | 4,700 | 225 |

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

DESIGNED AND TESTED
WITH THE INTENT TO BE
THE SCOPE OF ANSI B30.5

M-250 SERIES 2

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING**

165 FT. BOOM, 140 FT. JIB

| JIB OPER. RAD. FEET | 88 DEGREE BOOM ANGLE | | | 83 DEGREE BOOM ANGLE | | | 80 DEGREE BOOM ANGLE | | | 75 DEGREE BOOM ANGLE | | | 70 DEGREE BOOM ANGLE | | | 65 DEGREE BOOM ANGLE | | | 60 DEGREE BOOM ANGLE | | | JIB OPER. RAD. FEET |
|---------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|---------------------|
| | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | |
| 55 | 75.8 | 314.1 | 86,200* | | | | | | | | | | | | | | | | | | | 55 |
| 60 | 73.7 | 312.7 | 82,500* | | | | | | | | | | | | | | | | | | | 60 |
| 65 | 71.6 | 311.1 | 79,000* | | | | | | | | | | | | | | | | | | | 65 |
| 70 | 69.4 | 309.2 | 75,700* | | | | | | | | | | | | | | | | | | | 70 |
| 75 | 67.2 | 307.2 | 72,600* | | | | | | | | | | | | | | | | | | | 75 |
| 80 | 64.9 | 304.9 | 69,600* | | | | | | | | | | | | | | | | | | | 80 |
| 85 | 62.6 | 302.4 | 66,900* | 69.2 | 307.3 | 74,700* | | | | | | | | | | | | | | | | 85 |
| 90 | 60.3 | 299.6 | 64,200* | 67.0 | 305.3 | 71,800* | | | | | | | | | | | | | | | | 90 |
| 95 | 57.9 | 296.5 | 61,100* | 64.8 | 303.0 | 68,700 | | | | | | | | | | | | | | | | 95 |
| 100 | 55.4 | 293.2 | 57,000* | 62.5 | 300.4 | 64,100 | 66.4 | 303.0 | 59,200 | | | | | | | | | | | | | 100 |
| 105 | 52.9 | 289.5 | 53,100* | 60.1 | 297.6 | 60,000 | 64.2 | 300.6 | 55,400 | | | | | | | | | | | | | 105 |
| 110 | 50.2 | 285.5 | 49,400* | 57.7 | 294.5 | 56,300 | 61.9 | 298.0 | 51,900 | | | | | | | | | | | | | 110 |
| 115 | 47.5 | 281.0 | 45,900* | 55.2 | 291.2 | 53,000 | 59.5 | 295.2 | 48,800 | | | | | | | | | | | | | 115 |
| 120 | 44.6 | 276.1 | 42,700* | 52.7 | 287.5 | 49,900 | 57.1 | 292.0 | 46,000 | | | | | | | | | | | | | 120 |
| 125 | 41.6 | 270.7 | 39,800* | 50.1 | 283.4 | 47,200 | 54.6 | 288.6 | 43,400 | 61.5 | 293.8 | 37,200 | | | | | | | | | | 125 |
| 130 | 38.4 | 264.6 | 37,000* | 47.3 | 278.9 | 44,600 | 52.0 | 284.8 | 41,000 | 59.1 | 290.9 | 35,100 | | | | | | | | | | 130 |
| 135 | 34.9 | 257.7 | 34,500* | 44.4 | 274.0 | 42,300 | 49.4 | 280.6 | 38,800 | 56.7 | 287.7 | 33,100 | | | | | | | | | | 135 |
| 140 | 31.1 | 249.9 | 32,200* | 41.4 | 268.5 | 40,200 | 46.6 | 276.0 | 36,800 | 54.2 | 284.2 | 31,300 | | | | | | | | | | 140 |
| 145 | 26.8 | 240.7 | 30,100* | 38.2 | 262.4 | 38,100 | 43.7 | 270.9 | 35,000 | 51.6 | 280.4 | 29,700 | | | | | | | | | | 145 |
| 150 | 21.7 | 229.3 | 28,200* | 34.7 | 255.5 | 36,300 | 40.6 | 265.3 | 33,200 | 48.9 | 276.1 | 28,100 | 56.2 | 281.9 | 23,100 | | | | | | | 150 |
| 155 | 15.1 | 213.8 | 26,500* | 30.8 | 247.5 | 34,500 | 37.3 | 259.0 | 31,600 | 46.2 | 271.5 | 26,700 | 53.6 | 278.4 | 21,900 | | | | | | | 155 |
| 160 | | | | 26.5 | 238.2 | 32,900 | 33.7 | 251.8 | 30,100 | 43.2 | 266.3 | 25,300 | 51.0 | 274.4 | 20,700 | | | | | | | 160 |
| 165 | | | | 21.3 | 226.6 | 31,300 | 29.8 | 243.6 | 28,600 | 40.1 | 260.6 | 24,100 | 48.3 | 270.1 | 19,600 | | | | | | | 165 |
| 170 | | | | 14.5 | 210.6 | 29,900 | 25.2 | 233.8 | 27,300 | 36.8 | 254.2 | 22,900 | 45.5 | 265.3 | 18,600 | 52.8 | 270.9 | 14,300 | | | | 170 |
| 175 | | | | | | | 19.8 | 221.4 | 26,000 | 33.2 | 246.9 | 21,800 | 42.5 | 260.1 | 17,600 | 50.2 | 266.9 | 13,500 | | | | 175 |
| 180 | | | | | | | 12.1 | 203.2 | 24,700 | 29.1 | 238.4 | 20,700 | 39.4 | 254.2 | 16,700 | 47.4 | 262.4 | 12,700 | | | | 180 |
| 185 | | | | | | | | | | 24.5 | 228.3 | 19,700 | 36.0 | 247.6 | 15,800 | 44.6 | 257.5 | 11,900 | | | | 185 |
| 190 | | | | | | | | | | 18.8 | 215.4 | 18,700 | 32.3 | 240.1 | 14,900 | 41.5 | 252.0 | 11,200 | | | | 190 |
| 195 | | | | | | | | | | 10.4 | 195.5 | 17,700 | 28.2 | 231.3 | 14,200 | 38.3 | 245.9 | 10,500 | 46.2 | 252.9 | 7,100 | 195 |
| 200 | | | | | | | | | | | | | 23.4 | 220.7 | 13,400 | 34.8 | 239.1 | 9,900 | 43.2 | 247.8 | 6,500 | 200 |
| 205 | | | | | | | | | | | | | 17.3 | 206.8 | 12,600 | 31.0 | 231.2 | 9,300 | 40.1 | 242.1 | 6,000 | 205 |
| 210 | | | | | | | | | | | | | 7.3 | 182.8 | 11,800 | 26.7 | 221.9 | 8,700 | 36.8 | 235.7 | 5,500 | 210 |
| 215 | | | | | | | | | | | | | | | | 21.6 | 210.5 | 8,100 | 33.2 | 228.4 | 5,000 | 215 |
| 220 | | | | | | | | | | | | | | | | 14.8 | 194.8 | 7,500 | 29.2 | 219.9 | 4,500 | 220 |
| 225 | | | | | | | | | | | | | | | | | | | 24.6 | 209.8 | 4,100 | 225 |

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

DESIGNED AND TESTED
WITH THE INTENT TO BE
THE SCOPE OF ANSI B30.5

M-250 SERIES 2

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING**

165 FT. BOOM, 150 FT. JIB

| JIB OPER. RAD. FEET | 88 DEGREE BOOM ANGLE | | | 83 DEGREE BOOM ANGLE | | | 80 DEGREE BOOM ANGLE | | | 75 DEGREE BOOM ANGLE | | | 70 DEGREE BOOM ANGLE | | | 65 DEGREE BOOM ANGLE | | | 60 DEGREE BOOM ANGLE | | | JIB OPER. RAD. FEET |
|---------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|---------------------|
| | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | |
| 60 | 74.8 | 323.1 | 79,800* | | | | | | | | | | | | | | | | | | | 60 |
| 65 | 72.8 | 321.6 | 76,600* | | | | | | | | | | | | | | | | | | | 65 |
| 70 | 70.8 | 319.9 | 73,600* | | | | | | | | | | | | | | | | | | | 70 |
| 75 | 68.8 | 318.0 | 70,700* | | | | | | | | | | | | | | | | | | | 75 |
| 80 | 66.7 | 315.9 | 67,900* | | | | | | | | | | | | | | | | | | | 80 |
| 85 | 64.6 | 313.6 | 65,200* | 70.7 | 318.0 | 72,600* | | | | | | | | | | | | | | | | 85 |
| 90 | 62.5 | 311.0 | 62,700* | 68.6 | 316.1 | 69,900* | | | | | | | | | | | | | | | | 90 |
| 95 | 60.3 | 308.3 | 59,400* | 66.6 | 314.0 | 67,300* | | | | | | | | | | | | | | | | 95 |
| 100 | 58.0 | 305.2 | 55,700* | 64.4 | 311.6 | 63,400 | | | | | | | | | | | | | | | | 100 |
| 105 | 55.7 | 301.9 | 52,200* | 62.3 | 309.1 | 59,400 | 66.0 | 311.7 | 54,700 | | | | | | | | | | | | | 105 |
| 110 | 53.4 | 298.3 | 48,800* | 60.1 | 306.3 | 55,700 | 63.9 | 309.3 | 51,300 | | | | | | | | | | | | | 110 |
| 115 | 50.9 | 294.3 | 45,600* | 57.9 | 303.2 | 52,400 | 61.7 | 306.7 | 48,200 | | | | | | | | | | | | | 115 |
| 120 | 48.4 | 290.0 | 42,500* | 55.6 | 299.9 | 49,300 | 59.5 | 303.8 | 45,300 | | | | | | | | | | | | | 120 |
| 125 | 45.8 | 285.3 | 39,700* | 53.2 | 296.2 | 46,600 | 57.3 | 300.7 | 42,800 | | | | | | | | | | | | | 125 |
| 130 | 43.0 | 280.1 | 37,100* | 50.8 | 292.2 | 44,100 | 55.0 | 297.3 | 40,400 | 61.4 | 302.5 | 34,400 | | | | | | | | | | 130 |
| 135 | 40.1 | 274.3 | 34,600* | 48.2 | 287.9 | 41,700 | 52.6 | 293.5 | 38,200 | 59.2 | 299.6 | 32,400 | | | | | | | | | | 135 |
| 140 | 37.0 | 268.0 | 32,400* | 45.6 | 283.1 | 39,600 | 50.1 | 289.5 | 36,200 | 56.9 | 296.4 | 30,700 | | | | | | | | | | 140 |
| 145 | 33.7 | 260.8 | 30,300* | 42.8 | 277.9 | 37,600 | 47.6 | 285.0 | 34,300 | 54.6 | 293.0 | 29,000 | | | | | | | | | | 145 |
| 150 | 30.0 | 252.6 | 28,400* | 39.9 | 272.1 | 35,700 | 44.9 | 280.2 | 32,600 | 52.2 | 289.2 | 27,500 | | | | | | | | | | 150 |
| 155 | 25.9 | 243.0 | 26,700* | 36.8 | 265.7 | 34,000 | 42.1 | 274.8 | 31,000 | 49.7 | 285.1 | 26,000 | 56.4 | 290.6 | 21,200 | | | | | | | 155 |
| 160 | 21.0 | 231.1 | 25,100* | 33.4 | 258.5 | 32,400 | 39.1 | 268.9 | 29,500 | 47.2 | 280.5 | 24,700 | 54.1 | 287.1 | 20,000 | | | | | | | 160 |
| 165 | 14.5 | 215.1 | 23,600* | 29.7 | 250.2 | 30,900 | 36.0 | 262.2 | 28,100 | 44.5 | 275.6 | 23,500 | 51.7 | 283.3 | 18,900 | | | | | | | 165 |
| 170 | | | | 25.6 | 240.4 | 29,400 | 32.5 | 254.8 | 26,700 | 41.7 | 270.2 | 22,300 | 49.2 | 279.0 | 17,900 | | | | | | | 170 |
| 175 | | | | 20.6 | 228.4 | 28,100 | 28.7 | 246.1 | 25,500 | 38.7 | 264.1 | 21,200 | 46.6 | 274.4 | 16,900 | | | | | | | 175 |
| 180 | | | | 14.0 | 211.8 | 26,700 | 24.4 | 235.9 | 24,300 | 35.5 | 257.4 | 20,100 | 43.9 | 269.4 | 16,000 | 50.9 | 275.7 | 12,000 | | | | 180 |
| 185 | | | | | | | 19.1 | 223.0 | 23,100 | 32.0 | 249.8 | 19,100 | 41.0 | 263.8 | 15,100 | 48.3 | 271.4 | 11,300 | | | | 185 |
| 190 | | | | | | | 11.6 | 204.2 | 22,000 | 28.1 | 240.9 | 18,200 | 38.0 | 257.7 | 14,300 | 45.7 | 266.7 | 10,500 | | | | 190 |
| 195 | | | | | | | | | | 23.7 | 230.4 | 17,300 | 34.7 | 250.7 | 13,500 | 43.0 | 261.5 | 9,900 | | | | 195 |
| 200 | | | | | | | | | | 18.2 | 217.0 | 16,400 | 31.1 | 242.9 | 12,800 | 40.0 | 255.7 | 9,200 | 47.2 | 262.0 | 5,800 | 200 |
| 205 | | | | | | | | | | 10.1 | 196.4 | 15,500 | 27.2 | 233.7 | 12,100 | 36.9 | 249.3 | 8,600 | 44.5 | 257.1 | 5,300 | 205 |
| 210 | | | | | | | | | | | | | 22.5 | 222.7 | 11,400 | 33.6 | 242.1 | 8,100 | 41.7 | 251.6 | 4,800 | 210 |
| 215 | | | | | | | | | | | | | 16.7 | 208.3 | 10,700 | 29.9 | 233.9 | 7,500 | 38.7 | 245.6 | 4,300 | 215 |
| 220 | | | | | | | | | | | | | 7.0 | 183.4 | 10,000 | 25.8 | 224.2 | 7,000 | | | | 220 |
| 225 | | | | | | | | | | | | | | | | 20.8 | 212.3 | 6,400 | | | | 225 |
| 230 | | | | | | | | | | | | | | | | 14.3 | 196.0 | 5,900 | | | | 230 |

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

DESIGNED AND TESTED
WITH THE INTENT TO BE
THE SCOPE OF ANSI B30.5

M-250 SERIES 2

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING**

165 FT. BOOM, 160 FT. JIB

| JIB OPER. RAD. FEET | 88 DEGREE BOOM ANGLE | | | 83 DEGREE BOOM ANGLE | | | 80 DEGREE BOOM ANGLE | | | 75 DEGREE BOOM ANGLE | | | 70 DEGREE BOOM ANGLE | | | 65 DEGREE BOOM ANGLE | | | JIB OPER. RAD. FEET |
|---------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|---------------------|
| | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | |
| 60 | 75.8 | 333.4 | 76,200* | | | | | | | | | | | | | | | | 60 |
| 65 | 73.9 | 332.0 | 73,900* | | | | | | | | | | | | | | | | 65 |
| 70 | 72.1 | 330.5 | 71,100* | | | | | | | | | | | | | | | | 70 |
| 75 | 70.2 | 328.7 | 68,400* | | | | | | | | | | | | | | | | 75 |
| 80 | 68.2 | 326.8 | 65,800* | | | | | | | | | | | | | | | | 80 |
| 85 | 66.3 | 324.6 | 63,300* | | | | | | | | | | | | | | | | 85 |
| 90 | 64.3 | 322.3 | 60,400* | 70.0 | 326.8 | 67,600* | | | | | | | | | | | | | 90 |
| 95 | 62.3 | 319.7 | 57,200* | 68.1 | 324.9 | 65,200* | | | | | | | | | | | | | 95 |
| 100 | 60.2 | 316.9 | 54,100* | 66.2 | 322.7 | 62,800 | | | | | | | | | | | | | 100 |
| 105 | 58.2 | 313.9 | 50,900* | 64.2 | 320.3 | 58,700 | 67.6 | 322.6 | 54,000 | | | | | | | | | | 105 |
| 110 | 56.0 | 310.6 | 47,900* | 62.2 | 317.8 | 55,000 | 65.6 | 320.4 | 50,500 | | | | | | | | | | 110 |
| 115 | 53.8 | 307.0 | 44,900* | 60.1 | 314.9 | 51,700 | 63.6 | 318.0 | 47,400 | | | | | | | | | | 115 |
| 120 | 51.5 | 303.1 | 42,100* | 58.0 | 311.9 | 48,700 | 61.6 | 315.4 | 44,600 | | | | | | | | | | 120 |
| 125 | 49.2 | 298.9 | 39,400* | 55.9 | 308.6 | 45,900 | 59.6 | 312.5 | 42,100 | | | | | | | | | | 125 |
| 130 | 46.8 | 294.4 | 36,900* | 53.7 | 305.0 | 43,400 | 57.4 | 309.4 | 39,700 | | | | | | | | | | 130 |
| 135 | 44.2 | 289.4 | 34,600* | 51.4 | 301.1 | 41,100 | 55.3 | 306.0 | 37,500 | 61.3 | 311.2 | 31,600 | | | | | | | 135 |
| 140 | 41.6 | 283.9 | 32,400* | 49.0 | 296.8 | 39,000 | 53.1 | 302.3 | 35,500 | 59.2 | 308.3 | 29,900 | | | | | | | 140 |
| 145 | 38.8 | 277.9 | 30,300* | 46.6 | 292.2 | 37,000 | 50.8 | 298.3 | 33,700 | 57.1 | 305.1 | 28,200 | | | | | | | 145 |
| 150 | 35.8 | 271.2 | 28,500* | 44.1 | 287.2 | 35,100 | 48.4 | 294.0 | 32,000 | 55.0 | 301.7 | 26,700 | | | | | | | 150 |
| 155 | 32.6 | 263.7 | 26,700* | 41.4 | 281.7 | 33,400 | 45.9 | 289.3 | 30,300 | 52.7 | 298.0 | 25,300 | | | | | | | 155 |
| 160 | 29.0 | 255.2 | 25,100* | 38.6 | 275.7 | 31,800 | 43.4 | 284.2 | 28,800 | 50.4 | 293.9 | 24,000 | 56.6 | 299.3 | 19,200 | | | | 160 |
| 165 | 25.0 | 245.2 | 23,600* | 35.6 | 268.9 | 30,300 | 40.7 | 278.5 | 27,400 | 48.1 | 289.5 | 22,700 | 54.5 | 295.8 | 18,100 | | | | 165 |
| 170 | 20.3 | 232.9 | 22,300* | 32.3 | 261.4 | 28,900 | 37.8 | 272.3 | 26,100 | 45.6 | 284.8 | 21,600 | 52.2 | 292.1 | 17,100 | | | | 170 |
| 175 | 14.1 | 216.3 | 21,100* | 28.8 | 252.8 | 27,500 | 34.8 | 265.4 | 24,900 | 43.0 | 279.6 | 20,500 | 49.9 | 287.9 | 16,100 | | | | 175 |
| 180 | | | | 24.7 | 242.6 | 26,300 | 31.4 | 257.6 | 23,700 | 40.3 | 273.8 | 19,400 | 47.5 | 283.5 | 15,200 | | | | 180 |
| 185 | | | | 19.9 | 230.2 | 25,000 | 27.8 | 248.6 | 22,600 | 37.4 | 267.5 | 18,500 | 45.0 | 278.6 | 14,400 | 51.5 | 284.6 | 10,400 | 185 |
| 190 | | | | 13.5 | 213.0 | 23,900 | 23.6 | 238.0 | 21,500 | 34.3 | 260.5 | 17,500 | 42.4 | 273.3 | 13,600 | 49.1 | 280.3 | 9,700 | 190 |
| 195 | | | | | | | 18.5 | 224.6 | 20,500 | 30.9 | 252.5 | 16,600 | 39.6 | 267.5 | 12,800 | 46.7 | 275.7 | 9,100 | 195 |
| 200 | | | | | | | 11.2 | 205.2 | 19,500 | 27.2 | 243.4 | 15,800 | 36.7 | 261.0 | 12,100 | 44.2 | 270.7 | 8,500 | 200 |
| 205 | | | | | | | | | | 22.9 | 232.4 | 15,000 | 33.6 | 253.8 | 11,400 | 41.5 | 265.3 | 7,900 | 205 |
| 210 | | | | | | | | | | 17.6 | 218.5 | 14,200 | 30.1 | 245.6 | 10,700 | 38.7 | 259.2 | 7,300 | 210 |
| 215 | | | | | | | | | | 9.7 | 197.2 | 13,400 | 26.3 | 236.1 | 10,100 | 35.7 | 252.5 | 6,700 | 215 |
| 220 | | | | | | | | | | | | | 21.8 | 224.6 | 9,400 | 32.5 | 245.0 | 6,200 | 220 |
| 225 | | | | | | | | | | | | | 16.2 | 209.7 | 8,800 | 28.9 | 236.4 | 5,700 | 225 |
| 230 | | | | | | | | | | | | | 6.8 | 183.9 | 8,200 | 24.9 | 226.4 | 5,200 | 230 |
| 235 | | | | | | | | | | | | | | | | 20.1 | 214.1 | 4,700 | 235 |
| 240 | | | | | | | | | | | | | | | | 13.8 | 197.2 | 4,300 | 240 |

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

DESIGNED AND TESTED
WITH THE INTENT TO BE
THE SCOPE OF ANSI B30.5

M-250 SERIES 2

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING**

165 FT. BOOM, 170 FT. JIB

| JIB OPER. RAD. FEET | 88 DEGREE BOOM ANGLE | | | 83 DEGREE BOOM ANGLE | | | 80 DEGREE BOOM ANGLE | | | 75 DEGREE BOOM ANGLE | | | 70 DEGREE BOOM ANGLE | | | 65 DEGREE BOOM ANGLE | | | JIB OPER. RAD. FEET |
|---------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|---------------------|
| | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | |
| 65 | 74.9 | 342.5 | 68,700* | | | | | | | | | | | | | | | | 65 |
| 70 | 73.1 | 341.0 | 66,900* | | | | | | | | | | | | | | | | 70 |
| 75 | 71.4 | 339.3 | 64,900* | | | | | | | | | | | | | | | | 75 |
| 80 | 69.6 | 337.5 | 62,600* | | | | | | | | | | | | | | | | 80 |
| 85 | 67.8 | 335.5 | 60,200* | | | | | | | | | | | | | | | | 85 |
| 90 | 65.9 | 333.3 | 57,600* | | | | | | | | | | | | | | | | 90 |
| 95 | 64.1 | 331.0 | 55,000* | 69.5 | 335.6 | 62,000* | | | | | | | | | | | | | 95 |
| 100 | 62.2 | 328.4 | 52,200* | 67.6 | 333.6 | 60,100* | | | | | | | | | | | | | 100 |
| 105 | 60.2 | 325.6 | 49,500* | 65.8 | 331.4 | 58,300 | | | | | | | | | | | | | 105 |
| 110 | 58.3 | 322.6 | 46,700* | 63.9 | 329.0 | 54,600 | 67.2 | 331.4 | 50,100 | | | | | | | | | | 110 |
| 115 | 56.2 | 319.3 | 44,100* | 62.0 | 326.4 | 51,300 | 65.3 | 329.1 | 47,000 | | | | | | | | | | 115 |
| 120 | 54.2 | 315.8 | 41,500* | 60.1 | 323.6 | 48,300 | 63.4 | 326.7 | 44,200 | | | | | | | | | | 120 |
| 125 | 52.1 | 311.9 | 39,000* | 58.1 | 320.6 | 45,600 | 61.5 | 324.0 | 41,700 | | | | | | | | | | 125 |
| 130 | 49.9 | 307.8 | 36,700* | 56.1 | 317.3 | 43,100 | 59.6 | 321.2 | 39,300 | | | | | | | | | | 130 |
| 135 | 47.6 | 303.4 | 34,400* | 54.0 | 313.7 | 40,700 | 57.6 | 318.1 | 37,200 | | | | | | | | | | 135 |
| 140 | 45.3 | 298.6 | 32,300* | 51.9 | 309.9 | 38,600 | 55.6 | 314.7 | 35,200 | 61.2 | 319.8 | 29,500 | | | | | | | 140 |
| 145 | 42.8 | 293.3 | 30,400* | 49.7 | 305.8 | 36,600 | 53.5 | 311.1 | 33,300 | 59.3 | 316.9 | 27,900 | | | | | | | 145 |
| 150 | 40.3 | 287.6 | 28,500* | 47.5 | 301.3 | 34,800 | 51.4 | 307.2 | 31,600 | 57.3 | 313.8 | 26,300 | | | | | | | 150 |
| 155 | 37.6 | 281.3 | 26,800* | 45.1 | 296.4 | 33,100 | 49.1 | 302.9 | 30,000 | 55.3 | 310.4 | 24,900 | | | | | | | 155 |
| 160 | 34.7 | 274.3 | 25,200* | 42.7 | 291.2 | 31,500 | 46.9 | 298.4 | 28,500 | 53.2 | 306.7 | 23,600 | | | | | | | 160 |
| 165 | 31.6 | 266.5 | 23,800* | 40.1 | 285.4 | 30,000 | 44.5 | 293.4 | 27,100 | 51.0 | 302.8 | 22,400 | 56.9 | 308.0 | 17,700 | | | | 165 |
| 170 | 28.1 | 257.7 | 22,400* | 37.4 | 279.1 | 28,600 | 42.0 | 288.0 | 25,800 | 48.8 | 298.5 | 21,200 | 54.8 | 304.6 | 16,700 | | | | 170 |
| 175 | 24.3 | 247.3 | 21,100* | 34.5 | 272.0 | 27,200 | 39.4 | 282.1 | 24,600 | 46.5 | 293.9 | 20,100 | 52.7 | 300.8 | 15,800 | | | | 175 |
| 180 | 19.7 | 234.6 | 20,000* | 31.3 | 264.2 | 26,000 | 36.6 | 275.6 | 23,400 | 44.1 | 288.9 | 19,100 | 50.5 | 296.8 | 14,900 | | | | 180 |
| 185 | 13.6 | 217.4 | 18,900* | 27.9 | 255.2 | 24,800 | 33.7 | 268.4 | 22,300 | 41.6 | 283.4 | 18,100 | 48.3 | 292.5 | 14,000 | | | | 185 |
| 190 | | | | 24.0 | 244.7 | 23,700 | 30.5 | 260.3 | 21,200 | 39.0 | 277.4 | 17,200 | 46.0 | 287.8 | 13,200 | 52.0 | 293.4 | 9,400 | 190 |
| 195 | | | | 19.3 | 231.8 | 22,600 | 26.9 | 251.0 | 20,200 | 36.2 | 270.8 | 16,300 | 43.6 | 282.6 | 12,500 | 49.8 | 289.2 | 8,700 | 195 |
| 200 | | | | 13.1 | 214.1 | 21,500 | 22.8 | 240.0 | 19,300 | 33.2 | 263.5 | 15,500 | 41.1 | 277.1 | 11,800 | 47.6 | 284.8 | 8,100 | 200 |
| 205 | | | | | | | 17.9 | 226.2 | 18,400 | 30.0 | 255.2 | 14,700 | 38.4 | 271.0 | 11,100 | 45.2 | 279.9 | 7,500 | 205 |
| 210 | | | | | | | 10.9 | 206.1 | 17,500 | 26.3 | 245.7 | 13,900 | 35.6 | 264.2 | 10,400 | 42.8 | 274.7 | 7,000 | 210 |
| 215 | | | | | | | | | | 22.2 | 234.4 | 13,200 | 32.5 | 256.7 | 9,800 | 40.2 | 268.9 | 6,400 | 215 |
| 220 | | | | | | | | | | 17.0 | 220.0 | 12,500 | 29.2 | 248.2 | 9,200 | 37.5 | 262.6 | 5,900 | 220 |
| 225 | | | | | | | | | | 9.4 | 198.0 | 11,800 | 25.5 | 238.3 | 8,600 | 34.6 | 255.7 | 5,400 | 225 |
| 230 | | | | | | | | | | | | | 21.1 | 226.4 | 8,000 | 31.5 | 247.8 | 4,900 | 230 |
| 235 | | | | | | | | | | | | | 15.7 | 211.0 | 7,500 | 28.0 | 238.9 | 4,500 | 235 |
| 240 | | | | | | | | | | | | | 6.5 | 184.5 | 6,900 | 24.1 | 228.5 | 4,000 | 240 |

MANITOWOC ENGINEERING CO.

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LIFTCRANE LUFFING JIB CAPACITIES

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WITH THE INTENT TO BE
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M-250 SERIES 2

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING**

165 FT. BOOM, 180 FT. JIB

| JIB OPER. RAD. FEET | 88 DEGREE BOOM ANGLE | | | 83 DEGREE BOOM ANGLE | | | 80 DEGREE BOOM ANGLE | | | 75 DEGREE BOOM ANGLE | | | 70 DEGREE BOOM ANGLE | | | 65 DEGREE BOOM ANGLE | | | JIB OPER. RAD. FEET |
|---------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|---------------------|
| | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | |
| 65 | 75.8 | 352.8 | 63,500* | | | | | | | | | | | | | | | | 65 |
| 70 | 74.1 | 351.4 | 62,000* | | | | | | | | | | | | | | | | 70 |
| 75 | 72.4 | 349.9 | 60,400* | | | | | | | | | | | | | | | | 75 |
| 80 | 70.8 | 348.2 | 58,600* | | | | | | | | | | | | | | | | 80 |
| 85 | 69.1 | 346.3 | 56,600* | | | | | | | | | | | | | | | | 85 |
| 90 | 67.3 | 344.3 | 54,500* | | | | | | | | | | | | | | | | 90 |
| 95 | 65.6 | 342.0 | 52,300* | 70.6 | 346.3 | 58,400* | | | | | | | | | | | | | 95 |
| 100 | 63.8 | 339.6 | 50,000* | 68.9 | 344.4 | 57,100* | | | | | | | | | | | | | 100 |
| 105 | 62.0 | 337.0 | 47,600* | 67.2 | 342.3 | 55,800* | | | | | | | | | | | | | 105 |
| 110 | 60.2 | 334.2 | 45,300* | 65.5 | 340.1 | 54,000 | | | | | | | | | | | | | 110 |
| 115 | 58.4 | 331.2 | 42,900* | 63.7 | 337.7 | 50,700 | 66.8 | 340.1 | 46,300 | | | | | | | | | | 115 |
| 120 | 56.5 | 328.0 | 40,600* | 61.9 | 335.1 | 47,700 | 65.0 | 337.8 | 43,500 | | | | | | | | | | 120 |
| 125 | 54.5 | 324.5 | 38,300* | 60.1 | 332.3 | 44,900 | 63.2 | 335.4 | 41,000 | | | | | | | | | | 125 |
| 130 | 52.5 | 320.7 | 36,200* | 58.2 | 329.2 | 42,400 | 61.4 | 332.7 | 38,600 | | | | | | | | | | 130 |
| 135 | 50.5 | 316.7 | 34,100* | 56.3 | 326.0 | 40,100 | 59.6 | 329.8 | 36,500 | | | | | | | | | | 135 |
| 140 | 48.4 | 312.4 | 32,100* | 54.4 | 322.5 | 38,000 | 57.7 | 326.7 | 34,500 | 63.0 | 331.2 | 28,700 | | | | | | | 140 |
| 145 | 46.2 | 307.7 | 30,200* | 52.4 | 318.7 | 36,000 | 55.8 | 323.4 | 32,600 | 61.2 | 328.5 | 27,100 | | | | | | | 145 |
| 150 | 43.9 | 302.6 | 28,500* | 50.3 | 314.6 | 34,200 | 53.9 | 319.8 | 30,900 | 59.3 | 325.6 | 25,600 | | | | | | | 150 |
| 155 | 41.6 | 297.1 | 26,800* | 48.2 | 310.3 | 32,500 | 51.9 | 316.0 | 29,300 | 57.5 | 322.5 | 24,200 | | | | | | | 155 |
| 160 | 39.1 | 291.1 | 25,300* | 46.0 | 305.6 | 30,900 | 49.8 | 311.8 | 27,900 | 55.5 | 319.1 | 22,900 | | | | | | | 160 |
| 165 | 36.5 | 284.6 | 23,800* | 43.8 | 300.5 | 29,400 | 47.7 | 307.4 | 26,500 | 53.6 | 315.5 | 21,700 | | | | | | | 165 |
| 170 | 33.7 | 277.4 | 22,400* | 41.4 | 294.9 | 28,000 | 45.5 | 302.6 | 25,200 | 51.6 | 311.6 | 20,500 | 57.0 | 316.7 | 15,900 | | | | 170 |
| 175 | 30.6 | 269.3 | 21,200* | 38.9 | 288.9 | 26,700 | 43.2 | 297.4 | 23,900 | 49.5 | 307.4 | 19,400 | 55.1 | 313.3 | 15,000 | | | | 175 |
| 180 | 27.3 | 260.1 | 20,000* | 36.3 | 282.3 | 25,400 | 40.8 | 291.8 | 22,800 | 47.3 | 302.9 | 18,400 | 53.1 | 309.6 | 14,100 | | | | 180 |
| 185 | 23.6 | 249.4 | 18,900* | 33.5 | 275.1 | 24,200 | 38.2 | 285.6 | 21,700 | 45.1 | 298.1 | 17,400 | 51.1 | 305.7 | 13,300 | | | | 185 |
| 190 | 19.1 | 236.3 | 17,900* | 30.4 | 266.9 | 23,100 | 35.6 | 278.8 | 20,600 | 42.8 | 292.8 | 16,500 | 49.0 | 301.4 | 12,500 | | | | 190 |
| 195 | 13.2 | 218.6 | 17,000* | 27.1 | 257.6 | 22,100 | 32.7 | 271.4 | 19,700 | 40.4 | 287.1 | 15,700 | 46.9 | 296.8 | 11,700 | 52.5 | 302.2 | 7,900 | 195 |
| 200 | | | | 23.3 | 246.8 | 21,100 | 29.6 | 262.9 | 18,700 | 37.9 | 280.8 | 14,800 | 44.6 | 291.9 | 11,000 | 50.4 | 298.1 | 7,300 | 200 |
| 205 | | | | 18.7 | 233.5 | 20,100* | 26.1 | 253.3 | 17,800 | 35.2 | 274.0 | 14,100 | 42.3 | 286.5 | 10,300 | 48.3 | 293.8 | 6,700 | 205 |
| 210 | | | | 12.7 | 215.2 | 19,100* | 22.2 | 241.9 | 17,000 | 32.3 | 266.4 | 13,300 | 39.8 | 280.7 | 9,700 | 46.1 | 289.1 | 6,200 | 210 |
| 215 | | | | | | | 17.4 | 227.7 | 16,100 | 29.1 | 257.8 | 12,600 | 37.3 | 274.3 | 9,100 | 43.9 | 284.0 | 5,600 | 215 |
| 220 | | | | | | | 10.6 | 207.0 | 15,300 | 25.6 | 248.0 | 11,900 | 34.5 | 267.3 | 8,500 | 41.5 | 278.5 | 5,100 | 220 |
| 225 | | | | | | | | | | 21.5 | 236.3 | 11,200 | 31.6 | 259.5 | 7,900 | 39.0 | 272.5 | 4,700 | 225 |
| 230 | | | | | | | | | | 16.5 | 221.4 | 10,600 | 28.3 | 250.7 | 7,400 | 36.4 | 265.9 | 4,200 | 230 |
| 235 | | | | | | | | | | 9.1 | 198.7 | 9,900 | 24.7 | 240.5 | 6,800 | | | | 235 |
| 240 | | | | | | | | | | | | | 20.5 | 228.2 | 6,300 | | | | 240 |
| 245 | | | | | | | | | | | | | 15.2 | 212.3 | 5,800 | | | | 245 |
| 250 | | | | | | | | | | | | | 6.3 | 185.0 | 5,300 | | | | 250 |

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

DESIGNED AND TESTED
WITH THE INTENT TO BE
THE SCOPE OF ANSI B30.5

M-250 SERIES 2

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING**

165 FT. BOOM, 190 FT. JIB

| JIB OPER. RAD. FEET | 88 DEGREE BOOM ANGLE | | | 83 DEGREE BOOM ANGLE | | | 80 DEGREE BOOM ANGLE | | | 75 DEGREE BOOM ANGLE | | | 70 DEGREE BOOM ANGLE | | | 65 DEGREE BOOM ANGLE | | | JIB OPER. RAD. FEET |
|---------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|---------------------|
| | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | |
| 70 | 75.0 | 361.8 | 56,600* | | | | | | | | | | | | | | | | 70 |
| 75 | 73.4 | 360.4 | 56,000* | | | | | | | | | | | | | | | | 75 |
| 80 | 71.8 | 358.8 | 54,700* | | | | | | | | | | | | | | | | 80 |
| 85 | 70.2 | 357.0 | 53,200* | | | | | | | | | | | | | | | | 85 |
| 90 | 68.6 | 355.1 | 51,600* | | | | | | | | | | | | | | | | 90 |
| 95 | 67.0 | 353.0 | 49,800* | | | | | | | | | | | | | | | | 95 |
| 100 | 65.3 | 350.8 | 47,900* | 70.1 | 355.1 | 52,600* | | | | | | | | | | | | | 100 |
| 105 | 63.6 | 348.3 | 45,900* | 68.5 | 353.2 | 48,300* | | | | | | | | | | | | | 105 |
| 110 | 61.9 | 345.7 | 43,900* | 66.9 | 351.1 | 47,500* | | | | | | | | | | | | | 110 |
| 115 | 60.2 | 342.9 | 41,900* | 65.2 | 348.8 | 46,600* | | | | | | | | | | | | | 115 |
| 120 | 58.4 | 339.9 | 39,800* | 63.5 | 346.4 | 47,100 | 66.4 | 348.8 | 42,900 | | | | | | | | | | 120 |
| 125 | 56.7 | 336.7 | 37,800* | 61.8 | 343.7 | 44,400 | 64.8 | 346.5 | 40,400 | | | | | | | | | | 125 |
| 130 | 54.8 | 333.2 | 35,800* | 60.1 | 340.9 | 41,800 | 63.1 | 344.0 | 38,000 | | | | | | | | | | 130 |
| 135 | 52.9 | 329.5 | 33,900* | 58.3 | 337.9 | 39,500 | 61.4 | 341.4 | 35,900 | | | | | | | | | | 135 |
| 140 | 51.0 | 325.5 | 32,100* | 56.5 | 334.7 | 37,400 | 59.6 | 338.5 | 33,900 | | | | | | | | | | 140 |
| 145 | 49.0 | 321.3 | 30,300* | 54.7 | 331.2 | 35,500 | 57.9 | 335.4 | 32,100 | 62.8 | 339.9 | 26,500 | | | | | | | 145 |
| 150 | 47.0 | 316.7 | 28,600* | 52.8 | 327.5 | 33,600 | 56.1 | 332.1 | 30,400 | 61.1 | 337.1 | 25,000 | | | | | | | 150 |
| 155 | 44.9 | 311.8 | 27,000* | 50.9 | 323.5 | 31,900 | 54.2 | 328.6 | 28,800 | 59.4 | 334.2 | 23,600 | | | | | | | 155 |
| 160 | 42.7 | 306.5 | 25,500* | 48.9 | 319.2 | 30,300 | 52.3 | 324.8 | 27,300 | 57.6 | 331.1 | 22,300 | | | | | | | 160 |
| 165 | 40.4 | 300.8 | 24,100* | 46.9 | 314.6 | 28,900 | 50.4 | 320.7 | 25,900 | 55.8 | 327.8 | 21,000 | | | | | | | 165 |
| 170 | 38.0 | 294.6 | 22,700* | 44.7 | 309.7 | 27,500 | 48.4 | 316.4 | 24,600 | 53.9 | 324.2 | 19,900 | | | | | | | 170 |
| 175 | 35.5 | 287.8 | 21,500* | 42.5 | 304.4 | 26,100 | 46.3 | 311.7 | 23,400 | 52.0 | 320.4 | 18,800 | 57.2 | 325.4 | 14,300 | | | | 175 |
| 180 | 32.7 | 280.3 | 20,300* | 40.2 | 298.6 | 24,900 | 44.2 | 306.7 | 22,200 | 50.1 | 316.3 | 17,800 | 55.4 | 322.0 | 13,500 | | | | 180 |
| 185 | 29.8 | 271.9 | 19,200* | 37.8 | 292.4 | 23,700 | 41.9 | 301.3 | 21,100 | 48.1 | 311.9 | 16,800 | 53.5 | 318.4 | 12,600 | | | | 185 |
| 190 | 26.6 | 262.5 | 18,100* | 35.3 | 285.5 | 22,600 | 39.6 | 295.4 | 20,100 | 46.0 | 307.2 | 15,900 | 51.6 | 314.5 | 11,800 | | | | 190 |
| 195 | 22.9 | 251.4 | 17,200* | 32.5 | 278.0 | 21,600 | 37.2 | 289.0 | 19,100 | 43.8 | 302.1 | 15,100 | 49.6 | 310.3 | 11,100 | | | | 195 |
| 200 | 18.6 | 237.9 | 16,300* | 29.6 | 269.6 | 20,600 | 34.6 | 282.0 | 18,200 | 41.6 | 296.6 | 14,300 | 47.6 | 305.9 | 10,400 | 52.9 | 310.9 | 6,600 | 200 |
| 205 | 12.9 | 219.7 | 15,500* | 26.3 | 260.0 | 19,600 | 31.8 | 274.2 | 17,300 | 39.3 | 290.7 | 13,500 | 45.5 | 301.1 | 9,700 | 51.0 | 307.0 | 6,100 | 205 |
| 210 | | | | 22.6 | 248.8 | 18,700 | 28.8 | 265.5 | 16,500 | 36.8 | 284.2 | 12,800 | 43.4 | 295.9 | 9,100 | 49.0 | 302.7 | 5,500 | 210 |
| 215 | | | | 18.2 | 235.1 | 17,800* | 25.4 | 255.6 | 15,700 | 34.2 | 277.1 | 12,000 | 41.1 | 290.3 | 8,500 | 46.9 | 298.1 | 5,000 | 215 |
| 220 | | | | 12.4 | 216.3 | 16,900* | 21.6 | 243.8 | 14,900 | 31.4 | 269.2 | 11,400 | 38.7 | 284.2 | 7,900 | 44.8 | 293.2 | 4,500 | 220 |
| 225 | | | | | | | 16.9 | 229.2 | 14,100 | 28.3 | 260.3 | 10,700 | 36.2 | 277.6 | 7,300 | 42.6 | 287.9 | 4,000 | 225 |
| 230 | | | | | | | 10.3 | 207.9 | 13,400 | 24.9 | 250.2 | 10,100 | 33.6 | 270.3 | 6,800 | | | | 230 |
| 235 | | | | | | | | | | 20.9 | 238.1 | 9,500 | 30.7 | 262.3 | 6,300 | | | | 235 |
| 240 | | | | | | | | | | 16.1 | 222.8 | 8,900 | 27.6 | 253.1 | 5,800 | | | | 240 |
| 245 | | | | | | | | | | 8.9 | 199.5 | 8,300 | 24.0 | 242.6 | 5,300 | | | | 245 |
| 250 | | | | | | | | | | | | | 19.9 | 230.0 | 4,800 | | | | 250 |
| 255 | | | | | | | | | | | | | 14.8 | 213.6 | 4,400 | | | | 255 |

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

DESIGNED AND TESTED
WITH THE INTENT TO BE
THE SCOPE OF ANSI B30.5

M-250 SERIES 2

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING**

165 FT. BOOM, 200 FT. JIB

| JIB OPER. RAD. FEET | 88 DEGREE BOOM ANGLE | | | 83 DEGREE BOOM ANGLE | | | 80 DEGREE BOOM ANGLE | | | 75 DEGREE BOOM ANGLE | | | 70 DEGREE BOOM ANGLE | | | JIB OPER. RAD. FEET |
|---------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|---------------------|
| | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | |
| 70 | 75.7 | 372.2 | 51,200* | | | | | | | | | | | | | 70 |
| 75 | 74.3 | 370.8 | 50,900* | | | | | | | | | | | | | 75 |
| 80 | 72.8 | 369.3 | 50,800* | | | | | | | | | | | | | 80 |
| 85 | 71.2 | 367.6 | 49,600* | | | | | | | | | | | | | 85 |
| 90 | 69.7 | 365.8 | 48,200* | | | | | | | | | | | | | 90 |
| 95 | 68.2 | 363.9 | 46,800* | | | | | | | | | | | | | 95 |
| 100 | 66.6 | 361.7 | 45,200* | | | | | | | | | | | | | 100 |
| 105 | 65.1 | 359.5 | 43,600* | 69.6 | 363.9 | 48,100* | | | | | | | | | | 105 |
| 110 | 63.5 | 357.0 | 41,900* | 68.1 | 361.9 | 47,700* | | | | | | | | | | 110 |
| 115 | 61.8 | 354.4 | 40,200* | 66.5 | 359.8 | 47,300* | | | | | | | | | | 115 |
| 120 | 60.2 | 351.6 | 38,400* | 64.9 | 357.5 | 46,400 | 67.7 | 359.7 | 42,200 | | | | | | | 120 |
| 125 | 58.5 | 348.6 | 36,600* | 63.3 | 355.0 | 43,700 | 66.1 | 357.5 | 39,600 | | | | | | | 125 |
| 130 | 56.8 | 345.3 | 34,900* | 61.7 | 352.4 | 41,200 | 64.5 | 355.2 | 37,300 | | | | | | | 130 |
| 135 | 55.1 | 341.9 | 33,100* | 60.1 | 349.6 | 38,900 | 62.9 | 352.7 | 35,200 | | | | | | | 135 |
| 140 | 53.3 | 338.3 | 31,500* | 58.4 | 346.6 | 36,800 | 61.3 | 350.0 | 33,200 | | | | | | | 140 |
| 145 | 51.5 | 334.4 | 29,800* | 56.7 | 343.3 | 34,800 | 59.6 | 347.1 | 31,400 | | | | | | | 145 |
| 150 | 49.6 | 330.2 | 28,300* | 55.0 | 339.9 | 33,000 | 58.0 | 344.1 | 29,700 | 62.7 | 348.5 | 24,200 | | | | 150 |
| 155 | 47.7 | 325.7 | 26,800* | 53.2 | 336.2 | 31,300 | 56.3 | 340.8 | 28,100 | 61.1 | 345.8 | 22,800 | | | | 155 |
| 160 | 45.7 | 321.0 | 25,300* | 51.4 | 332.3 | 29,700 | 54.5 | 337.3 | 26,600 | 59.4 | 342.9 | 21,500 | | | | 160 |
| 165 | 43.7 | 315.9 | 23,900* | 49.5 | 328.1 | 28,200 | 52.7 | 333.6 | 25,200 | 57.7 | 339.8 | 20,300 | | | | 165 |
| 170 | 41.6 | 310.4 | 22,700* | 47.6 | 323.6 | 26,800 | 50.9 | 329.6 | 23,900 | 56.0 | 336.5 | 19,200 | | | | 170 |
| 175 | 39.3 | 304.4 | 21,400* | 45.6 | 318.9 | 25,500 | 49.0 | 325.3 | 22,700 | 54.2 | 333.0 | 18,100 | | | | 175 |
| 180 | 37.0 | 298.0 | 20,300* | 43.5 | 313.7 | 24,300 | 47.1 | 320.8 | 21,600 | 52.4 | 329.2 | 17,100 | 57.3 | 334.1 | 12,700 | 180 |
| 185 | 34.5 | 290.9 | 19,200* | 41.4 | 308.2 | 23,100 | 45.1 | 315.9 | 20,500 | 50.6 | 325.2 | 16,100 | 55.6 | 330.7 | 11,900 | 185 |
| 190 | 31.9 | 283.2 | 18,200* | 39.2 | 302.2 | 22,000 | 43.0 | 310.6 | 19,500 | 48.7 | 320.9 | 15,200 | 53.8 | 327.1 | 11,100 | 190 |
| 195 | 29.0 | 274.5 | 17,200* | 36.8 | 295.7 | 21,000 | 40.8 | 305.0 | 18,500 | 46.8 | 316.3 | 14,400 | 52.0 | 323.3 | 10,300 | 195 |
| 200 | 25.9 | 264.8 | 16,300* | 34.3 | 288.6 | 20,000 | 38.6 | 298.9 | 17,600 | 44.8 | 311.3 | 13,600 | 50.2 | 319.2 | 9,600 | 200 |
| 205 | 22.3 | 253.4 | 15,500* | 31.7 | 280.8 | 19,100 | 36.2 | 292.3 | 16,700 | 42.7 | 306.0 | 12,800 | 48.3 | 314.8 | 9,000 | 205 |
| 210 | 18.1 | 239.5 | 14,700* | 28.8 | 272.1 | 18,200 | 33.7 | 285.0 | 15,900 | 40.5 | 300.3 | 12,100 | 46.3 | 310.2 | 8,400 | 210 |
| 215 | 12.5 | 220.8 | 14,000* | 25.6 | 262.2 | 17,300* | 31.0 | 277.0 | 15,100 | 38.2 | 294.1 | 11,400 | 44.3 | 305.1 | 7,700 | 215 |
| 220 | | | | 22.0 | 250.7 | 16,400* | 28.0 | 268.0 | 14,300 | 35.8 | 287.4 | 10,700 | 42.2 | 299.8 | 7,200 | 220 |
| 225 | | | | 17.7 | 236.6 | 15,500* | 24.7 | 257.7 | 13,600 | 33.3 | 280.1 | 10,100 | 40.0 | 294.0 | 6,600 | 225 |
| 230 | | | | 12.0 | 217.3 | 14,700* | 21.0 | 245.7 | 12,900 | 30.5 | 271.9 | 9,500 | 37.7 | 287.7 | 6,100 | 230 |
| 235 | | | | | | | 16.5 | 230.6 | 12,200 | 27.6 | 262.8 | 8,900 | 35.3 | 280.8 | 5,600 | 235 |
| 240 | | | | | | | 10.0 | 208.7 | 11,500 | 24.2 | 252.3 | 8,300 | 32.7 | 273.3 | 5,100 | 240 |
| 245 | | | | | | | | | | 20.4 | 239.9 | 7,700 | 29.9 | 264.9 | 4,600 | 245 |
| 250 | | | | | | | | | | 15.7 | 224.2 | 7,200 | 26.8 | 255.5 | 4,200 | 250 |
| 255 | | | | | | | | | | 8.7 | 200.2 | 6,600 | | | | 255 |

MANITOWOC ENGINEERING CO.

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LIFTCRANE LUFFING JIB CAPACITIES

DESIGNED AND TESTED
WITH THE INTENT TO BE
THE SCOPE OF ANSI B30.5

M-250 SERIES 2

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING**

175 FT. BOOM, 70 FT. JIB

| JIB OPER. RAD. FEET | 88 DEGREE BOOM ANGLE | | | 83 DEGREE BOOM ANGLE | | | 80 DEGREE BOOM ANGLE | | | 75 DEGREE BOOM ANGLE | | | 70 DEGREE BOOM ANGLE | | | 65 DEGREE BOOM ANGLE | | | 60 DEGREE BOOM ANGLE | | | JIB OPER. RAD. FEET |
|------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|------------------------------|
| | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | |
| 55 | 60.9 | 249.2 | 106,500*b | | | | | | | | | | | | | | | | | | | 55 |
| 60 | 56.0 | 246.0 | 100,900*b | | | | | | | | | | | | | | | | | | | 60 |
| 65 | 50.9 | 242.1 | 95,800*b | | | | | | | | | | | | | | | | | | | 65 |
| 70 | 45.3 | 237.5 | 91,200* | 61.4 | 247.6 | 104,900*b | | | | | | | | | | | | | | | | 70 |
| 75 | 39.1 | 231.7 | 87,000* | 56.6 | 244.5 | 99,600*b | 65.3 | 248.1 | 103,300b | | | | | | | | | | | | | 75 |
| 80 | 31.8 | 224.4 | 83,300* | 51.4 | 240.7 | 94,800*b | 60.6 | 245.4 | 95,300b | | | | | | | | | | | | | 80 |
| 85 | 22.5 | 214.2 | 76,300* | 45.9 | 236.2 | 90,400* | 55.8 | 242.2 | 88,300b | | | | | | | | | | | | | 85 |
| 90 | | | | 39.7 | 230.6 | 86,300 | 50.6 | 238.3 | 82,200b | | | | | | | | | | | | | 90 |
| 95 | | | | 32.6 | 223.5 | 80,600 | 45.0 | 233.6 | 76,900 | 60.8 | 241.5 | 70,600b | | | | | | | | | | 95 |
| 100 | | | | 23.6 | 213.7 | 75,600 | 38.7 | 227.8 | 72,100 | 55.9 | 238.3 | 66,200b | | | | | | | | | | 100 |
| 105 | | | | 6.8 | 193.9 | 70,900 | 31.4 | 220.4 | 67,800 | 50.7 | 234.4 | 62,300b | | | | | | | | | | 105 |
| 110 | | | | | | | 21.9 | 209.9 | 63,900 | 45.1 | 229.7 | 58,700 | | | | | | | | | | 110 |
| 115 | | | | | | | | | | 38.8 | 224.0 | 55,500 | 55.6 | 232.8 | 50,600b | | | | | | | 115 |
| 120 | | | | | | | | | | 31.5 | 216.6 | 52,600 | 50.4 | 228.9 | 47,900 | | | | | | | 120 |
| 125 | | | | | | | | | | 22.1 | 206.2 | 49,900 | 44.8 | 224.2 | 45,500 | | | | | | | 125 |
| 130 | | | | | | | | | | | | | 38.5 | 218.3 | 43,200 | | | | | | | 130 |
| 135 | | | | | | | | | | | | | 31.1 | 210.8 | 41,100 | 49.5 | 221.6 | 37,200 | | | | 135 |
| 140 | | | | | | | | | | | | | 21.5 | 200.2 | 39,200 | 43.8 | 216.7 | 35,400 | | | | 140 |
| 145 | | | | | | | | | | | | | | | | 37.3 | 210.7 | 33,800 | | | | 145 |
| 150 | | | | | | | | | | | | | | | | 29.7 | 202.8 | 32,300 | 47.9 | 212.6 | 28,900 | 150 |
| 155 | | | | | | | | | | | | | | | | 19.5 | 191.3 | 30,800 | 42.0 | 207.4 | 27,600 | 155 |
| 160 | | | | | | | | | | | | | | | | | | | 35.3 | 200.9 | 26,400 | 160 |
| 165 | | | | | | | | | | | | | | | | | | | 27.2 | 192.3 | 25,200 | 165 |
| 170 | | | | | | | | | | | | | | | | | | | 15.3 | 178.7 | 24,100 | 170 |

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LIFT CRANE LUFFING JIB CAPACITIES

DESIGNED AND TESTED
WITH THE INTENT TO BE
THE SCOPE OF ANSI B30.5

M-250 SERIES 2

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING**

175 FT. BOOM, 80 FT. JIB

| JIB OPER. RAD. FEET | 88 DEGREE BOOM ANGLE | | | 83 DEGREE BOOM ANGLE | | | 80 DEGREE BOOM ANGLE | | | 75 DEGREE BOOM ANGLE | | | 70 DEGREE BOOM ANGLE | | | 65 DEGREE BOOM ANGLE | | | 60 DEGREE BOOM ANGLE | | | JIB OPER. RAD. FEET |
|------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|------------------------------|
| | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | |
| 55 | 64.8 | 260.5 | 103,400*b | | | | | | | | | | | | | | | | | | | 55 |
| 60 | 60.8 | 257.8 | 98,100*b | | | | | | | | | | | | | | | | | | | 60 |
| 65 | 56.6 | 254.7 | 93,100*b | | | | | | | | | | | | | | | | | | | 65 |
| 70 | 52.1 | 251.0 | 88,700* | 65.3 | 258.9 | 101,900*b | | | | | | | | | | | | | | | | 70 |
| 75 | 47.3 | 246.6 | 84,600* | 61.2 | 256.3 | 97,000*b | | | | | | | | | | | | | | | | 75 |
| 80 | 42.2 | 241.4 | 80,900* | 57.0 | 253.2 | 89,300b | 64.6 | 256.8 | 83,000b | | | | | | | | | | | | | 80 |
| 85 | 36.4 | 235.1 | 75,500* | 52.6 | 249.5 | 82,500 | 60.6 | 254.1 | 76,700b | | | | | | | | | | | | | 85 |
| 90 | 29.6 | 227.1 | 68,700* | 47.8 | 245.2 | 76,600 | 56.3 | 250.9 | 71,200 | | | | | | | | | | | | | 90 |
| 95 | 20.9 | 216.0 | 62,800* | 42.7 | 240.1 | 71,400 | 51.8 | 247.2 | 66,300 | | | | | | | | | | | | | 95 |
| 100 | | | | 37.0 | 233.9 | 66,700 | 47.1 | 242.7 | 62,000 | 60.7 | 250.2 | 54,000b | | | | | | | | | | 100 |
| 105 | | | | 30.4 | 226.2 | 62,600 | 41.9 | 237.5 | 58,100 | 56.4 | 247.0 | 50,600 | | | | | | | | | | 105 |
| 110 | | | | 22.0 | 215.6 | 58,700 | 36.0 | 231.1 | 54,600 | 51.9 | 243.3 | 47,500 | | | | | | | | | | 110 |
| 115 | | | | 6.3 | 194.3 | 55,100 | 29.2 | 223.0 | 51,400 | 47.2 | 238.9 | 44,700 | | | | | | | | | | 115 |
| 120 | | | | | | | 20.4 | 211.7 | 48,400 | 42.0 | 233.6 | 42,100 | 56.2 | 241.5 | 35,800 | | | | | | | 120 |
| 125 | | | | | | | | | | 36.2 | 227.3 | 39,800 | 51.7 | 237.7 | 33,800 | | | | | | | 125 |
| 130 | | | | | | | | | | 29.4 | 219.2 | 37,600 | 46.9 | 233.3 | 31,900 | | | | | | | 130 |
| 135 | | | | | | | | | | 20.6 | 208.0 | 35,500 | 41.7 | 228.0 | 30,100 | | | | | | | 135 |
| 140 | | | | | | | | | | | | | 35.8 | 221.6 | 28,500 | 50.9 | 230.5 | 23,400 | | | | 140 |
| 145 | | | | | | | | | | | | | 29.0 | 213.4 | 27,000 | 46.1 | 226.0 | 22,100 | | | | 145 |
| 150 | | | | | | | | | | | | | 20.0 | 201.9 | 25,500 | 40.8 | 220.5 | 20,900 | | | | 150 |
| 155 | | | | | | | | | | | | | | | | 34.8 | 213.8 | 19,700 | | | | 155 |
| 160 | | | | | | | | | | | | | | | | 27.7 | 205.3 | 18,600 | 44.6 | 216.7 | 14,400 | 160 |
| 165 | | | | | | | | | | | | | | | | 18.1 | 192.9 | 17,600 | 39.1 | 211.0 | 13,600 | 165 |
| 170 | | | | | | | | | | | | | | | | | | | 32.9 | 203.9 | 12,800 | 170 |
| 175 | | | | | | | | | | | | | | | | | | | 25.3 | 194.5 | 12,000 | 175 |
| 180 | | | | | | | | | | | | | | | | | | | 14.2 | 179.9 | 11,200 | 180 |

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

DESIGNED AND TESTED
WITH THE INTENT TO BE
THE SCOPE OF ANSI B30.5

M-250 SERIES 2

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING**

175 FT. BOOM, 90 FT. JIB

| JIB OPER. RAD. FEET | 88 DEGREE BOOM ANGLE | | | 83 DEGREE BOOM ANGLE | | | 80 DEGREE BOOM ANGLE | | | 75 DEGREE BOOM ANGLE | | | 70 DEGREE BOOM ANGLE | | | 65 DEGREE BOOM ANGLE | | | 60 DEGREE BOOM ANGLE | | | JIB OPER. RAD. FEET |
|------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|------------------------------|
| | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | |
| 55 | 67.8 | 271.5 | 100,600*b | | | | | | | | | | | | | | | | | | | 55 |
| 60 | 64.3 | 269.2 | 95,500*b | | | | | | | | | | | | | | | | | | | 60 |
| 65 | 60.7 | 266.5 | 90,800* | | | | | | | | | | | | | | | | | | | 65 |
| 70 | 56.9 | 263.4 | 86,500* | 68.2 | 269.9 | 99,100*b | | | | | | | | | | | | | | | | 70 |
| 75 | 53.0 | 259.8 | 82,500* | 64.7 | 267.6 | 94,500*b | | | | | | | | | | | | | | | | 75 |
| 80 | 48.9 | 255.6 | 78,900* | 61.1 | 265.0 | 88,700 | 67.6 | 267.8 | 82,400b | | | | | | | | | | | | | 80 |
| 85 | 44.4 | 250.7 | 74,800* | 57.3 | 261.9 | 82,000 | 64.1 | 265.5 | 76,100b | | | | | | | | | | | | | 85 |
| 90 | 39.6 | 245.0 | 68,200* | 53.4 | 258.3 | 76,100 | 60.5 | 262.8 | 70,600 | | | | | | | | | | | | | 90 |
| 95 | 34.2 | 238.2 | 62,300* | 49.3 | 254.2 | 70,900 | 56.7 | 259.6 | 65,800 | | | | | | | | | | | | | 95 |
| 100 | 27.9 | 229.6 | 57,100* | 44.9 | 249.4 | 66,300 | 52.8 | 256.0 | 61,400 | | | | | | | | | | | | | 100 |
| 105 | 19.7 | 217.8 | 52,500* | 40.1 | 243.8 | 62,200 | 48.6 | 251.8 | 57,600 | 60.6 | 258.8 | 49,900 | | | | | | | | | | 105 |
| 110 | | | | 34.8 | 237.1 | 58,400 | 44.2 | 246.9 | 54,100 | 56.8 | 255.7 | 46,900 | | | | | | | | | | 110 |
| 115 | | | | 28.6 | 228.7 | 55,000 | 39.3 | 241.1 | 51,000 | 52.9 | 252.1 | 44,100 | | | | | | | | | | 115 |
| 120 | | | | 20.7 | 217.4 | 51,900 | 33.9 | 234.1 | 48,100 | 48.7 | 247.9 | 41,600 | | | | | | | | | | 120 |
| 125 | | | | 5.9 | 194.8 | 48,900 | 27.5 | 225.4 | 45,400 | 44.3 | 243.0 | 39,200 | 56.6 | 250.2 | 33,100 | | | | | | | 125 |
| 130 | | | | | | | 19.2 | 213.4 | 42,900 | 39.4 | 237.2 | 37,100 | 52.7 | 246.6 | 31,300 | | | | | | | 130 |
| 135 | | | | | | | | | | 34.0 | 230.3 | 35,100 | 48.5 | 242.3 | 29,500 | | | | | | | 135 |
| 140 | | | | | | | | | | 27.6 | 221.7 | 33,300 | 44.0 | 237.4 | 28,000 | | | | | | | 140 |
| 145 | | | | | | | | | | 19.4 | 209.7 | 31,500 | 39.1 | 231.6 | 26,500 | 52.0 | 239.4 | 21,400 | | | | 145 |
| 150 | | | | | | | | | | | | | 33.7 | 224.6 | 25,100 | 47.8 | 235.0 | 20,300 | | | | 150 |
| 155 | | | | | | | | | | | | | 27.2 | 215.8 | 23,800 | 43.3 | 230.0 | 19,200 | | | | 155 |
| 160 | | | | | | | | | | | | | 18.8 | 203.5 | 22,500 | 38.3 | 224.0 | 18,100 | | | | 160 |
| 165 | | | | | | | | | | | | | | | | 32.7 | 216.8 | 17,100 | 46.5 | 225.9 | 12,900 | 165 |
| 170 | | | | | | | | | | | | | | | | 26.0 | 207.6 | 16,200 | 41.9 | 220.6 | 12,200 | 170 |
| 175 | | | | | | | | | | | | | | | | 17.0 | 194.4 | 15,200 | 36.8 | 214.3 | 11,400 | 175 |
| 180 | | | | | | | | | | | | | | | | | | | 30.9 | 206.6 | 10,700 | 180 |
| 185 | | | | | | | | | | | | | | | | | | | 23.8 | 196.6 | 10,000 | 185 |
| 190 | | | | | | | | | | | | | | | | | | | 13.4 | 181.0 | 9,300 | 190 |

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

DESIGNED AND TESTED
WITH THE INTENT TO BE
THE SCOPE OF ANSI B30.5

M-250 SERIES 2

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING**

175 FT. BOOM, 100 FT. JIB

| JIB OPER. RAD. FEET | 88 DEGREE BOOM ANGLE | | | 83 DEGREE BOOM ANGLE | | | 80 DEGREE BOOM ANGLE | | | 75 DEGREE BOOM ANGLE | | | 70 DEGREE BOOM ANGLE | | | 65 DEGREE BOOM ANGLE | | | 60 DEGREE BOOM ANGLE | | | JIB OPER. RAD. FEET |
|------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|------------------------------|
| | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | |
| 55 | 70.1 | 282.3 | 97,400*b | | | | | | | | | | | | | | | | | | | 55 |
| 60 | 67.1 | 280.2 | 92,700*b | | | | | | | | | | | | | | | | | | | 60 |
| 65 | 63.9 | 277.9 | 88,300* | | | | | | | | | | | | | | | | | | | 65 |
| 70 | 60.6 | 275.2 | 84,100* | 70.5 | 280.6 | 96,000*b | | | | | | | | | | | | | | | | 70 |
| 75 | 57.3 | 272.1 | 80,300* | 67.4 | 278.6 | 91,700*b | | | | | | | | | | | | | | | | 75 |
| 80 | 53.7 | 268.5 | 76,800* | 64.2 | 276.3 | 87,600* | | | | | | | | | | | | | | | | 80 |
| 85 | 50.1 | 264.5 | 73,500* | 61.0 | 273.6 | 81,300 | 66.9 | 276.5 | 75,300b | | | | | | | | | | | | | 85 |
| 90 | 46.2 | 259.9 | 67,600* | 57.6 | 270.6 | 75,400 | 63.7 | 274.1 | 69,800 | | | | | | | | | | | | | 90 |
| 95 | 42.0 | 254.6 | 61,900* | 54.1 | 267.1 | 70,300 | 60.5 | 271.4 | 65,000 | | | | | | | | | | | | | 95 |
| 100 | 37.4 | 248.4 | 56,800* | 50.5 | 263.1 | 65,700 | 57.1 | 268.3 | 60,700 | | | | | | | | | | | | | 100 |
| 105 | 32.3 | 241.1 | 52,200* | 46.6 | 258.6 | 61,600 | 53.6 | 264.7 | 56,800 | | | | | | | | | | | | | 105 |
| 110 | 26.4 | 231.9 | 48,100* | 42.5 | 253.4 | 57,900 | 49.9 | 260.7 | 53,400 | 60.5 | 267.5 | 46,000 | | | | | | | | | | 110 |
| 115 | 18.6 | 219.4 | 44,500* | 37.9 | 247.3 | 54,500 | 46.0 | 256.0 | 50,300 | 57.1 | 264.4 | 43,200 | | | | | | | | | | 115 |
| 120 | | | | 32.9 | 240.1 | 51,400 | 41.8 | 250.7 | 47,400 | 53.6 | 260.8 | 40,700 | | | | | | | | | | 120 |
| 125 | | | | 27.0 | 231.1 | 48,600 | 37.2 | 244.5 | 44,800 | 50.0 | 256.8 | 38,400 | | | | | | | | | | 125 |
| 130 | | | | 19.6 | 219.1 | 46,000 | 32.1 | 237.0 | 42,400 | 46.1 | 252.2 | 36,300 | 56.9 | 258.9 | 30,300 | | | | | | | 130 |
| 135 | | | | 5.6 | 195.2 | 43,400 | 26.0 | 227.7 | 40,100 | 41.9 | 246.9 | 34,400 | 53.4 | 255.3 | 28,600 | | | | | | | 135 |
| 140 | | | | | | | 18.1 | 214.9 | 38,000 | 37.3 | 240.6 | 32,600 | 49.7 | 251.3 | 27,100 | | | | | | | 140 |
| 145 | | | | | | | | | | 32.2 | 233.2 | 30,900 | 45.8 | 246.6 | 25,600 | | | | | | | 145 |
| 150 | | | | | | | | | | 26.2 | 224.0 | 29,300 | 41.6 | 241.2 | 24,300 | 52.8 | 248.2 | 19,300 | | | | 150 |
| 155 | | | | | | | | | | 18.3 | 211.3 | 27,800 | 37.0 | 235.0 | 23,000 | 49.1 | 244.0 | 18,200 | | | | 155 |
| 160 | | | | | | | | | | | | | 31.9 | 227.5 | 21,800 | 45.2 | 239.2 | 17,200 | | | | 160 |
| 165 | | | | | | | | | | | | | 25.8 | 218.1 | 20,700 | 40.9 | 233.7 | 16,300 | | | | 165 |
| 170 | | | | | | | | | | | | | 17.8 | 205.1 | 19,500 | 36.2 | 227.3 | 15,300 | 48.0 | 234.9 | 11,200 | 170 |
| 175 | | | | | | | | | | | | | | | | 30.9 | 219.6 | 14,500 | 44.0 | 230.0 | 10,500 | 175 |
| 180 | | | | | | | | | | | | | | | | 24.6 | 209.8 | 13,700 | 39.6 | 224.2 | 9,800 | 180 |
| 185 | | | | | | | | | | | | | | | | 16.1 | 195.7 | 12,800 | 34.8 | 217.5 | 9,200 | 185 |
| 190 | | | | | | | | | | | | | | | | | | | 29.3 | 209.2 | 8,500 | 190 |
| 195 | | | | | | | | | | | | | | | | | | | 22.5 | 198.6 | 7,900 | 195 |
| 200 | | | | | | | | | | | | | | | | | | | 12.6 | 182.1 | 7,300 | 200 |

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

DESIGNED AND TESTED
WITH THE INTENT TO BE
THE SCOPE OF ANSI B30.5

M-250 SERIES 2

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING**

175 FT. BOOM, 110 FT. JIB

| JIB OPER. RAD. FEET | 88 DEGREE BOOM ANGLE | | | 83 DEGREE BOOM ANGLE | | | 80 DEGREE BOOM ANGLE | | | 75 DEGREE BOOM ANGLE | | | 70 DEGREE BOOM ANGLE | | | 65 DEGREE BOOM ANGLE | | | 60 DEGREE BOOM ANGLE | | | JIB OPER. RAD. FEET |
|------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|------------------------------|
| | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | |
| 55 | 72.0 | 292.9 | 94,600*b | | | | | | | | | | | | | | | | | | | 55 |
| 60 | 69.3 | 291.1 | 90,200*b | | | | | | | | | | | | | | | | | | | 60 |
| 65 | 66.4 | 289.0 | 86,000* | | | | | | | | | | | | | | | | | | | 65 |
| 70 | 63.5 | 286.5 | 82,100* | | | | | | | | | | | | | | | | | | | 70 |
| 75 | 60.6 | 283.8 | 78,400* | 69.5 | 289.4 | 89,200*b | | | | | | | | | | | | | | | | 75 |
| 80 | 57.5 | 280.7 | 75,100* | 66.7 | 287.3 | 85,400* | | | | | | | | | | | | | | | | 80 |
| 85 | 54.3 | 277.3 | 71,900* | 63.8 | 285.0 | 80,600 | | | | | | | | | | | | | | | | 85 |
| 90 | 51.0 | 273.4 | 66,800* | 60.9 | 282.3 | 74,800 | 66.3 | 285.2 | 69,100 | | | | | | | | | | | | | 90 |
| 95 | 47.6 | 269.0 | 61,500* | 57.8 | 279.2 | 69,600 | 63.4 | 282.8 | 64,300 | | | | | | | | | | | | | 95 |
| 100 | 43.9 | 264.0 | 56,600* | 54.7 | 275.8 | 65,100 | 60.4 | 280.1 | 60,000 | | | | | | | | | | | | | 100 |
| 105 | 39.9 | 258.3 | 52,100* | 51.4 | 272.0 | 61,000 | 57.3 | 277.0 | 56,200 | | | | | | | | | | | | | 105 |
| 110 | 35.6 | 251.7 | 48,100* | 47.9 | 267.6 | 57,300 | 54.2 | 273.5 | 52,700 | | | | | | | | | | | | | 110 |
| 115 | 30.8 | 243.8 | 44,500* | 44.3 | 262.7 | 53,900 | 50.9 | 269.6 | 49,600 | 60.5 | 276.2 | 42,500 | | | | | | | | | | 115 |
| 120 | 25.1 | 234.1 | 41,200* | 40.4 | 257.1 | 50,900 | 47.4 | 265.1 | 46,800 | 57.4 | 273.1 | 40,000 | | | | | | | | | | 120 |
| 125 | 17.7 | 220.9 | 38,400* | 36.1 | 250.6 | 48,100 | 43.7 | 260.1 | 44,200 | 54.2 | 269.6 | 37,700 | | | | | | | | | | 125 |
| 130 | | | | 31.3 | 242.9 | 45,500 | 39.7 | 254.3 | 41,800 | 50.9 | 265.7 | 35,700 | | | | | | | | | | 130 |
| 135 | | | | 25.7 | 233.4 | 43,200 | 35.4 | 247.7 | 39,600 | 47.5 | 261.2 | 33,700 | 57.2 | 267.6 | 27,900 | | | | | | | 135 |
| 140 | | | | 18.6 | 220.7 | 40,900 | 30.5 | 239.8 | 37,600 | 43.8 | 256.2 | 31,900 | 54.1 | 264.1 | 26,400 | | | | | | | 140 |
| 145 | | | | 5.3 | 195.6 | 38,700 | 24.7 | 229.9 | 35,700 | 39.8 | 250.5 | 30,300 | 50.7 | 260.1 | 24,900 | | | | | | | 145 |
| 150 | | | | | | | 17.2 | 216.4 | 33,900 | 35.5 | 243.9 | 28,700 | 47.2 | 255.7 | 23,600 | | | | | | | 150 |
| 155 | | | | | | | | | | 30.6 | 236.0 | 27,300 | 43.5 | 250.6 | 22,300 | | | | | | | 155 |
| 160 | | | | | | | | | | 24.9 | 226.2 | 25,900 | 39.6 | 244.9 | 21,200 | 50.2 | 252.9 | 16,500 | | | | 160 |
| 165 | | | | | | | | | | 17.4 | 212.8 | 24,600 | 35.2 | 238.2 | 20,100 | 46.7 | 248.4 | 15,600 | | | | 165 |
| 170 | | | | | | | | | | | | | 30.3 | 230.2 | 19,000 | 42.9 | 243.2 | 14,700 | | | | 170 |
| 175 | | | | | | | | | | | | | 24.5 | 220.2 | 18,000 | 38.9 | 237.3 | 13,800 | | | | 175 |
| 180 | | | | | | | | | | | | | 16.9 | 206.5 | 17,000 | 34.5 | 230.4 | 13,000 | 45.6 | 239.2 | 9,100 | 180 |
| 185 | | | | | | | | | | | | | | | | 29.4 | 222.2 | 12,300 | 41.8 | 233.8 | 8,500 | 185 |
| 190 | | | | | | | | | | | | | | | | 23.4 | 211.8 | 11,500 | 37.7 | 227.7 | 7,900 | 190 |
| 195 | | | | | | | | | | | | | | | | 15.3 | 197.1 | 10,800 | 33.1 | 220.5 | 7,300 | 195 |
| 200 | | | | | | | | | | | | | | | | | | | 27.8 | 211.7 | 6,800 | 200 |
| 205 | | | | | | | | | | | | | | | | | | | 21.4 | 200.5 | 6,200 | 205 |
| 210 | | | | | | | | | | | | | | | | | | | 12.0 | 183.1 | 5,600 | 210 |

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

DESIGNED AND TESTED
WITH THE INTENT TO BE
THE SCOPE OF ANSI B30.5

M-250 SERIES 2

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING**

175 FT. BOOM, 120 FT. JIB

| JIB OPER. RAD. FEET | 88 DEGREE BOOM ANGLE | | | 83 DEGREE BOOM ANGLE | | | 80 DEGREE BOOM ANGLE | | | 75 DEGREE BOOM ANGLE | | | 70 DEGREE BOOM ANGLE | | | 65 DEGREE BOOM ANGLE | | | 60 DEGREE BOOM ANGLE | | | JIB OPER. RAD. FEET |
|---------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|---------------------|
| | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | |
| 55 | 73.6 | 303.4 | 91,500* | | | | | | | | | | | | | | | | | | | 55 |
| 60 | 71.1 | 301.7 | 87,400* | | | | | | | | | | | | | | | | | | | 60 |
| 65 | 68.5 | 299.8 | 83,400* | | | | | | | | | | | | | | | | | | | 65 |
| 70 | 65.9 | 297.7 | 79,800* | | | | | | | | | | | | | | | | | | | 70 |
| 75 | 63.2 | 295.2 | 76,300* | | | | | | | | | | | | | | | | | | | 75 |
| 80 | 60.5 | 292.5 | 73,100* | 68.8 | 298.2 | 82,800* | | | | | | | | | | | | | | | | 80 |
| 85 | 57.7 | 289.4 | 70,100* | 66.2 | 296.1 | 79,400* | | | | | | | | | | | | | | | | 85 |
| 90 | 54.8 | 286.0 | 65,600* | 63.5 | 293.6 | 74,100 | | | | | | | | | | | | | | | | 90 |
| 95 | 51.8 | 282.2 | 60,700* | 60.8 | 290.9 | 68,900 | 65.8 | 293.9 | 63,500 | | | | | | | | | | | | | 95 |
| 100 | 48.7 | 277.9 | 56,100* | 58.0 | 287.9 | 64,400 | 63.1 | 291.5 | 59,200 | | | | | | | | | | | | | 100 |
| 105 | 45.4 | 273.2 | 51,800* | 55.1 | 284.5 | 60,300 | 60.4 | 288.7 | 55,400 | | | | | | | | | | | | | 105 |
| 110 | 41.9 | 267.8 | 47,900* | 52.1 | 280.8 | 56,600 | 57.6 | 285.6 | 52,000 | | | | | | | | | | | | | 110 |
| 115 | 38.1 | 261.7 | 44,400* | 49.0 | 276.6 | 53,300 | 54.7 | 282.2 | 48,900 | | | | | | | | | | | | | 115 |
| 120 | 34.0 | 254.7 | 41,100* | 45.8 | 271.9 | 50,300 | 51.7 | 278.4 | 46,100 | 60.4 | 284.8 | 39,200 | | | | | | | | | | 120 |
| 125 | 29.4 | 246.4 | 38,200* | 42.3 | 266.6 | 47,500 | 48.5 | 274.1 | 43,500 | 57.6 | 281.7 | 36,900 | | | | | | | | | | 125 |
| 130 | 24.0 | 236.2 | 35,600* | 38.5 | 260.6 | 45,000 | 45.2 | 269.3 | 41,200 | 54.7 | 278.3 | 34,900 | | | | | | | | | | 130 |
| 135 | 16.9 | 222.4 | 33,200* | 34.5 | 253.7 | 42,600 | 41.7 | 263.9 | 39,000 | 51.7 | 274.5 | 33,000 | | | | | | | | | | 135 |
| 140 | | | | 29.9 | 245.5 | 40,500 | 37.9 | 257.8 | 37,000 | 48.6 | 270.2 | 31,200 | 57.5 | 276.3 | 25,500 | | | | | | | 140 |
| 145 | | | | 24.6 | 235.6 | 38,400 | 33.8 | 250.7 | 35,100 | 45.3 | 265.5 | 29,600 | 54.6 | 272.8 | 24,100 | | | | | | | 145 |
| 150 | | | | 17.8 | 222.2 | 36,500 | 29.1 | 242.4 | 33,400 | 41.8 | 260.1 | 28,000 | 51.6 | 269.0 | 22,800 | | | | | | | 150 |
| 155 | | | | 5.0 | 196.0 | 34,600 | 23.6 | 232.0 | 31,700 | 38.0 | 254.0 | 26,600 | 48.4 | 264.7 | 21,500 | | | | | | | 155 |
| 160 | | | | | | | 16.5 | 217.8 | 30,100 | 33.9 | 246.9 | 25,300 | 45.1 | 259.9 | 20,400 | | | | | | | 160 |
| 165 | | | | | | | | | | 29.3 | 238.6 | 24,000 | 41.6 | 254.5 | 19,300 | 51.1 | 261.8 | 14,700 | | | | 165 |
| 170 | | | | | | | | | | 23.8 | 228.3 | 22,800 | 37.8 | 248.3 | 18,300 | 47.9 | 257.4 | 13,800 | | | | 170 |
| 175 | | | | | | | | | | 16.7 | 214.2 | 21,600 | 33.6 | 241.2 | 17,300 | 44.5 | 252.5 | 13,000 | | | | 175 |
| 180 | | | | | | | | | | 29.0 | 232.8 | 16,400 | 41.0 | 247.0 | 12,200 | | | | | | | 180 |
| 185 | | | | | | | | | | 23.4 | 222.3 | 15,500 | 37.1 | 240.7 | 11,500 | 46.9 | 248.3 | 7,600 | | | | 185 |
| 190 | | | | | | | | | | 16.2 | 207.9 | 14,600 | 32.9 | 233.4 | 10,800 | 43.5 | 243.2 | 7,000 | | | | 190 |
| 195 | | | | | | | | | | | | | 28.1 | 224.7 | 10,100 | 39.9 | 237.5 | 6,500 | | | | 195 |
| 200 | | | | | | | | | | | | | 22.4 | 213.8 | 9,500 | 36.0 | 230.9 | 5,900 | | | | 200 |
| 205 | | | | | | | | | | | | | 14.6 | 198.3 | 8,800 | 31.6 | 223.3 | 5,400 | | | | 205 |
| 210 | | | | | | | | | | | | | | | | 26.6 | 214.1 | 4,900 | | | | 210 |
| 215 | | | | | | | | | | | | | | | | 20.5 | 202.3 | 4,400 | | | | 215 |

MANITOWOC ENGINEERING CO.

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



LIFT CRANE LUFFING JIB CAPACITIES

DESIGNED AND TESTED
WITH THE INTENT TO BE
THE SCOPE OF ANSI B30.5

M-250 SERIES 2

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING**

175 FT. BOOM, 130 FT. JIB

| JIB OPER. RAD. FEET | 88 DEGREE BOOM ANGLE | | | 83 DEGREE BOOM ANGLE | | | 80 DEGREE BOOM ANGLE | | | 75 DEGREE BOOM ANGLE | | | 70 DEGREE BOOM ANGLE | | | 65 DEGREE BOOM ANGLE | | | 60 DEGREE BOOM ANGLE | | | JIB OPER. RAD. FEET |
|---------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|---------------------|
| | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | |
| 55 | 74.9 | 313.8 | 87,400* | | | | | | | | | | | | | | | | | | | 55 |
| 60 | 72.6 | 312.3 | 83,600* | | | | | | | | | | | | | | | | | | | 60 |
| 65 | 70.2 | 310.6 | 80,100* | | | | | | | | | | | | | | | | | | | 65 |
| 70 | 67.9 | 308.6 | 76,700* | | | | | | | | | | | | | | | | | | | 70 |
| 75 | 65.5 | 306.4 | 73,500* | | | | | | | | | | | | | | | | | | | 75 |
| 80 | 63.0 | 303.9 | 70,500* | 70.5 | 308.9 | 79,300* | | | | | | | | | | | | | | | | 80 |
| 85 | 60.5 | 301.1 | 67,700* | 68.1 | 307.0 | 76,300* | | | | | | | | | | | | | | | | 85 |
| 90 | 57.9 | 298.1 | 64,600* | 65.7 | 304.8 | 73,400* | | | | | | | | | | | | | | | | 90 |
| 95 | 55.2 | 294.7 | 60,100* | 63.3 | 302.3 | 68,600 | 67.7 | 304.9 | 63,100 | | | | | | | | | | | | | 95 |
| 100 | 52.5 | 291.0 | 55,900* | 60.7 | 299.6 | 64,100 | 65.3 | 302.6 | 58,900 | | | | | | | | | | | | | 100 |
| 105 | 49.6 | 286.9 | 51,900* | 58.2 | 296.6 | 60,000 | 62.9 | 300.2 | 55,100 | | | | | | | | | | | | | 105 |
| 110 | 46.7 | 282.3 | 48,100* | 55.5 | 293.2 | 56,300 | 60.3 | 297.4 | 51,700 | | | | | | | | | | | | | 110 |
| 115 | 43.5 | 277.2 | 44,600* | 52.8 | 289.6 | 53,000 | 57.8 | 294.3 | 48,600 | | | | | | | | | | | | | 115 |
| 120 | 40.2 | 271.5 | 41,500* | 49.9 | 285.5 | 50,000 | 55.1 | 290.9 | 45,800 | 62.9 | 296.2 | 38,800 | | | | | | | | | | 120 |
| 125 | 36.6 | 265.1 | 38,500* | 47.0 | 281.0 | 47,300 | 52.3 | 287.2 | 43,200 | 60.4 | 293.5 | 36,600 | | | | | | | | | | 125 |
| 130 | 32.6 | 257.7 | 35,900* | 43.8 | 275.9 | 44,700 | 49.5 | 283.0 | 40,900 | 57.8 | 290.4 | 34,500 | | | | | | | | | | 130 |
| 135 | 28.2 | 249.0 | 33,400* | 40.5 | 270.3 | 42,400 | 46.5 | 278.4 | 38,700 | 55.2 | 287.0 | 32,600 | | | | | | | | | | 135 |
| 140 | 23.0 | 238.2 | 31,300* | 37.0 | 263.9 | 40,300 | 43.0 | 273.3 | 36,700 | 52.4 | 283.3 | 30,900 | | | | | | | | | | 140 |
| 145 | 16.2 | 223.8 | 29,300* | 33.1 | 256.6 | 38,300 | 40.0 | 267.6 | 34,900 | 49.5 | 279.2 | 29,300 | 57.7 | 284.9 | 23,700 | | | | | | | 145 |
| 150 | | | | 28.7 | 248.1 | 36,400 | 36.4 | 261.1 | 33,100 | 46.6 | 274.6 | 27,700 | 55.0 | 281.5 | 22,400 | | | | | | | 150 |
| 155 | | | | 23.6 | 237.6 | 34,600 | 32.4 | 253.6 | 31,500 | 43.4 | 269.5 | 26,300 | 52.2 | 277.8 | 21,200 | | | | | | | 155 |
| 160 | | | | 17.1 | 223.7 | 33,000 | 28.0 | 244.8 | 30,000 | 40.1 | 263.7 | 25,000 | 49.4 | 273.6 | 20,100 | | | | | | | 160 |
| 165 | | | | 4.8 | 196.4 | 31,300* | 22.7 | 234.0 | 28,600 | 36.5 | 257.3 | 23,800 | 46.4 | 269.0 | 19,000 | | | | | | | 165 |
| 170 | | | | | | | 15.8 | 219.2 | 27,200 | 32.5 | 249.8 | 22,600 | 43.2 | 263.9 | 18,000 | 51.8 | 270.6 | 13,500 | | | | 170 |
| 175 | | | | | | | | | | 28.1 | 241.1 | 21,500 | 39.9 | 258.1 | 17,100 | 48.9 | 266.4 | 12,700 | | | | 175 |
| 180 | | | | | | | | | | 22.8 | 230.3 | 20,400 | 36.2 | 251.6 | 16,200 | 45.9 | 261.7 | 11,900 | | | | 180 |
| 185 | | | | | | | | | | 16.0 | 215.6 | 19,400 | 32.3 | 244.1 | 15,300 | 42.7 | 256.4 | 11,200 | | | | 185 |
| 190 | | | | | | | | | | | | | 27.8 | 235.2 | 14,500 | 39.3 | 250.6 | 10,500 | | | | 190 |
| 195 | | | | | | | | | | | | | 22.5 | 224.3 | 13,700 | 35.6 | 243.9 | 9,900 | 45.0 | 252.5 | 6,200 | 195 |
| 200 | | | | | | | | | | | | | 15.5 | 209.3 | 12,900 | 31.6 | 236.2 | 9,300 | 41.7 | 247.1 | 5,700 | 200 |
| 205 | | | | | | | | | | | | | | | | 27.0 | 227.1 | 8,700 | 38.3 | 241.0 | 5,200 | 205 |
| 210 | | | | | | | | | | | | | | | | 21.5 | 215.7 | 8,100 | 34.5 | 234.1 | 4,700 | 210 |
| 215 | | | | | | | | | | | | | | | | 14.0 | 199.5 | 7,500 | 30.3 | 226.0 | 4,200 | 215 |

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

DESIGNED AND TESTED
WITH THE INTENT TO BE
THE SCOPE OF ANSI B30.5

M-250 SERIES 2

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING**

175 FT. BOOM, 140 FT. JIB

| JIB OPER. RAD. FEET | 88 DEGREE BOOM ANGLE | | | 83 DEGREE BOOM ANGLE | | | 80 DEGREE BOOM ANGLE | | | 75 DEGREE BOOM ANGLE | | | 70 DEGREE BOOM ANGLE | | | 65 DEGREE BOOM ANGLE | | | JIB OPER. RAD. FEET |
|------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|------------------------------|
| | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | |
| 55 | 76.0 | 324.2 | 84,200* | | | | | | | | | | | | | | | | 55 |
| 60 | 73.9 | 322.8 | 80,700* | | | | | | | | | | | | | | | | 60 |
| 65 | 71.7 | 321.2 | 77,400* | | | | | | | | | | | | | | | | 65 |
| 70 | 69.5 | 319.4 | 74,300* | | | | | | | | | | | | | | | | 70 |
| 75 | 67.3 | 317.3 | 71,300* | | | | | | | | | | | | | | | | 75 |
| 80 | 65.1 | 315.1 | 68,500* | | | | | | | | | | | | | | | | 80 |
| 85 | 62.8 | 312.6 | 65,800* | 69.8 | 317.7 | 73,900* | | | | | | | | | | | | | 85 |
| 90 | 60.4 | 309.8 | 62,700* | 67.6 | 315.7 | 71,100* | | | | | | | | | | | | | 90 |
| 95 | 58.1 | 306.8 | 58,700* | 65.3 | 313.5 | 67,900 | | | | | | | | | | | | | 95 |
| 100 | 55.6 | 303.4 | 54,800* | 63.0 | 311.0 | 63,400 | 67.2 | 313.6 | 58,100 | | | | | | | | | | 100 |
| 105 | 53.1 | 299.8 | 51,100* | 60.7 | 308.3 | 59,300 | 65.0 | 311.3 | 54,300 | | | | | | | | | | 105 |
| 110 | 50.4 | 295.7 | 47,600* | 58.3 | 305.2 | 55,700 | 62.7 | 308.8 | 50,900 | | | | | | | | | | 110 |
| 115 | 47.7 | 291.3 | 44,300* | 55.9 | 301.9 | 52,400 | 60.3 | 306.0 | 47,900 | | | | | | | | | | 115 |
| 120 | 44.8 | 286.5 | 41,300* | 53.3 | 298.3 | 49,400 | 57.9 | 303.0 | 45,100 | | | | | | | | | | 120 |
| 125 | 41.8 | 281.1 | 38,400* | 50.7 | 294.3 | 46,600 | 55.5 | 299.6 | 42,500 | 62.7 | 304.9 | 35,800 | | | | | | | 125 |
| 130 | 38.6 | 275.0 | 35,800* | 48.0 | 290.0 | 44,100 | 52.9 | 296.0 | 40,200 | 60.4 | 302.1 | 33,700 | | | | | | | 130 |
| 135 | 35.2 | 268.3 | 33,400* | 45.1 | 285.1 | 41,800 | 50.3 | 291.9 | 38,000 | 58.0 | 299.1 | 31,800 | | | | | | | 135 |
| 140 | 31.4 | 260.5 | 31,200* | 42.2 | 279.8 | 39,700 | 47.6 | 287.5 | 36,100 | 55.5 | 295.7 | 30,100 | | | | | | | 140 |
| 145 | 27.1 | 251.4 | 29,200* | 39.0 | 273.9 | 37,700 | 44.7 | 282.6 | 34,200 | 53.0 | 292.1 | 28,500 | | | | | | | 145 |
| 150 | 22.1 | 240.2 | 27,400* | 35.6 | 267.2 | 35,800 | 41.7 | 277.2 | 32,500 | 50.3 | 288.0 | 27,000 | 57.8 | 293.6 | 21,600 | | | | 150 |
| 155 | 15.6 | 225.1 | 25,800* | 31.8 | 259.5 | 34,100 | 38.5 | 271.1 | 30,900 | 47.6 | 283.6 | 25,600 | 55.4 | 290.2 | 20,400 | | | | 155 |
| 160 | | | | 27.6 | 250.5 | 32,500 | 35.0 | 264.3 | 29,400 | 44.8 | 278.7 | 24,300 | 52.8 | 286.6 | 19,300 | | | | 160 |
| 165 | | | | 22.7 | 239.6 | 30,900 | 31.2 | 256.4 | 28,000 | 41.7 | 273.3 | 23,100 | 50.2 | 282.5 | 18,200 | | | | 165 |
| 170 | | | | 16.4 | 225.1 | 29,500 | 26.9 | 247.2 | 26,700 | 38.5 | 267.3 | 21,900 | 47.5 | 278.1 | 17,200 | | | | 170 |
| 175 | | | | 4.6 | 196.7 | 27,800* | 21.8 | 235.9 | 25,400 | 35.1 | 260.4 | 20,800 | 44.6 | 273.1 | 16,300 | 52.4 | 279.4 | 11,800 | 175 |
| 180 | | | | | | | 15.2 | 220.5 | 24,200 | 31.3 | 252.6 | 19,800 | 41.6 | 267.7 | 15,400 | 49.8 | 275.3 | 11,100 | 180 |
| 185 | | | | | | | | | | 27.0 | 243.5 | 18,800 | 38.3 | 261.6 | 14,600 | 47.0 | 270.7 | 10,400 | 185 |
| 190 | | | | | | | | | | 22.0 | 232.2 | 17,900 | 34.9 | 254.7 | 13,800 | 44.1 | 265.7 | 9,700 | 190 |
| 195 | | | | | | | | | | 15.4 | 217.0 | 16,900 | 31.0 | 246.9 | 13,000 | 41.0 | 260.2 | 9,100 | 195 |
| 200 | | | | | | | | | | | | | 26.7 | 237.6 | 12,300 | 37.8 | 254.0 | 8,500 | 200 |
| 205 | | | | | | | | | | | | | 21.6 | 226.2 | 11,600 | 34.3 | 247.0 | 7,900 | 205 |
| 210 | | | | | | | | | | | | | 14.9 | 210.5 | 10,900 | 30.4 | 238.9 | 7,300 | 210 |
| 215 | | | | | | | | | | | | | | | | 26.0 | 229.4 | 6,800 | 215 |
| 220 | | | | | | | | | | | | | | | | 20.7 | 217.5 | 6,300 | 220 |
| 225 | | | | | | | | | | | | | | | | 13.5 | 200.7 | 5,700 | 225 |

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

DESIGNED AND TESTED
WITH THE INTENT TO BE
THE SCOPE OF ANSI B30.5

M-250 SERIES 2

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING**

175 FT. BOOM, 150 FT. JIB

| JIB OPER. RAD. FEET | 88 DEGREE BOOM ANGLE | | | 83 DEGREE BOOM ANGLE | | | 80 DEGREE BOOM ANGLE | | | 75 DEGREE BOOM ANGLE | | | 70 DEGREE BOOM ANGLE | | | 65 DEGREE BOOM ANGLE | | | JIB OPER. RAD. FEET |
|------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|------------------------------|
| | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | |
| 60 | 75.0 | 333.2 | 78,100* | | | | | | | | | | | | | | | | 60 |
| 65 | 73.0 | 331.7 | 75,100* | | | | | | | | | | | | | | | | 65 |
| 70 | 71.0 | 330.0 | 72,100* | | | | | | | | | | | | | | | | 70 |
| 75 | 68.9 | 328.1 | 69,400* | | | | | | | | | | | | | | | | 75 |
| 80 | 66.8 | 326.1 | 66,700* | | | | | | | | | | | | | | | | 80 |
| 85 | 64.7 | 323.8 | 63,900* | | | | | | | | | | | | | | | | 85 |
| 90 | 62.6 | 321.2 | 60,500* | 69.1 | 326.5 | 69,100* | | | | | | | | | | | | | 90 |
| 95 | 60.4 | 318.5 | 57,000* | 67.1 | 324.4 | 66,600* | | | | | | | | | | | | | 95 |
| 100 | 58.2 | 315.4 | 53,500* | 65.0 | 322.2 | 62,700 | | | | | | | | | | | | | 100 |
| 105 | 55.9 | 312.1 | 50,200* | 62.8 | 319.7 | 58,700 | 66.7 | 322.3 | 53,700 | | | | | | | | | | 105 |
| 110 | 53.5 | 308.5 | 47,000* | 60.6 | 316.9 | 55,000 | 64.6 | 320.0 | 50,300 | | | | | | | | | | 110 |
| 115 | 51.1 | 304.6 | 43,900* | 58.4 | 313.9 | 51,700 | 62.5 | 317.5 | 47,200 | | | | | | | | | | 115 |
| 120 | 48.6 | 300.3 | 41,000* | 56.1 | 310.6 | 48,800 | 60.3 | 314.7 | 44,400 | | | | | | | | | | 120 |
| 125 | 46.0 | 295.6 | 38,300* | 53.8 | 307.1 | 46,000 | 58.1 | 311.7 | 41,900 | | | | | | | | | | 125 |
| 130 | 43.2 | 290.4 | 35,800* | 51.4 | 303.2 | 43,500 | 55.8 | 308.3 | 39,600 | 62.5 | 313.6 | 33,000 | | | | | | | 130 |
| 135 | 40.3 | 284.8 | 33,500* | 48.9 | 298.9 | 41,200 | 53.4 | 304.7 | 37,400 | 60.3 | 310.8 | 31,200 | | | | | | | 135 |
| 140 | 37.3 | 278.4 | 31,300* | 46.3 | 294.3 | 39,100 | 51.0 | 300.8 | 35,400 | 58.1 | 307.8 | 29,400 | | | | | | | 140 |
| 145 | 33.9 | 271.3 | 29,300* | 43.5 | 289.2 | 37,100 | 48.5 | 296.5 | 33,600 | 55.8 | 304.4 | 27,800 | | | | | | | 145 |
| 150 | 30.3 | 263.2 | 27,500* | 40.6 | 283.5 | 35,300 | 45.8 | 291.7 | 31,900 | 53.5 | 300.8 | 26,300 | | | | | | | 150 |
| 155 | 26.2 | 253.7 | 25,800* | 37.6 | 277.3 | 33,600 | 43.1 | 286.6 | 30,300 | 51.0 | 296.9 | 24,900 | 58.0 | 302.3 | 19,700 | | | | 155 |
| 160 | 21.4 | 242.1 | 24,300* | 34.3 | 270.3 | 32,000 | 40.2 | 280.8 | 28,800 | 48.5 | 292.6 | 23,600 | 55.7 | 299.0 | 18,600 | | | | 160 |
| 165 | 15.1 | 226.4 | 23,000* | 30.7 | 262.2 | 30,400 | 37.1 | 274.5 | 27,400 | 45.9 | 287.9 | 22,400 | 53.3 | 295.3 | 17,500 | | | | 165 |
| 170 | | | | 26.6 | 252.9 | 29,000 | 33.7 | 267.3 | 26,100 | 43.1 | 282.7 | 21,300 | 50.9 | 291.4 | 16,500 | | | | 170 |
| 175 | | | | 21.9 | 241.6 | 27,700 | 30.1 | 259.1 | 24,900 | 40.2 | 277.0 | 20,200 | 48.4 | 287.0 | 15,600 | | | | 175 |
| 180 | | | | 15.8 | 226.5 | 26,400 | 26.0 | 249.5 | 23,700 | 37.2 | 270.6 | 19,200 | 45.7 | 282.3 | 14,700 | 52.9 | 288.2 | 10,400 | 180 |
| 185 | | | | 4.4 | 197.1 | 23,800* | 21.1 | 237.8 | 22,600 | 33.8 | 263.5 | 18,200 | 43.0 | 277.1 | 13,900 | 50.5 | 284.1 | 9,700 | 185 |
| 190 | | | | | | | 14.7 | 221.8 | 21,500 | 30.2 | 255.3 | 17,300 | 40.1 | 271.4 | 13,100 | 47.9 | 279.8 | 9,000 | 190 |
| 195 | | | | | | | | | | 26.0 | 245.8 | 16,400 | 37.0 | 265.0 | 12,400 | 45.3 | 274.9 | 8,400 | 195 |
| 200 | | | | | | | | | | 21.2 | 234.1 | 15,600 | 33.6 | 257.8 | 11,700 | 42.5 | 269.7 | 7,800 | 200 |
| 205 | | | | | | | | | | 14.8 | 218.2 | 14,800 | 29.9 | 249.5 | 11,000 | 39.6 | 263.8 | 7,200 | 205 |
| 210 | | | | | | | | | | | | | 25.8 | 239.9 | 10,300 | 36.4 | 257.3 | 6,700 | 210 |
| 215 | | | | | | | | | | | | | 20.9 | 228.0 | 9,700 | 33.1 | 250.0 | 6,200 | 215 |
| 220 | | | | | | | | | | | | | 14.4 | 211.8 | 9,100 | 29.3 | 241.5 | 5,700 | 220 |
| 225 | | | | | | | | | | | | | | | | 25.1 | 231.6 | 5,200 | 225 |
| 230 | | | | | | | | | | | | | | | | 20.0 | 219.2 | 4,700 | 230 |
| 235 | | | | | | | | | | | | | | | | 13.0 | 201.8 | 4,200 | 235 |

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

DESIGNED AND TESTED
WITH THE INTENT TO BE
THE SCOPE OF ANSI B30.5

M-250 SERIES 2

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING**

175 FT. BOOM, 160 FT. JIB

| JIB OPER. RAD. FEET | 88 DEGREE BOOM ANGLE | | | 83 DEGREE BOOM ANGLE | | | 80 DEGREE BOOM ANGLE | | | 75 DEGREE BOOM ANGLE | | | 70 DEGREE BOOM ANGLE | | | 65 DEGREE BOOM ANGLE | | | JIB OPER. RAD. FEET |
|------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|------------------------------|
| | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | |
| 60 | 75.9 | 343.5 | 72,700* | | | | | | | | | | | | | | | | 60 |
| 65 | 74.1 | 342.1 | 70,800* | | | | | | | | | | | | | | | | 65 |
| 70 | 72.2 | 340.6 | 68,700* | | | | | | | | | | | | | | | | 70 |
| 75 | 70.3 | 338.8 | 66,200* | | | | | | | | | | | | | | | | 75 |
| 80 | 68.4 | 336.9 | 63,600* | | | | | | | | | | | | | | | | 80 |
| 85 | 66.4 | 334.8 | 60,800* | | | | | | | | | | | | | | | | 85 |
| 90 | 64.4 | 332.4 | 57,900* | 70.5 | 337.2 | 66,700* | | | | | | | | | | | | | 90 |
| 95 | 62.4 | 329.9 | 54,900* | 68.6 | 335.3 | 64,500* | | | | | | | | | | | | | 95 |
| 100 | 60.4 | 327.1 | 51,900* | 66.6 | 333.2 | 62,000 | | | | | | | | | | | | | 100 |
| 105 | 58.3 | 324.1 | 48,900* | 64.7 | 330.9 | 58,000 | | | | | | | | | | | | | 105 |
| 110 | 56.2 | 320.8 | 46,000* | 62.7 | 328.3 | 54,400 | 66.3 | 331.1 | 49,500 | | | | | | | | | | 110 |
| 115 | 54.0 | 317.3 | 43,200* | 60.6 | 325.6 | 51,100 | 64.3 | 328.7 | 46,500 | | | | | | | | | | 115 |
| 120 | 51.7 | 313.4 | 40,500* | 58.5 | 322.6 | 48,100 | 62.3 | 326.2 | 43,700 | | | | | | | | | | 120 |
| 125 | 49.4 | 309.2 | 38,000* | 56.4 | 319.3 | 45,400 | 60.3 | 323.4 | 41,200 | | | | | | | | | | 125 |
| 130 | 46.9 | 304.7 | 35,600* | 54.2 | 315.8 | 42,900 | 58.2 | 320.3 | 38,800 | | | | | | | | | | 130 |
| 135 | 44.4 | 299.7 | 33,300* | 51.9 | 312.0 | 40,600 | 56.0 | 317.0 | 36,700 | 62.4 | 322.2 | 30,300 | | | | | | | 135 |
| 140 | 41.8 | 294.3 | 31,300* | 49.6 | 307.8 | 38,500 | 53.8 | 313.5 | 34,700 | 60.3 | 319.5 | 28,600 | | | | | | | 140 |
| 145 | 39.0 | 288.3 | 29,300* | 47.2 | 303.3 | 36,500 | 51.6 | 309.6 | 32,900 | 58.2 | 316.4 | 27,000 | | | | | | | 145 |
| 150 | 36.0 | 281.7 | 27,500* | 44.7 | 298.4 | 34,700 | 49.2 | 305.4 | 31,200 | 56.1 | 313.1 | 25,600 | | | | | | | 150 |
| 155 | 32.8 | 274.3 | 25,800* | 42.1 | 293.0 | 33,000 | 46.8 | 300.8 | 29,600 | 53.9 | 309.6 | 24,200 | | | | | | | 155 |
| 160 | 29.3 | 265.8 | 24,300* | 39.3 | 287.1 | 31,400 | 44.3 | 295.8 | 28,200 | 51.6 | 305.7 | 22,900 | | | | | | | 160 |
| 165 | 25.3 | 255.9 | 22,900* | 36.3 | 280.6 | 29,900 | 41.6 | 290.4 | 26,800 | 49.3 | 301.5 | 21,700 | 56.0 | 307.7 | 16,700 | | | | 165 |
| 170 | 20.7 | 243.9 | 21,600* | 33.2 | 273.2 | 28,500 | 38.8 | 284.4 | 25,500 | 46.9 | 297.0 | 20,600 | 53.8 | 304.1 | 15,700 | | | | 170 |
| 175 | 14.6 | 227.7 | 20,400* | 29.7 | 264.9 | 27,100 | 35.9 | 277.7 | 24,300 | 44.3 | 292.0 | 19,500 | 51.5 | 300.2 | 14,800 | | | | 175 |
| 180 | | | | 25.8 | 255.2 | 25,900 | 32.6 | 270.2 | 23,100 | 41.7 | 286.5 | 18,500 | 49.2 | 296.0 | 13,900 | | | | 180 |
| 185 | | | | 21.2 | 243.4 | 24,700 | 29.1 | 261.7 | 22,000 | 38.9 | 280.5 | 17,500 | 46.7 | 291.4 | 13,100 | | | | 185 |
| 190 | | | | 15.3 | 227.8 | 23,500 | 25.1 | 251.8 | 21,000 | 35.9 | 273.9 | 16,600 | 44.2 | 286.4 | 12,400 | 51.1 | 293.0 | 8,200 | 190 |
| 195 | | | | 4.3 | 197.4 | 21,100* | 20.4 | 239.5 | 20,000 | 32.7 | 266.4 | 15,800 | 41.5 | 280.9 | 11,600 | 48.8 | 288.7 | 7,600 | 195 |
| 200 | | | | | | | 14.2 | 223.0 | 19,000 | 29.2 | 257.9 | 15,000 | 38.7 | 274.9 | 10,900 | 46.3 | 284.1 | 7,000 | 200 |
| 205 | | | | | | | | | | 25.2 | 248.0 | 14,200 | 35.7 | 268.2 | 10,300 | 43.8 | 279.0 | 6,400 | 205 |
| 210 | | | | | | | | | | 20.5 | 235.9 | 13,400 | 32.5 | 260.7 | 9,600 | 41.1 | 273.4 | 5,900 | 210 |
| 215 | | | | | | | | | | 14.3 | 219.5 | 12,700 | 29.0 | 252.1 | 9,000 | 38.3 | 267.3 | 5,400 | 215 |
| 220 | | | | | | | | | | | | | 24.9 | 242.1 | 8,400 | 35.2 | 260.5 | 4,900 | 220 |
| 225 | | | | | | | | | | | | | 20.2 | 229.8 | 7,900 | 32.0 | 252.8 | 4,400 | 225 |
| 230 | | | | | | | | | | | | | 13.9 | 213.0 | 7,300 | 28.3 | 244.1 | 4,000 | 230 |

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

DESIGNED AND TESTED
WITH THE INTENT TO BE
THE SCOPE OF ANSI B30.5

M-250 SERIES 2

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING**

175 FT. BOOM, 170 FT. JIB

| JIB OPER. RAD. FEET | 88 DEGREE BOOM ANGLE | | | 83 DEGREE BOOM ANGLE | | | 80 DEGREE BOOM ANGLE | | | 75 DEGREE BOOM ANGLE | | | 70 DEGREE BOOM ANGLE | | | 65 DEGREE BOOM ANGLE | | | JIB OPER. RAD. FEET |
|---------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|---------------------|
| | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | |
| 65 | 75.0 | 352.5 | 65,800* | | | | | | | | | | | | | | | | 65 |
| 70 | 73.3 | 351.1 | 64,000* | | | | | | | | | | | | | | | | 70 |
| 75 | 71.5 | 349.5 | 62,100* | | | | | | | | | | | | | | | | 75 |
| 80 | 69.7 | 347.6 | 60,000* | | | | | | | | | | | | | | | | 80 |
| 85 | 67.9 | 345.7 | 57,700* | | | | | | | | | | | | | | | | 85 |
| 90 | 66.1 | 343.5 | 55,200* | | | | | | | | | | | | | | | | 90 |
| 95 | 64.2 | 341.1 | 52,700* | 69.9 | 346.0 | 62,400* | | | | | | | | | | | | | 95 |
| 100 | 62.3 | 338.6 | 50,100* | 68.1 | 344.0 | 60,400* | | | | | | | | | | | | | 100 |
| 105 | 60.4 | 335.8 | 47,500* | 66.2 | 341.9 | 57,600 | | | | | | | | | | | | | 105 |
| 110 | 58.4 | 332.8 | 44,900* | 64.4 | 339.5 | 54,000 | 67.8 | 342.0 | 49,100 | | | | | | | | | | 110 |
| 115 | 56.4 | 329.5 | 42,400* | 62.5 | 337.0 | 50,700 | 66.0 | 339.8 | 46,100 | | | | | | | | | | 115 |
| 120 | 54.3 | 326.0 | 39,900* | 60.6 | 334.2 | 47,700 | 64.1 | 337.4 | 43,300 | | | | | | | | | | 120 |
| 125 | 52.2 | 322.2 | 37,600* | 58.6 | 331.2 | 45,000 | 62.2 | 334.8 | 40,800 | | | | | | | | | | 125 |
| 130 | 50.0 | 318.1 | 35,300* | 56.6 | 328.0 | 42,500 | 60.3 | 332.0 | 38,500 | | | | | | | | | | 130 |
| 135 | 47.8 | 313.7 | 33,200* | 54.5 | 324.5 | 40,200 | 58.3 | 329.0 | 36,300 | | | | | | | | | | 135 |
| 140 | 45.5 | 308.9 | 31,200* | 52.4 | 320.8 | 38,100 | 56.3 | 325.7 | 34,400 | 62.2 | 330.9 | 28,200 | | | | | | | 140 |
| 145 | 43.0 | 303.7 | 29,300* | 50.3 | 316.7 | 36,100 | 54.2 | 322.2 | 32,600 | 60.3 | 328.1 | 26,700 | | | | | | | 145 |
| 150 | 40.5 | 298.0 | 27,500* | 48.0 | 312.3 | 34,300 | 52.1 | 318.4 | 30,900 | 58.3 | 325.1 | 25,200 | | | | | | | 150 |
| 155 | 37.8 | 291.7 | 25,900* | 45.7 | 307.6 | 32,600 | 49.9 | 314.3 | 29,300 | 56.3 | 321.8 | 23,800 | | | | | | | 155 |
| 160 | 34.9 | 284.8 | 24,400* | 43.3 | 302.4 | 31,000 | 47.7 | 309.9 | 27,800 | 54.3 | 318.3 | 22,500 | | | | | | | 160 |
| 165 | 31.8 | 277.1 | 23,000* | 40.7 | 296.8 | 29,600 | 45.3 | 305.0 | 26,500 | 52.2 | 314.5 | 21,300 | | | | | | | 165 |
| 170 | 28.4 | 268.3 | 21,600* | 38.1 | 290.6 | 28,200 | 42.9 | 299.8 | 25,200 | 50.0 | 310.4 | 20,200 | 56.2 | 316.3 | 15,300 | | | | 170 |
| 175 | 24.5 | 258.1 | 20,400* | 35.2 | 283.8 | 26,900 | 40.3 | 294.1 | 23,900 | 47.7 | 306.0 | 19,100 | 54.1 | 312.8 | 14,400 | | | | 175 |
| 180 | 20.0 | 245.6 | 19,300* | 32.1 | 276.1 | 25,600 | 37.6 | 287.8 | 22,800 | 45.4 | 301.2 | 18,200 | 52.0 | 309.0 | 13,600 | | | | 180 |
| 185 | 14.1 | 228.9 | 18,300* | 28.8 | 267.5 | 24,400 | 34.7 | 280.9 | 21,700 | 42.9 | 295.9 | 17,200 | 49.8 | 304.9 | 12,800 | | | | 185 |
| 190 | | | | 25.0 | 257.4 | 23,300 | 31.6 | 273.1 | 20,700 | 40.4 | 290.2 | 16,300 | 47.6 | 300.4 | 12,000 | | | | 190 |
| 195 | | | | 20.5 | 245.2 | 22,200 | 28.2 | 264.2 | 19,700 | 37.7 | 284.0 | 15,500 | 45.2 | 295.6 | 11,300 | 51.7 | 301.8 | 7,200 | 195 |
| 200 | | | | 14.8 | 229.1 | 21,200 | 24.3 | 253.9 | 18,800 | 34.8 | 277.0 | 14,700 | 42.8 | 290.3 | 10,600 | 49.5 | 297.6 | 6,600 | 200 |
| 205 | | | | 4.1 | 197.7 | 18,700* | 19.7 | 241.3 | 17,900 | 31.7 | 269.3 | 13,900 | 40.2 | 284.6 | 9,900 | 47.2 | 293.1 | 6,100 | 205 |
| 210 | | | | | | | 13.7 | 224.2 | 17,000 | 28.3 | 260.5 | 13,100 | 37.5 | 278.3 | 9,300 | 44.9 | 288.2 | 5,600 | 210 |
| 215 | | | | | | | | | | 24.4 | 250.2 | 12,400 | 34.6 | 271.3 | 8,700 | 42.4 | 282.9 | 5,100 | 215 |
| 220 | | | | | | | | | | 19.9 | 237.6 | 11,800 | 31.5 | 263.5 | 8,100 | 39.8 | 277.1 | 4,600 | 220 |
| 225 | | | | | | | | | | 13.9 | 220.7 | 11,100 | 28.1 | 254.6 | 7,600 | 37.1 | 270.7 | 4,100 | 225 |
| 230 | | | | | | | | | | | | | 24.2 | 244.2 | 7,100 | | | | 230 |
| 235 | | | | | | | | | | | | | 19.6 | 231.5 | 6,500 | | | | 235 |
| 240 | | | | | | | | | | | | | 13.5 | 214.1 | 6,000 | | | | 240 |

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

DESIGNED AND TESTED
WITH THE INTENT TO BE
THE SCOPE OF ANSI B30.5

M-250 SERIES 2

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING**

175 FT. BOOM, 180 FT. JIB

| JIB OPER. RAD. FEET | 88 DEGREE BOOM ANGLE | | | 83 DEGREE BOOM ANGLE | | | 80 DEGREE BOOM ANGLE | | | 75 DEGREE BOOM ANGLE | | | 70 DEGREE BOOM ANGLE | | | 65 DEGREE BOOM ANGLE | | | JIB OPER. RAD. FEET |
|---------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|---------------------|
| | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | |
| 65 | 75.9 | 362.9 | 60,800* | | | | | | | | | | | | | | | | 65 |
| 70 | 74.2 | 361.5 | 59,400* | | | | | | | | | | | | | | | | 70 |
| 75 | 72.6 | 360.0 | 57,900* | | | | | | | | | | | | | | | | 75 |
| 80 | 70.9 | 358.3 | 56,200* | | | | | | | | | | | | | | | | 80 |
| 85 | 69.2 | 356.4 | 54,300* | | | | | | | | | | | | | | | | 85 |
| 90 | 67.5 | 354.4 | 52,300* | | | | | | | | | | | | | | | | 90 |
| 95 | 65.7 | 352.2 | 50,200* | | | | | | | | | | | | | | | | 95 |
| 100 | 64.0 | 349.8 | 48,000* | 69.4 | 354.8 | 58,200* | | | | | | | | | | | | | 100 |
| 105 | 62.2 | 347.2 | 45,700* | 67.6 | 352.8 | 56,400* | | | | | | | | | | | | | 105 |
| 110 | 60.3 | 344.4 | 43,500* | 65.9 | 350.6 | 53,300 | | | | | | | | | | | | | 110 |
| 115 | 58.5 | 341.4 | 41,200* | 64.1 | 348.2 | 50,000 | 67.4 | 350.7 | 45,300 | | | | | | | | | | 115 |
| 120 | 56.6 | 338.2 | 39,000* | 62.4 | 345.7 | 47,100 | 65.6 | 348.5 | 42,600 | | | | | | | | | | 120 |
| 125 | 54.7 | 334.7 | 36,900* | 60.5 | 342.9 | 44,300 | 63.9 | 346.1 | 40,100 | | | | | | | | | | 125 |
| 130 | 52.7 | 331.0 | 34,800* | 58.7 | 339.9 | 41,900 | 62.1 | 343.5 | 37,800 | | | | | | | | | | 130 |
| 135 | 50.6 | 327.0 | 32,800* | 56.8 | 336.7 | 39,600 | 60.2 | 340.7 | 35,600 | | | | | | | | | | 135 |
| 140 | 48.5 | 322.7 | 30,900* | 54.9 | 333.3 | 37,500 | 58.4 | 337.7 | 33,700 | | | | | | | | | | 140 |
| 145 | 46.4 | 318.0 | 29,100* | 52.9 | 329.6 | 35,500 | 56.5 | 334.4 | 31,900 | 62.1 | 339.6 | 25,900 | | | | | | | 145 |
| 150 | 44.1 | 313.0 | 27,400* | 50.8 | 325.6 | 33,700 | 54.6 | 330.9 | 30,200 | 60.3 | 336.8 | 24,400 | | | | | | | 150 |
| 155 | 41.7 | 307.5 | 25,800* | 48.7 | 321.3 | 32,000 | 52.6 | 327.2 | 28,600 | 58.4 | 333.8 | 23,100 | | | | | | | 155 |
| 160 | 39.3 | 301.6 | 24,300* | 46.6 | 316.7 | 30,400 | 50.5 | 323.2 | 27,200 | 56.5 | 330.5 | 21,800 | | | | | | | 160 |
| 165 | 36.7 | 295.1 | 23,000* | 44.3 | 311.7 | 29,000 | 48.4 | 318.8 | 25,800 | 54.6 | 327.0 | 20,600 | | | | | | | 165 |
| 170 | 33.9 | 287.9 | 21,600* | 42.0 | 306.3 | 27,600 | 46.2 | 314.2 | 24,500 | 52.6 | 323.3 | 19,500 | | | | | | | 170 |
| 175 | 30.9 | 279.9 | 20,400* | 39.5 | 300.4 | 26,300 | 44.0 | 309.1 | 23,300 | 50.6 | 319.3 | 18,400 | 56.4 | 325.0 | 13,600 | | | | 175 |
| 180 | 27.6 | 270.8 | 19,300* | 36.9 | 293.9 | 25,000 | 41.6 | 303.6 | 22,200 | 48.5 | 314.9 | 17,400 | 54.5 | 321.5 | 12,800 | | | | 180 |
| 185 | 23.8 | 260.2 | 18,300* | 34.2 | 286.8 | 23,900 | 39.1 | 297.7 | 21,100 | 46.3 | 310.3 | 16,500 | 52.5 | 317.8 | 12,000 | | | | 185 |
| 190 | 19.4 | 247.3 | 17,300* | 31.2 | 278.9 | 22,800 | 36.5 | 291.1 | 20,100 | 44.0 | 305.2 | 15,600 | 50.4 | 313.7 | 11,200 | | | | 190 |
| 195 | 13.7 | 230.1 | 16,400* | 27.9 | 269.9 | 21,700 | 33.7 | 283.9 | 19,100 | 41.7 | 299.8 | 14,800 | 48.3 | 309.4 | 10,500 | | | | 195 |
| 200 | | | | 24.2 | 259.5 | 20,700 | 30.7 | 275.8 | 18,200 | 39.2 | 293.8 | 14,000 | 46.2 | 304.7 | 9,800 | 52.2 | 310.6 | 5,800 | 200 |
| 205 | | | | 19.9 | 247.0 | 19,700 | 27.4 | 266.7 | 17,300 | 36.6 | 287.3 | 13,200 | 43.9 | 299.6 | 9,200 | 50.1 | 306.5 | 5,300 | 205 |
| 210 | | | | 14.4 | 230.4 | 18,800 | 23.6 | 256.0 | 16,500 | 33.8 | 280.1 | 12,500 | 41.5 | 294.1 | 8,600 | 48.0 | 302.1 | 4,800 | 210 |
| 215 | | | | 4.0 | 198.0 | 16,400* | 19.2 | 242.9 | 15,600 | 30.8 | 272.0 | 11,800 | 39.0 | 288.2 | 8,000 | 45.8 | 297.4 | 4,300 | 215 |
| 220 | | | | | | | 13.3 | 225.3 | 14,800 | 27.5 | 262.9 | 11,100 | 36.4 | 281.6 | 7,400 | | | | 220 |
| 225 | | | | | | | | | | 23.7 | 252.3 | 10,500 | 33.6 | 274.3 | 6,900 | | | | 225 |
| 230 | | | | | | | | | | 19.3 | 239.3 | 9,900 | 30.6 | 266.2 | 6,400 | | | | 230 |
| 235 | | | | | | | | | | 13.5 | 221.8 | 9,200 | 27.2 | 257.0 | 5,900 | | | | 235 |
| 240 | | | | | | | | | | | | | 23.5 | 246.3 | 5,400 | | | | 240 |
| 245 | | | | | | | | | | | | | 19.0 | 233.1 | 4,900 | | | | 245 |
| 250 | | | | | | | | | | | | | 13.1 | 215.3 | 4,400 | | | | 250 |

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LIFTCRANE LUFFING JIB CAPACITIES

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WITH THE INTENT TO BE
THE SCOPE OF ANSI B30.5

M-250 SERIES 2

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING**

175 FT. BOOM, 190 FT. JIB

| JIB OPER. RAD. FEET | 88 DEGREE BOOM ANGLE | | | 83 DEGREE BOOM ANGLE | | | 80 DEGREE BOOM ANGLE | | | 75 DEGREE BOOM ANGLE | | | 70 DEGREE BOOM ANGLE | | | JIB OPER. RAD. FEET |
|---------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|---------------------|
| | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | |
| 70 | 75.1 | 371.9 | 55,200* | | | | | | | | | | | | | 70 |
| 75 | 73.5 | 370.5 | 54,000* | | | | | | | | | | | | | 75 |
| 80 | 71.9 | 368.9 | 52,600* | | | | | | | | | | | | | 80 |
| 85 | 70.3 | 367.1 | 51,100* | | | | | | | | | | | | | 85 |
| 90 | 68.7 | 365.2 | 49,500* | | | | | | | | | | | | | 90 |
| 95 | 67.1 | 363.1 | 47,800* | | | | | | | | | | | | | 95 |
| 100 | 65.4 | 360.9 | 46,000* | 70.5 | 365.5 | 55,200* | | | | | | | | | | 100 |
| 105 | 63.8 | 358.5 | 44,100* | 68.9 | 363.6 | 53,600* | | | | | | | | | | 105 |
| 110 | 62.1 | 355.9 | 42,200* | 67.3 | 361.5 | 52,000* | | | | | | | | | | 110 |
| 115 | 60.3 | 353.1 | 40,200* | 65.6 | 359.3 | 49,400 | | | | | | | | | | 115 |
| 120 | 58.6 | 350.1 | 38,300* | 63.9 | 356.9 | 46,500 | 67.0 | 359.4 | 41,900 | | | | | | | 120 |
| 125 | 56.8 | 346.9 | 36,300* | 62.2 | 354.3 | 43,800 | 65.3 | 357.2 | 39,400 | | | | | | | 125 |
| 130 | 54.9 | 343.4 | 34,400* | 60.5 | 351.6 | 41,300 | 63.7 | 354.8 | 37,100 | | | | | | | 130 |
| 135 | 53.1 | 339.8 | 32,600* | 58.8 | 348.6 | 39,000 | 62.0 | 352.2 | 35,000 | | | | | | | 135 |
| 140 | 51.2 | 335.8 | 30,800* | 57.0 | 345.4 | 36,900 | 60.2 | 349.3 | 33,100 | | | | | | | 140 |
| 145 | 49.2 | 331.6 | 29,100* | 55.1 | 342.0 | 35,000 | 58.5 | 346.3 | 31,300 | | | | | | | 145 |
| 150 | 47.1 | 327.1 | 27,500* | 53.3 | 338.3 | 33,100 | 56.7 | 343.1 | 29,600 | 62.0 | 348.2 | 23,800 | | | | 150 |
| 155 | 45.0 | 322.2 | 26,000* | 51.4 | 334.4 | 31,500 | 54.9 | 339.7 | 28,000 | 60.3 | 345.4 | 22,400 | | | | 155 |
| 160 | 42.9 | 316.9 | 24,500* | 49.4 | 330.2 | 29,900 | 53.0 | 336.0 | 26,600 | 58.5 | 342.4 | 21,100 | | | | 160 |
| 165 | 40.6 | 311.2 | 23,200* | 47.4 | 325.7 | 28,400 | 51.1 | 332.0 | 25,200 | 56.7 | 339.2 | 20,000 | | | | 165 |
| 170 | 38.2 | 305.1 | 21,900* | 45.3 | 320.9 | 27,000 | 49.1 | 327.8 | 23,900 | 54.9 | 335.8 | 18,900 | | | | 170 |
| 175 | 35.6 | 298.3 | 20,700* | 43.1 | 315.6 | 25,700 | 47.0 | 323.2 | 22,700 | 53.0 | 332.1 | 17,800 | | | | 175 |
| 180 | 32.9 | 290.9 | 19,500* | 40.8 | 310.0 | 24,500 | 44.9 | 318.3 | 21,600 | 51.1 | 328.1 | 16,800 | 56.6 | 333.7 | 12,100 | 180 |
| 185 | 30.0 | 282.6 | 18,500* | 38.4 | 303.9 | 23,400 | 42.7 | 313.0 | 20,500 | 49.1 | 323.9 | 15,900 | 54.8 | 330.3 | 11,300 | 185 |
| 190 | 26.8 | 273.2 | 17,500* | 35.9 | 297.2 | 22,300 | 40.4 | 307.3 | 19,500 | 47.1 | 319.3 | 15,000 | 52.9 | 326.6 | 10,600 | 190 |
| 195 | 23.2 | 262.2 | 16,600* | 33.2 | 289.8 | 21,200 | 38.0 | 301.1 | 18,600 | 45.0 | 314.4 | 14,200 | 51.0 | 322.6 | 9,900 | 195 |
| 200 | 18.9 | 249.0 | 15,700* | 30.3 | 281.6 | 20,200 | 35.5 | 294.3 | 17,700 | 42.8 | 309.2 | 13,400 | 49.0 | 318.3 | 9,200 | 200 |
| 205 | 13.3 | 231.2 | 15,000* | 27.1 | 272.4 | 19,300 | 32.8 | 286.8 | 16,800 | 40.5 | 303.5 | 12,600 | 47.0 | 313.8 | 8,600 | 205 |
| 210 | | | | 23.6 | 261.6 | 18,400 | 29.8 | 278.5 | 16,000 | 38.1 | 297.3 | 11,900 | 44.8 | 308.9 | 8,000 | 210 |
| 215 | | | | 19.4 | 248.7 | 17,500 | 26.6 | 269.0 | 15,200 | 35.6 | 290.5 | 11,200 | 42.6 | 303.6 | 7,400 | 215 |
| 220 | | | | 14.0 | 231.6 | 16,700 | 23.0 | 258.0 | 14,400 | 32.8 | 283.0 | 10,600 | 40.4 | 297.8 | 6,800 | 220 |
| 225 | | | | 3.9 | 198.3 | 14,400* | 18.6 | 244.6 | 13,700 | 29.9 | 274.7 | 10,000 | 37.9 | 291.6 | 6,300 | 225 |
| 230 | | | | | | | 13.0 | 226.4 | 12,900 | 26.7 | 265.3 | 9,400 | 35.4 | 284.8 | 5,800 | 230 |
| 235 | | | | | | | | | | 23.1 | 254.3 | 8,800 | 32.7 | 277.3 | 5,300 | 235 |
| 240 | | | | | | | | | | 18.8 | 240.9 | 8,200 | 29.7 | 268.9 | 4,800 | 240 |
| 245 | | | | | | | | | | 13.1 | 223.0 | 7,600 | 26.5 | 259.4 | 4,400 | 245 |

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

DESIGNED AND TESTED
WITH THE INTENT TO BE
THE SCOPE OF ANSI B30.5

M-250 SERIES 2

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING**

175 FT. BOOM, 200 FT. JIB

| JIB OPER. RAD. FEET | 88 DEGREE BOOM ANGLE | | | 83 DEGREE BOOM ANGLE | | | 80 DEGREE BOOM ANGLE | | | 75 DEGREE BOOM ANGLE | | | 70 DEGREE BOOM ANGLE | | | JIB OPER. RAD. FEET |
|---------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|---------------------|
| | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACITY POUNDS | |
| 70 | 75.8 | 382.3 | 51,000* | | | | | | | | | | | | | 70 |
| 75 | 74.4 | 380.9 | 50,000* | | | | | | | | | | | | | 75 |
| 80 | 72.9 | 379.4 | 48,900* | | | | | | | | | | | | | 80 |
| 85 | 71.4 | 377.7 | 47,700* | | | | | | | | | | | | | 85 |
| 90 | 69.8 | 375.9 | 46,400* | | | | | | | | | | | | | 90 |
| 95 | 68.3 | 374.0 | 45,000* | | | | | | | | | | | | | 95 |
| 100 | 66.7 | 371.9 | 43,500* | | | | | | | | | | | | | 100 |
| 105 | 65.2 | 369.6 | 41,900* | 70.0 | 374.3 | 51,500* | | | | | | | | | | 105 |
| 110 | 63.6 | 367.2 | 40,300* | 68.5 | 372.4 | 50,100* | | | | | | | | | | 110 |
| 115 | 62.0 | 364.6 | 38,600* | 66.9 | 370.3 | 48,700* | | | | | | | | | | 115 |
| 120 | 60.3 | 361.8 | 36,900* | 65.3 | 368.0 | 45,800 | | | | | | | | | | 120 |
| 125 | 58.6 | 358.8 | 35,200* | 63.7 | 365.6 | 43,100 | 66.7 | 368.2 | 38,700 | | | | | | | 125 |
| 130 | 56.9 | 355.6 | 33,500* | 62.1 | 363.0 | 40,600 | 65.1 | 365.9 | 36,400 | | | | | | | 130 |
| 135 | 55.2 | 352.2 | 31,900* | 60.5 | 360.2 | 38,400 | 63.5 | 363.4 | 34,300 | | | | | | | 135 |
| 140 | 53.4 | 348.5 | 30,200* | 58.8 | 357.2 | 36,300 | 61.9 | 360.8 | 32,400 | | | | | | | 140 |
| 145 | 51.6 | 344.6 | 28,700* | 57.1 | 354.1 | 34,300 | 60.2 | 358.0 | 30,600 | | | | | | | 145 |
| 150 | 49.8 | 340.5 | 27,200* | 55.4 | 350.7 | 32,500 | 58.6 | 355.0 | 28,900 | | | | | | | 150 |
| 155 | 47.8 | 336.1 | 25,700* | 53.6 | 347.1 | 30,800 | 56.9 | 351.8 | 27,400 | 61.9 | 356.9 | 21,600 | | | | 155 |
| 160 | 45.9 | 331.3 | 24,300* | 51.8 | 343.2 | 29,300 | 55.1 | 348.4 | 25,900 | 60.3 | 354.1 | 20,400 | | | | 160 |
| 165 | 43.8 | 326.2 | 23,000* | 50.0 | 339.1 | 27,800 | 53.3 | 344.7 | 24,600 | 58.6 | 351.1 | 19,200 | | | | 165 |
| 170 | 41.7 | 320.7 | 21,800* | 48.1 | 334.7 | 26,400 | 51.5 | 340.8 | 23,300 | 56.9 | 347.9 | 18,100 | | | | 170 |
| 175 | 39.5 | 314.8 | 20,600* | 46.1 | 330.0 | 25,100 | 49.7 | 336.7 | 22,100 | 55.2 | 344.5 | 17,100 | | | | 175 |
| 180 | 37.2 | 308.4 | 19,500* | 44.0 | 324.9 | 23,900 | 47.7 | 332.2 | 21,000 | 53.4 | 340.8 | 16,100 | | | | 180 |
| 185 | 34.7 | 301.4 | 18,500* | 41.9 | 319.5 | 22,800 | 45.8 | 327.5 | 19,900 | 51.6 | 336.9 | 15,200 | 56.8 | 342.4 | 10,500 | 185 |
| 190 | 32.1 | 293.7 | 17,500* | 39.7 | 313.6 | 21,700 | 43.7 | 322.3 | 18,900 | 49.7 | 332.8 | 14,300 | 55.1 | 339.0 | 9,800 | 190 |
| 195 | 29.2 | 285.2 | 16,600* | 37.4 | 307.3 | 20,600 | 41.6 | 316.8 | 17,900 | 47.8 | 328.3 | 13,500 | 53.3 | 335.3 | 9,100 | 195 |
| 200 | 26.1 | 275.5 | 15,700* | 35.0 | 300.3 | 19,600 | 39.4 | 310.9 | 17,000 | 45.8 | 323.6 | 12,700 | 51.5 | 331.4 | 8,400 | 200 |
| 205 | 22.6 | 264.2 | 14,900* | 32.3 | 292.7 | 18,700 | 37.0 | 304.5 | 16,200 | 43.8 | 318.5 | 11,900 | 49.6 | 327.2 | 7,800 | 205 |
| 210 | 18.4 | 250.6 | 14,100* | 29.5 | 284.3 | 17,800 | 34.6 | 297.4 | 15,300 | 41.6 | 313.0 | 11,200 | 47.7 | 322.8 | 7,200 | 210 |
| 215 | 13.0 | 232.3 | 13,500* | 26.4 | 274.7 | 17,000 | 31.9 | 289.7 | 14,600 | 39.4 | 307.1 | 10,600 | 45.7 | 318.0 | 6,600 | 215 |
| 220 | | | | 23.0 | 263.6 | 16,200 | 29.1 | 281.1 | 13,800 | 37.1 | 300.6 | 9,900 | 43.6 | 312.9 | 6,100 | 220 |
| 225 | | | | 18.9 | 250.3 | 15,400 | 25.9 | 271.3 | 13,100 | 34.6 | 293.6 | 9,300 | 41.5 | 307.4 | 5,600 | 225 |
| 230 | | | | 13.7 | 232.8 | 14,600 | 22.4 | 260.0 | 12,400 | 32.0 | 285.9 | 8,700 | 39.3 | 301.4 | 5,100 | 230 |
| 235 | | | | 3.8 | 198.6 | 12,400* | 18.2 | 246.2 | 11,700 | 29.1 | 277.3 | 8,100 | 36.9 | 295.0 | 4,600 | 235 |
| 240 | | | | | | | 12.6 | 227.5 | 11,000 | 26.0 | 267.6 | 7,600 | 34.5 | 287.9 | 4,100 | 240 |
| 245 | | | | | | | | | | 22.5 | 256.3 | 7,000 | | | | 245 |
| 250 | | | | | | | | | | 18.3 | 242.5 | 6,500 | | | | 250 |
| 255 | | | | | | | | | | 12.8 | 224.1 | 6,000 | | | | 255 |

MANITOWOC ENGINEERING CO.

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



LIFT CRANE LUFFING JIB CAPACITIES

DESIGNED AND TESTED
WITH THE INTENT TO BE
THE SCOPE OF ANSI B30.5

M-250 SERIES 2

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING**

185 FT. BOOM, 70 FT. JIB

| JIB OPER. RAD. FEET | 88 DEGREE BOOM ANGLE | | | 83 DEGREE BOOM ANGLE | | | 80 DEGREE BOOM ANGLE | | | 75 DEGREE BOOM ANGLE | | | 70 DEGREE BOOM ANGLE | | | 65 DEGREE BOOM ANGLE | | | 60 DEGREE BOOM ANGLE | | | JIB OPER. RAD. FEET |
|------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|------------------------------|
| | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | |
| 55 | 61. 2 | 259. 4 | 104, 600*b | | | | | | | | | | | | | | | | | | | 55 |
| 60 | 56. 4 | 256. 2 | 99, 200*b | | | | | | | | | | | | | | | | | | | 60 |
| 65 | 51. 2 | 252. 4 | 94, 300*b | | | | | | | | | | | | | | | | | | | 65 |
| 70 | 45. 7 | 247. 8 | 89, 900* | 62. 5 | 258. 2 | 104, 400*b | | | | | | | | | | | | | | | | 70 |
| 75 | 39. 5 | 242. 2 | 85, 900* | 57. 8 | 255. 2 | 96, 700b | | | | | | | | | | | | | | | | 75 |
| 80 | 32. 4 | 235. 0 | 81, 500* | 52. 7 | 251. 6 | 89, 000b | 62. 3 | 256. 3 | 82, 500b | | | | | | | | | | | | | 80 |
| 85 | 23. 3 | 225. 1 | 74, 200* | 47. 3 | 247. 3 | 82, 300 | 57. 5 | 253. 2 | 76, 200b | | | | | | | | | | | | | 85 |
| 90 | 5. 2 | 203. 8 | 66, 600* | 41. 3 | 242. 0 | 76, 400 | 52. 4 | 249. 6 | 70, 800b | | | | | | | | | | | | | 90 |
| 95 | | | | 34. 5 | 235. 3 | 71, 200 | 47. 0 | 245. 2 | 65, 900 | | | | | | | | | | | | | 95 |
| 100 | | | | 26. 1 | 226. 4 | 66, 500 | 41. 0 | 239. 8 | 61, 600 | 58. 4 | 249. 7 | 53, 400b | | | | | | | | | | 100 |
| 105 | | | | 13. 2 | 211. 5 | 62, 200 | 34. 1 | 233. 1 | 57, 700 | 53. 4 | 246. 2 | 50, 000b | | | | | | | | | | 105 |
| 110 | | | | | | | 25. 6 | 223. 9 | 54, 200 | 48. 1 | 241. 9 | 46, 900 | | | | | | | | | | 110 |
| 115 | | | | | | | 12. 1 | 208. 4 | 50, 900 | 42. 2 | 236. 8 | 44, 200 | | | | | | | | | | 115 |
| 120 | | | | | | | | | | 35. 5 | 230. 3 | 41, 600 | 54. 0 | 241. 0 | 35, 100b | | | | | | | 120 |
| 125 | | | | | | | | | | 27. 4 | 221. 8 | 39, 300 | 48. 7 | 236. 9 | 33, 100 | | | | | | | 125 |
| 130 | | | | | | | | | | 15. 7 | 208. 4 | 37, 000 | 42. 8 | 231. 8 | 31, 200 | | | | | | | 130 |
| 135 | | | | | | | | | | | | | 36. 3 | 225. 6 | 29, 500 | | | | | | | 135 |
| 140 | | | | | | | | | | | | | 28. 4 | 217. 3 | 27, 900 | 48. 7 | 230. 0 | 22, 600 | | | | 140 |
| 145 | | | | | | | | | | | | | 17. 3 | 204. 8 | 26, 300 | 42. 8 | 225. 0 | 21, 400 | | | | 145 |
| 150 | | | | | | | | | | | | | | | | 36. 3 | 218. 7 | 20, 200 | | | | 150 |
| 155 | | | | | | | | | | | | | | | | 28. 4 | 210. 4 | 19, 000 | 47. 9 | 221. 2 | 14, 500 | 155 |
| 160 | | | | | | | | | | | | | | | | 17. 3 | 197. 9 | 17, 900 | 42. 0 | 216. 0 | 13, 600 | 160 |
| 165 | | | | | | | | | | | | | | | | | | | 35. 3 | 209. 6 | 12, 800 | 165 |
| 170 | | | | | | | | | | | | | | | | | | | 27. 2 | 201. 0 | 12, 000 | 170 |
| 175 | | | | | | | | | | | | | | | | | | | 15. 3 | 187. 3 | 11, 200 | 175 |

MANITOWOC ENGINEERING CO.

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



LIFT CRANE LUFFING JIB CAPACITIES

DESIGNED AND TESTED
WITH THE INTENT TO BE
THE SCOPE OF ANSI B30.5

M-250 SERIES 2

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING**

185 FT. BOOM, 80 FT. JIB

| JIB OPER. RAD. FEET | 88 DEGREE BOOM ANGLE | | | 83 DEGREE BOOM ANGLE | | | 80 DEGREE BOOM ANGLE | | | 75 DEGREE BOOM ANGLE | | | 70 DEGREE BOOM ANGLE | | | 65 DEGREE BOOM ANGLE | | | 60 DEGREE BOOM ANGLE | | | JIB OPER. RAD. FEET |
|------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|------------------------------|
| | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | |
| 55 | 65.1 | 270.7 | 101,500*b | | | | | | | | | | | | | | | | | | | 55 |
| 60 | 61.1 | 268.0 | 96,300*b | | | | | | | | | | | | | | | | | | | 60 |
| 65 | 56.9 | 264.9 | 91,600*b | | | | | | | | | | | | | | | | | | | 65 |
| 70 | 52.4 | 261.2 | 87,300* | 66.2 | 269.4 | 101,200*b | | | | | | | | | | | | | | | | 70 |
| 75 | 47.7 | 256.9 | 83,400* | 62.2 | 266.9 | 96,000b | | | | | | | | | | | | | | | | 75 |
| 80 | 42.5 | 251.8 | 79,800* | 58.0 | 263.9 | 88,300b | 66.0 | 267.5 | 81,600b | | | | | | | | | | | | | 80 |
| 85 | 36.8 | 245.5 | 73,000* | 53.7 | 260.4 | 81,600 | 62.0 | 264.9 | 75,400b | | | | | | | | | | | | | 85 |
| 90 | 30.2 | 237.7 | 66,700* | 49.0 | 256.3 | 75,800 | 57.8 | 261.9 | 70,000b | | | | | | | | | | | | | 90 |
| 95 | 21.7 | 227.0 | 61,000* | 44.0 | 251.4 | 70,600 | 53.4 | 258.4 | 65,200 | | | | | | | | | | | | | 95 |
| 100 | 4.8 | 204.1 | 56,400* | 38.5 | 245.5 | 66,000 | 48.8 | 254.2 | 60,900 | 62.8 | 261.3 | 52,400b | | | | | | | | | | 100 |
| 105 | | | | 32.1 | 238.2 | 61,900 | 43.7 | 249.3 | 57,100 | 58.6 | 258.4 | 49,100b | | | | | | | | | | 105 |
| 110 | | | | 24.3 | 228.5 | 58,100 | 38.2 | 243.3 | 53,600 | 54.3 | 254.9 | 46,100 | | | | | | | | | | 110 |
| 115 | | | | 12.3 | 212.5 | 54,600 | 31.8 | 235.9 | 50,500 | 49.7 | 250.9 | 43,300 | | | | | | | | | | 115 |
| 120 | | | | | | | 23.8 | 226.0 | 47,600 | 44.7 | 246.1 | 40,900 | | | | | | | | | | 120 |
| 125 | | | | | | | 11.3 | 209.3 | 44,800 | 39.3 | 240.4 | 38,600 | 54.8 | 249.8 | 32,100 | | | | | | | 125 |
| 130 | | | | | | | | | | 33.1 | 233.3 | 36,400 | 50.2 | 245.8 | 30,300 | | | | | | | 130 |
| 135 | | | | | | | | | | 25.5 | 224.1 | 34,500 | 45.3 | 241.1 | 28,700 | | | | | | | 135 |
| 140 | | | | | | | | | | 14.6 | 209.7 | 32,500 | 39.9 | 235.5 | 27,100 | | | | | | | 140 |
| 145 | | | | | | | | | | | | | 33.8 | 228.6 | 25,700 | 50.2 | 238.9 | 20,400 | | | | 145 |
| 150 | | | | | | | | | | | | | 26.4 | 219.7 | 24,300 | 45.3 | 234.2 | 19,300 | | | | 150 |
| 155 | | | | | | | | | | | | | 16.2 | 206.2 | 22,900 | 39.9 | 228.6 | 18,200 | | | | 155 |
| 160 | | | | | | | | | | | | | | | | 33.8 | 221.7 | 17,200 | | | | 160 |
| 165 | | | | | | | | | | | | | | | | 26.4 | 212.8 | 16,200 | 44.6 | 225.4 | 11,900 | 165 |
| 170 | | | | | | | | | | | | | | | | 16.1 | 199.3 | 15,200 | 39.1 | 219.6 | 11,100 | 170 |
| 175 | | | | | | | | | | | | | | | | | | | 32.9 | 212.5 | 10,400 | 175 |
| 180 | | | | | | | | | | | | | | | | | | | 25.3 | 203.2 | 9,700 | 180 |
| 185 | | | | | | | | | | | | | | | | | | | 14.2 | 188.5 | 9,000 | 185 |

MANITOWOC ENGINEERING CO.

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LIFTCRANE LUFFING JIB CAPACITIES

DESIGNED AND TESTED
WITH THE INTENT TO BE
THE SCOPE OF ANSI B30.5

M-250 SERIES 2

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING**

185 FT. BOOM, 90 FT. JIB

| JIB OPER. RAD. FEET | 88 DEGREE BOOM ANGLE | | | 83 DEGREE BOOM ANGLE | | | 80 DEGREE BOOM ANGLE | | | 75 DEGREE BOOM ANGLE | | | 70 DEGREE BOOM ANGLE | | | 65 DEGREE BOOM ANGLE | | | 60 DEGREE BOOM ANGLE | | | JIB OPER. RAD. FEET |
|------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|------------------------------|
| | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | |
| 55 | 68.1 | 281.6 | 98,500*b | | | | | | | | | | | | | | | | | | 55 | |
| 60 | 64.6 | 279.4 | 93,800*b | | | | | | | | | | | | | | | | | | 60 | |
| 65 | 61.0 | 276.7 | 89,300* | | | | | | | | | | | | | | | | | | 65 | |
| 70 | 57.2 | 273.6 | 85,100* | 69.0 | 280.3 | 98,300*b | | | | | | | | | | | | | | | 70 | |
| 75 | 53.3 | 270.0 | 81,300* | 65.5 | 278.1 | 93,800*b | | | | | | | | | | | | | | | 75 | |
| 80 | 49.2 | 265.9 | 77,800* | 62.0 | 275.6 | 87,700b | | | | | | | | | | | | | | | 80 | |
| 85 | 44.8 | 261.1 | 72,200* | 58.3 | 272.6 | 81,100 | 65.4 | 276.2 | 74,800b | | | | | | | | | | | | 85 | |
| 90 | 39.9 | 255.4 | 66,000* | 54.4 | 269.2 | 75,300 | 61.8 | 273.6 | 69,400b | | | | | | | | | | | | 90 | |
| 95 | 34.6 | 248.7 | 60,500* | 50.3 | 265.2 | 70,100 | 58.1 | 270.6 | 64,600 | | | | | | | | | | | | 95 | |
| 100 | 28.3 | 240.2 | 55,500* | 46.0 | 260.6 | 65,600 | 54.2 | 267.1 | 60,400 | | | | | | | | | | | | 100 | |
| 105 | 20.4 | 228.7 | 51,100* | 41.3 | 255.2 | 61,500 | 50.1 | 263.1 | 56,600 | 62.5 | 269.9 | 48,400b | | | | | | | | | 105 | |
| 110 | 4.5 | 204.4 | 47,400* | 36.1 | 248.8 | 57,800 | 45.8 | 258.5 | 53,200 | 58.8 | 267.0 | 45,400 | | | | | | | | | 110 | |
| 115 | | | | 30.2 | 240.9 | 54,400 | 41.1 | 253.1 | 50,000 | 55.0 | 263.7 | 42,700 | | | | | | | | | 115 | |
| 120 | | | | 22.9 | 230.5 | 51,300 | 35.9 | 246.6 | 47,200 | 50.9 | 259.8 | 40,300 | | | | | | | | | 120 | |
| 125 | | | | 11.5 | 213.5 | 48,400 | 29.8 | 238.6 | 44,600 | 46.6 | 255.3 | 38,000 | | | | | | | | | 125 | |
| 130 | | | | | | | 22.4 | 228.0 | 42,200 | 42.0 | 250.0 | 35,900 | 55.4 | 258.5 | 29,700 | | | | | | 130 | |
| 135 | | | | | | | 10.6 | 210.2 | 39,800 | 36.9 | 243.7 | 34,000 | 51.4 | 254.7 | 28,000 | | | | | | 135 | |
| 140 | | | | | | | | | | 31.1 | 236.1 | 32,200 | 47.1 | 250.2 | 26,500 | | | | | | 140 | |
| 145 | | | | | | | | | | 24.0 | 226.2 | 30,500 | 42.5 | 245.1 | 25,100 | | | | | | 145 | |
| 150 | | | | | | | | | | 13.7 | 210.8 | 28,900 | 37.5 | 238.9 | 23,800 | 51.4 | 247.8 | 18,600 | | | 150 | |
| 155 | | | | | | | | | | | | | 31.8 | 231.5 | 22,500 | 47.1 | 243.4 | 17,600 | | | 155 | |
| 160 | | | | | | | | | | | | | 24.9 | 221.9 | 21,300 | 42.5 | 238.2 | 16,600 | | | 160 | |
| 165 | | | | | | | | | | | | | 15.2 | 207.5 | 20,200 | 37.5 | 232.0 | 15,700 | | | 165 | |
| 170 | | | | | | | | | | | | | | | | 31.8 | 224.6 | 14,800 | 46.5 | 234.6 | 10,500 | 170 |
| 175 | | | | | | | | | | | | | | | | 24.9 | 215.0 | 13,900 | 41.9 | 229.3 | 9,800 | 175 |
| 180 | | | | | | | | | | | | | | | | 15.2 | 200.6 | 13,100 | | | 9,200 | 180 |
| 185 | | | | | | | | | | | | | | | | | | | 30.9 | 215.3 | 8,500 | 185 |
| 190 | | | | | | | | | | | | | | | | | | | 23.8 | 205.3 | 7,900 | 190 |
| 195 | | | | | | | | | | | | | | | | | | | 13.4 | 189.7 | 7,300 | 195 |

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

DESIGNED AND TESTED
WITH THE INTENT TO BE
THE SCOPE OF ANSI B30.5

M-250 SERIES 2

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING**

185 FT. BOOM, 100 FT. JIB

| JIB OPER. RAD. FEET | 88 DEGREE BOOM ANGLE | | | 83 DEGREE BOOM ANGLE | | | 80 DEGREE BOOM ANGLE | | | 75 DEGREE BOOM ANGLE | | | 70 DEGREE BOOM ANGLE | | | 65 DEGREE BOOM ANGLE | | | 60 DEGREE BOOM ANGLE | | | JIB OPER. RAD. FEET |
|------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|------------------------------|
| | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | |
| 55 | 70.4 | 292.4 | 95,400*b | | | | | | | | | | | | | | | | | | | 55 |
| 60 | 67.3 | 290.4 | 90,900*b | | | | | | | | | | | | | | | | | | | 60 |
| 65 | 64.1 | 288.0 | 86,600* | | | | | | | | | | | | | | | | | | | 65 |
| 70 | 60.9 | 285.4 | 82,600* | | | | | | | | | | | | | | | | | | | 70 |
| 75 | 57.5 | 282.3 | 79,000* | 68.1 | 289.1 | 90,900*b | | | | | | | | | | | | | | | | 75 |
| 80 | 54.0 | 278.8 | 75,600* | 65.0 | 286.8 | 87,000* | | | | | | | | | | | | | | | | 80 |
| 85 | 50.3 | 274.8 | 71,000* | 61.8 | 284.2 | 80,400 | 68.0 | 287.1 | 73,900b | | | | | | | | | | | | | 85 |
| 90 | 46.5 | 270.2 | 65,200* | 58.4 | 281.3 | 74,600 | 64.8 | 284.9 | 68,500 | | | | | | | | | | | | | 90 |
| 95 | 42.3 | 265.0 | 59,900* | 55.0 | 277.9 | 69,400 | 61.6 | 282.2 | 63,800 | | | | | | | | | | | | | 95 |
| 100 | 37.8 | 258.9 | 55,100* | 51.4 | 274.0 | 64,900 | 58.3 | 279.3 | 59,600 | | | | | | | | | | | | | 100 |
| 105 | 32.7 | 251.6 | 50,700* | 47.6 | 269.7 | 60,800 | 54.8 | 275.9 | 55,800 | | | | | | | | | | | | | 105 |
| 110 | 26.8 | 242.6 | 46,800* | 43.5 | 264.6 | 57,200 | 51.2 | 272.0 | 52,400 | 62.2 | 278.6 | 44,500 | | | | | | | | | | 110 |
| 115 | 19.3 | 230.4 | 43,300* | 39.1 | 258.8 | 53,800 | 47.3 | 267.6 | 49,300 | 58.9 | 275.7 | 41,800 | | | | | | | | | | 115 |
| 120 | 4.2 | 204.7 | 40,400* | 34.2 | 251.9 | 50,800 | 43.3 | 262.5 | 46,500 | 55.5 | 272.4 | 39,400 | | | | | | | | | | 120 |
| 125 | | | | 28.6 | 243.4 | 48,000 | 38.8 | 256.6 | 44,000 | 51.9 | 268.6 | 37,200 | | | | | | | | | | 125 |
| 130 | | | | 21.6 | 232.4 | 45,400 | 33.9 | 249.6 | 41,600 | 48.1 | 264.3 | 35,100 | | | | | | | | | | 130 |
| 135 | | | | 10.9 | 214.4 | 42,900 | 28.2 | 241.1 | 39,400 | 44.1 | 259.4 | 33,200 | 55.9 | 267.2 | 27,100 | | | | | | | 135 |
| 140 | | | | | | | 21.2 | 229.8 | 37,300 | 39.7 | 253.6 | 31,500 | 52.3 | 263.5 | 25,600 | | | | | | | 140 |
| 145 | | | | | | | 10.0 | 211.0 | 35,300 | 34.9 | 246.9 | 29,800 | 48.5 | 259.2 | 24,200 | | | | | | | 145 |
| 150 | | | | | | | | | | 29.4 | 238.7 | 28,300 | 44.5 | 254.4 | 22,900 | | | | | | | 150 |
| 155 | | | | | | | | | | 22.7 | 228.2 | 26,800 | 40.2 | 248.8 | 21,700 | 52.3 | 256.6 | 16,600 | | | | 155 |
| 160 | | | | | | | | | | 13.0 | 211.9 | 25,400 | 35.5 | 242.1 | 20,600 | 48.5 | 252.4 | 15,600 | | | | 160 |
| 165 | | | | | | | | | | | | | 30.1 | 234.1 | 19,500 | 44.5 | 247.5 | 14,800 | | | | 165 |
| 170 | | | | | | | | | | | | | 23.5 | 223.9 | 18,400 | 40.2 | 241.9 | 13,900 | | | | 170 |
| 175 | | | | | | | | | | | | | 14.3 | 208.7 | 17,400 | 35.5 | 235.3 | 13,100 | 48.0 | 243.6 | 8,800 | 175 |
| 180 | | | | | | | | | | | | | | | | 30.1 | 227.3 | 12,300 | 44.0 | 238.6 | 8,200 | 180 |
| 185 | | | | | | | | | | | | | | | | 23.5 | 217.0 | 11,600 | 39.6 | 232.9 | 7,600 | 185 |
| 190 | | | | | | | | | | | | | | | | 14.3 | 201.8 | 10,800 | 34.8 | 226.1 | 7,000 | 190 |
| 195 | | | | | | | | | | | | | | | | | | | 29.3 | 217.9 | 6,500 | 195 |
| 200 | | | | | | | | | | | | | | | | | | | 22.5 | 207.3 | 5,900 | 200 |
| 205 | | | | | | | | | | | | | | | | | | | 12.6 | 190.7 | 5,400 | 205 |

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

DESIGNED AND TESTED
WITH THE INTENT TO BE
THE SCOPE OF ANSI B30.5

M-250 SERIES 2

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING**

185 FT. BOOM, 110 FT. JIB

| JIB OPER. RAD. FEET | 88 DEGREE BOOM ANGLE | | | 83 DEGREE BOOM ANGLE | | | 80 DEGREE BOOM ANGLE | | | 75 DEGREE BOOM ANGLE | | | 70 DEGREE BOOM ANGLE | | | 65 DEGREE BOOM ANGLE | | | 60 DEGREE BOOM ANGLE | | | JIB OPER. RAD. FEET |
|------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|------------------------------|
| | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | |
| 55 | 72.2 | 303.0 | 92,600*b | | | | | | | | | | | | | | | | | | | 55 |
| 60 | 69.4 | 301.2 | 88,300*b | | | | | | | | | | | | | | | | | | | 60 |
| 65 | 66.6 | 299.1 | 84,400* | | | | | | | | | | | | | | | | | | | 65 |
| 70 | 63.7 | 296.7 | 80,600* | | | | | | | | | | | | | | | | | | | 70 |
| 75 | 60.8 | 294.0 | 77,100* | 70.2 | 299.8 | 88,300*b | | | | | | | | | | | | | | | | 75 |
| 80 | 57.7 | 291.0 | 73,800* | 67.4 | 297.8 | 84,600* | | | | | | | | | | | | | | | | 80 |
| 85 | 54.6 | 287.5 | 69,600* | 64.5 | 295.5 | 79,700 | | | | | | | | | | | | | | | | 85 |
| 90 | 51.3 | 283.6 | 64,300* | 61.6 | 292.9 | 73,900 | 67.3 | 295.9 | 67,800 | | | | | | | | | | | | | 90 |
| 95 | 47.8 | 279.3 | 59,300* | 58.6 | 289.9 | 68,800 | 64.4 | 293.5 | 63,100 | | | | | | | | | | | | | 95 |
| 100 | 44.2 | 274.3 | 54,700* | 55.5 | 286.6 | 64,300 | 61.5 | 290.9 | 58,900 | | | | | | | | | | | | | 100 |
| 105 | 40.2 | 268.7 | 50,500* | 52.2 | 282.9 | 60,200 | 58.4 | 287.9 | 55,100 | | | | | | | | | | | | | 105 |
| 110 | 35.9 | 262.1 | 46,600* | 48.8 | 278.6 | 56,600 | 55.3 | 284.6 | 51,800 | | | | | | | | | | | | | 110 |
| 115 | 31.1 | 254.4 | 43,200* | 45.2 | 273.9 | 53,300 | 52.0 | 280.8 | 48,700 | 62.0 | 287.3 | 41,100 | | | | | | | | | | 115 |
| 120 | 25.5 | 244.9 | 40,100* | 41.3 | 268.4 | 50,300 | 48.6 | 276.6 | 45,900 | 59.0 | 284.4 | 38,700 | | | | | | | | | | 120 |
| 125 | 18.3 | 232.0 | 37,300* | 37.2 | 262.2 | 47,500 | 45.0 | 271.8 | 43,400 | 55.9 | 281.1 | 36,500 | | | | | | | | | | 125 |
| 130 | 4.0 | 205.0 | 35,000* | 32.5 | 254.8 | 45,000 | 41.1 | 266.3 | 41,000 | 52.7 | 277.4 | 34,400 | | | | | | | | | | 130 |
| 135 | | | | 27.2 | 245.8 | 42,600 | 36.9 | 260.0 | 38,900 | 49.3 | 273.3 | 32,600 | | | | | | | | | | 135 |
| 140 | | | | 20.6 | 234.2 | 40,400 | 32.3 | 252.5 | 36,800 | 45.7 | 268.6 | 30,800 | 56.2 | 275.9 | 24,900 | | | | | | | 140 |
| 145 | | | | 10.4 | 215.3 | 38,300 | 26.9 | 243.5 | 35,000 | 41.9 | 263.2 | 29,200 | 53.0 | 272.3 | 23,500 | | | | | | | 145 |
| 150 | | | | | | | 20.2 | 231.6 | 33,200 | 37.8 | 257.1 | 27,700 | 49.7 | 268.2 | 22,200 | | | | | | | 150 |
| 155 | | | | | | | 9.5 | 211.8 | 31,500 | 33.2 | 249.9 | 26,300 | 46.1 | 263.6 | 21,000 | | | | | | | 155 |
| 160 | | | | | | | | | | 28.0 | 241.2 | 25,000 | 42.3 | 258.3 | 19,900 | 53.0 | 265.4 | 14,900 | | | | 160 |
| 165 | | | | | | | | | | 21.6 | 230.0 | 23,700 | 38.2 | 252.2 | 18,800 | 49.6 | 261.3 | 14,000 | | | | 165 |
| 170 | | | | | | | | | | 12.3 | 212.9 | 22,400 | 33.7 | 245.2 | 17,800 | 46.1 | 256.7 | 13,200 | | | | 170 |
| 175 | | | | | | | | | | | | | 28.6 | 236.7 | 16,900 | 42.3 | 251.4 | 12,400 | | | | 175 |
| 180 | | | | | | | | | | 22.4 | 225.9 | 16,000 | 38.2 | 245.4 | 11,700 | 38.2 | 245.4 | 11,700 | | | | 180 |
| 185 | | | | | | | | | | 13.6 | 209.9 | 15,000 | 33.7 | 238.3 | 11,000 | 33.7 | 238.3 | 11,000 | 45.6 | 247.8 | 6,900 | 185 |
| 190 | | | | | | | | | | | | | 28.6 | 229.8 | 10,300 | 28.6 | 229.8 | 10,300 | 41.8 | 242.5 | 6,300 | 190 |
| 195 | | | | | | | | | | | | | 22.4 | 219.0 | 9,600 | 22.4 | 219.0 | 9,600 | 37.7 | 236.3 | 5,800 | 195 |
| 200 | | | | | | | | | | | | | 13.6 | 203.0 | 8,900 | 13.6 | 203.0 | 8,900 | 33.1 | 229.1 | 5,300 | 200 |
| 205 | | | | | | | | | | | | | | | | | | | 27.8 | 220.4 | 4,800 | 205 |
| 210 | | | | | | | | | | | | | | | | | | | 21.4 | 209.1 | 4,300 | 210 |

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

DESIGNED AND TESTED
WITH THE INTENT TO BE
THE SCOPE OF ANSI B30.5

M-250 SERIES 2

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING**

185 FT. BOOM, 120 FT. JIB

| JIB OPER. RAD. FEET | 88 DEGREE BOOM ANGLE | | | 83 DEGREE BOOM ANGLE | | | 80 DEGREE BOOM ANGLE | | | 75 DEGREE BOOM ANGLE | | | 70 DEGREE BOOM ANGLE | | | 65 DEGREE BOOM ANGLE | | | 60 DEGREE BOOM ANGLE | | | JIB OPER. RAD. FEET |
|------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|------------------------------|
| | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | |
| 55 | 73.7 | 313.5 | 88,300* | | | | | | | | | | | | | | | | | | | 55 |
| 60 | 71.2 | 311.8 | 84,400* | | | | | | | | | | | | | | | | | | | 60 |
| 65 | 68.7 | 310.0 | 80,700* | | | | | | | | | | | | | | | | | | | 65 |
| 70 | 66.1 | 307.8 | 77,300* | | | | | | | | | | | | | | | | | | | 70 |
| 75 | 63.4 | 305.4 | 74,000* | | | | | | | | | | | | | | | | | | | 75 |
| 80 | 60.7 | 302.7 | 71,000* | 69.4 | 308.6 | 80,800* | | | | | | | | | | | | | | | | 80 |
| 85 | 57.9 | 299.6 | 68,100* | 66.8 | 306.5 | 77,700* | | | | | | | | | | | | | | | | 85 |
| 90 | 55.0 | 296.2 | 63,500* | 64.2 | 304.2 | 73,200 | | | | | | | | | | | | | | | | 90 |
| 95 | 52.0 | 292.5 | 58,900* | 61.5 | 301.6 | 68,100 | 66.7 | 304.6 | 62,300 | | | | | | | | | | | | | 95 |
| 100 | 48.9 | 288.3 | 54,500* | 58.7 | 298.6 | 63,600 | 64.0 | 302.2 | 58,100 | | | | | | | | | | | | | 100 |
| 105 | 45.6 | 283.5 | 50,500* | 55.8 | 295.3 | 59,600 | 61.3 | 299.6 | 54,400 | | | | | | | | | | | | | 105 |
| 110 | 42.2 | 278.2 | 46,700* | 52.9 | 291.6 | 55,900 | 58.6 | 296.6 | 51,000 | | | | | | | | | | | | | 110 |
| 115 | 38.4 | 272.2 | 43,300* | 49.8 | 287.6 | 52,600 | 55.7 | 293.3 | 48,000 | | | | | | | | | | | | | 115 |
| 120 | 34.3 | 265.2 | 40,200* | 46.6 | 283.0 | 49,600 | 52.7 | 289.6 | 45,200 | 61.9 | 295.9 | 37,800 | | | | | | | | | | 120 |
| 125 | 29.7 | 257.1 | 37,300* | 43.1 | 277.9 | 46,900 | 49.6 | 285.5 | 42,700 | 59.1 | 293.0 | 35,600 | | | | | | | | | | 125 |
| 130 | 24.4 | 247.0 | 34,800* | 39.5 | 272.0 | 44,400 | 46.4 | 280.9 | 40,300 | 56.3 | 289.8 | 33,600 | | | | | | | | | | 130 |
| 135 | 17.5 | 233.5 | 32,500* | 35.5 | 265.4 | 42,100 | 43.0 | 275.7 | 38,200 | 53.3 | 286.2 | 31,800 | | | | | | | | | | 135 |
| 140 | 3.8 | 205.2 | 30,600* | 31.1 | 257.6 | 39,900 | 39.3 | 269.9 | 36,200 | 50.2 | 282.2 | 30,100 | | | | | | | | | | 140 |
| 145 | | | | 26.0 | 248.1 | 37,900 | 35.3 | 263.2 | 34,400 | 47.0 | 277.7 | 28,500 | 56.6 | 284.6 | 22,600 | | | | | | | 145 |
| 150 | | | | 19.7 | 235.9 | 36,000 | 30.8 | 255.3 | 32,700 | 43.6 | 272.6 | 27,000 | 53.6 | 281.0 | 21,400 | | | | | | | 150 |
| 155 | | | | 9.9 | 216.1 | 34,200 | 25.7 | 245.7 | 31,000 | 40.0 | 266.9 | 25,600 | 50.6 | 277.1 | 20,200 | | | | | | | 155 |
| 160 | | | | | | | 19.3 | 233.3 | 29,500 | 36.1 | 260.4 | 24,300 | 47.4 | 272.6 | 19,100 | | | | | | | 160 |
| 165 | | | | | | | 9.1 | 212.5 | 28,000 | 31.7 | 252.7 | 23,100 | 44.0 | 267.6 | 18,000 | | | | | | | 165 |
| 170 | | | | | | | | | | 26.7 | 243.6 | 21,900 | 40.4 | 262.0 | 17,100 | 50.6 | 270.2 | 12,300 | | | | 170 |
| 175 | | | | | | | | | | 20.7 | 231.9 | 20,800 | 36.5 | 255.6 | 16,100 | 47.4 | 265.7 | 11,600 | | | | 175 |
| 180 | | | | | | | | | | 11.8 | 213.9 | 19,700 | 32.2 | 248.1 | 15,300 | 44.0 | 260.7 | 10,800 | | | | 180 |
| 185 | | | | | | | | | | | | | 27.3 | 239.1 | 14,400 | 40.4 | 255.1 | 10,100 | | | | 185 |
| 190 | | | | | | | | | | | | | 21.4 | 227.8 | 13,600 | 36.5 | 248.7 | 9,500 | 46.9 | 256.9 | 5,500 | 190 |
| 195 | | | | | | | | | | | | | 13.0 | 211.0 | 12,800 | 32.2 | 241.2 | 8,900 | 43.5 | 251.9 | 5,000 | 195 |
| 200 | | | | | | | | | | | | | | | | 27.3 | 232.2 | 8,300 | 39.9 | 246.2 | 4,500 | 200 |
| 205 | | | | | | | | | | | | | | | | 21.4 | 220.9 | 7,700 | 36.0 | 239.6 | 4,000 | 205 |
| 210 | | | | | | | | | | | | | | | | 13.0 | 204.1 | 7,000 | | | | 210 |

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

DESIGNED AND TESTED
WITH THE INTENT TO BE
THE SCOPE OF ANSI B30.5

M-250 SERIES 2

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING**

185 FT. BOOM, 130 FT. JIB

| JIB OPER. RAD. FEET | 88 DEGREE BOOM ANGLE | | | 83 DEGREE BOOM ANGLE | | | 80 DEGREE BOOM ANGLE | | | 75 DEGREE BOOM ANGLE | | | 70 DEGREE BOOM ANGLE | | | 65 DEGREE BOOM ANGLE | | | JIB OPER. RAD. FEET |
|------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|------------------------------|
| | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | |
| 55 | 75.0 | 323.9 | 85,400* | | | | | | | | | | | | | | | | 55 |
| 60 | 72.7 | 322.4 | 81,800* | | | | | | | | | | | | | | | | 60 |
| 65 | 70.4 | 320.7 | 78,400* | | | | | | | | | | | | | | | | 65 |
| 70 | 68.0 | 318.7 | 75,100* | | | | | | | | | | | | | | | | 70 |
| 75 | 65.6 | 316.5 | 72,100* | | | | | | | | | | | | | | | | 75 |
| 80 | 63.2 | 314.1 | 69,200* | | | | | | | | | | | | | | | | 80 |
| 85 | 60.7 | 311.3 | 66,300* | 68.7 | 317.4 | 75,500* | | | | | | | | | | | | | 85 |
| 90 | 58.1 | 308.3 | 62,000* | 66.3 | 315.2 | 72,600* | | | | | | | | | | | | | 90 |
| 95 | 55.4 | 305.0 | 57,800* | 63.9 | 312.9 | 67,800 | | | | | | | | | | | | | 95 |
| 100 | 52.7 | 301.3 | 53,800* | 61.4 | 310.2 | 63,300 | 66.2 | 313.3 | 57,800 | | | | | | | | | | 100 |
| 105 | 49.8 | 297.2 | 50,000* | 58.8 | 307.3 | 59,200 | 63.7 | 310.9 | 54,000 | | | | | | | | | | 105 |
| 110 | 46.9 | 292.6 | 46,400* | 56.2 | 304.0 | 55,600 | 61.2 | 308.2 | 50,700 | | | | | | | | | | 110 |
| 115 | 43.7 | 287.6 | 43,100* | 53.5 | 300.4 | 52,300 | 58.7 | 305.3 | 47,600 | | | | | | | | | | 115 |
| 120 | 40.4 | 281.9 | 40,100* | 50.6 | 296.4 | 49,400 | 56.0 | 302.0 | 44,900 | | | | | | | | | | 120 |
| 125 | 36.8 | 275.5 | 37,300* | 47.7 | 292.0 | 46,600 | 53.3 | 298.4 | 42,400 | 61.7 | 304.6 | 35,300 | | | | | | | 125 |
| 130 | 32.9 | 268.2 | 34,800* | 44.6 | 287.1 | 44,100 | 50.5 | 294.4 | 40,100 | 59.2 | 301.7 | 33,300 | | | | | | | 130 |
| 135 | 28.5 | 259.6 | 32,400* | 41.4 | 281.7 | 41,800 | 47.5 | 289.9 | 37,900 | 56.5 | 298.5 | 31,400 | | | | | | | 135 |
| 140 | 23.4 | 249.1 | 30,300* | 37.9 | 275.5 | 39,700 | 44.5 | 285.0 | 36,000 | 53.8 | 294.9 | 29,700 | | | | | | | 140 |
| 145 | 16.8 | 235.0 | 28,500* | 34.0 | 268.4 | 37,700 | 41.2 | 279.5 | 34,100 | 51.0 | 291.0 | 28,200 | | | | | | | 145 |
| 150 | 3.6 | 205.5 | 26,900* | 29.8 | 260.2 | 35,900 | 37.7 | 273.3 | 32,400 | 48.1 | 286.7 | 26,700 | 56.8 | 293.3 | 21,000 | | | | 150 |
| 155 | | | | 24.9 | 250.3 | 34,200 | 33.8 | 266.2 | 30,800 | 45.1 | 281.8 | 25,300 | 54.1 | 289.8 | 19,900 | | | | 155 |
| 160 | | | | 18.9 | 237.5 | 32,500 | 29.6 | 257.9 | 29,300 | 41.8 | 276.5 | 24,000 | 51.3 | 285.9 | 18,800 | | | | 160 |
| 165 | | | | 9.5 | 216.9 | 30,900 | 24.6 | 247.9 | 27,900 | 38.4 | 270.4 | 22,800 | 48.4 | 281.6 | 17,700 | | | | 165 |
| 170 | | | | | | | 18.5 | 234.9 | 26,600 | 34.6 | 263.5 | 21,700 | 45.4 | 276.8 | 16,800 | | | | 170 |
| 175 | | | | | | | 8.7 | 213.3 | 25,300 | 30.4 | 255.5 | 20,600 | 42.2 | 271.5 | 15,900 | 51.3 | 279.0 | 11,200 | 175 |
| 180 | | | | | | | | | | 25.7 | 245.9 | 19,600 | 38.7 | 265.5 | 15,000 | 48.4 | 274.7 | 10,500 | 180 |
| 185 | | | | | | | | | | 19.8 | 233.6 | 18,600 | 35.0 | 258.7 | 14,200 | 45.4 | 270.0 | 9,900 | 185 |
| 190 | | | | | | | | | | 11.3 | 214.9 | 17,600 | 30.9 | 250.9 | 13,400 | 42.2 | 264.6 | 9,200 | 190 |
| 195 | | | | | | | | | | | | | 26.2 | 241.4 | 12,700 | 38.7 | 258.7 | 8,600 | 195 |
| 200 | | | | | | | | | | | | | 20.5 | 229.5 | 11,900 | 35.0 | 251.8 | 8,000 | 200 |
| 205 | | | | | | | | | | | | | 12.5 | 212.0 | 11,200 | 30.9 | 244.0 | 7,500 | 205 |
| 210 | | | | | | | | | | | | | | | | 26.2 | 234.6 | 6,900 | 210 |
| 215 | | | | | | | | | | | | | | | | 20.5 | 222.7 | 6,400 | 215 |
| 220 | | | | | | | | | | | | | | | | 12.5 | 205.1 | 5,800 | 220 |

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

DESIGNED AND TESTED
WITH THE INTENT TO BE
THE SCOPE OF ANSI B30.5

M-250 SERIES 2

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING**

185 FT. BOOM, 140 FT. JIB

| JIB OPER. RAD. FEET | 88 DEGREE BOOM ANGLE | | | 83 DEGREE BOOM ANGLE | | | 80 DEGREE BOOM ANGLE | | | 75 DEGREE BOOM ANGLE | | | 70 DEGREE BOOM ANGLE | | | 65 DEGREE BOOM ANGLE | | | JIB OPER. RAD. FEET |
|------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|------------------------------|
| | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | |
| 60 | 74.0 | 332.9 | 78,900* | | | | | | | | | | | | | | | | 60 |
| 65 | 71.9 | 331.3 | 75,800* | | | | | | | | | | | | | | | | 65 |
| 70 | 69.7 | 329.5 | 72,800* | | | | | | | | | | | | | | | | 70 |
| 75 | 67.5 | 327.5 | 69,900* | | | | | | | | | | | | | | | | 75 |
| 80 | 65.2 | 325.2 | 67,200* | | | | | | | | | | | | | | | | 80 |
| 85 | 62.9 | 322.7 | 63,800* | 70.3 | 328.1 | 72,900* | | | | | | | | | | | | | 85 |
| 90 | 60.6 | 320.0 | 60,000* | 68.1 | 326.1 | 70,300* | | | | | | | | | | | | | 90 |
| 95 | 58.2 | 317.0 | 56,300* | 65.9 | 324.0 | 67,100 | | | | | | | | | | | | | 95 |
| 100 | 55.8 | 313.7 | 52,700* | 63.6 | 321.5 | 62,600 | 68.0 | 324.2 | 57,000 | | | | | | | | | | 100 |
| 105 | 53.2 | 310.0 | 49,200* | 61.3 | 318.9 | 58,600 | 65.7 | 322.0 | 53,300 | | | | | | | | | | 105 |
| 110 | 50.6 | 306.0 | 45,900* | 58.9 | 315.9 | 54,900 | 63.5 | 319.6 | 49,900 | | | | | | | | | | 110 |
| 115 | 47.9 | 301.6 | 42,800* | 56.5 | 312.7 | 51,700 | 61.1 | 316.9 | 46,900 | | | | | | | | | | 115 |
| 120 | 45.0 | 296.8 | 39,900* | 53.9 | 309.2 | 48,700 | 58.8 | 313.9 | 44,200 | | | | | | | | | | 120 |
| 125 | 42.0 | 291.5 | 37,200* | 51.4 | 305.3 | 46,000 | 56.3 | 310.7 | 41,600 | | | | | | | | | | 125 |
| 130 | 38.9 | 285.5 | 34,700* | 48.7 | 301.0 | 43,500 | 53.8 | 307.1 | 39,300 | 61.6 | 313.3 | 32,500 | | | | | | | 130 |
| 135 | 35.4 | 278.7 | 32,400* | 45.9 | 296.3 | 41,200 | 51.2 | 303.2 | 37,200 | 59.2 | 310.4 | 30,600 | | | | | | | 135 |
| 140 | 31.7 | 271.1 | 30,300* | 42.9 | 291.1 | 39,100 | 48.5 | 298.9 | 35,300 | 56.8 | 307.2 | 28,900 | | | | | | | 140 |
| 145 | 27.5 | 262.0 | 28,300* | 39.8 | 285.3 | 37,100 | 45.7 | 294.2 | 33,500 | 54.3 | 303.7 | 27,400 | | | | | | | 145 |
| 150 | 22.5 | 251.1 | 26,600* | 36.4 | 278.8 | 35,300 | 42.7 | 289.0 | 31,800 | 51.7 | 299.8 | 25,900 | | | | | | | 150 |
| 155 | 16.2 | 236.4 | 25,000* | 32.8 | 271.4 | 33,600 | 39.6 | 283.1 | 30,200 | 49.0 | 295.6 | 24,600 | 57.1 | 302.0 | 19,000 | | | | 155 |
| 160 | 3.4 | 205.8 | 23,700* | 28.7 | 262.8 | 32,000 | 36.2 | 276.6 | 28,700 | 46.3 | 291.0 | 23,300 | 54.6 | 298.5 | 17,900 | | | | 160 |
| 165 | | | | 24.0 | 252.5 | 30,500 | 32.5 | 269.1 | 27,300 | 43.3 | 285.8 | 22,100 | 52.0 | 294.7 | 16,900 | | | | 165 |
| 170 | | | | 18.2 | 239.1 | 29,100 | 28.5 | 260.5 | 26,000 | 40.2 | 280.1 | 21,000 | 49.3 | 290.5 | 16,000 | | | | 170 |
| 175 | | | | 9.1 | 217.6 | 27,600 | 23.7 | 250.0 | 24,800 | 36.9 | 273.7 | 19,900 | 46.6 | 285.9 | 15,100 | | | | 175 |
| 180 | | | | | | | 17.8 | 236.4 | 23,600 | 33.3 | 266.5 | 18,900 | 43.6 | 280.9 | 14,200 | 52.0 | 287.8 | 9,700 | 180 |
| 185 | | | | | | | 8.3 | 213.9 | 22,400 | 29.3 | 258.1 | 18,000 | 40.6 | 275.2 | 13,400 | 49.3 | 283.7 | 9,000 | 185 |
| 190 | | | | | | | | | | 24.7 | 248.0 | 17,000 | 37.3 | 268.9 | 12,700 | 46.6 | 279.1 | 8,400 | 190 |
| 195 | | | | | | | | | | 19.1 | 235.2 | 16,200 | 33.7 | 261.8 | 11,900 | 43.6 | 274.0 | 7,800 | 195 |
| 200 | | | | | | | | | | 10.8 | 215.8 | 15,300 | 29.7 | 253.5 | 11,300 | 40.6 | 268.4 | 7,200 | 200 |
| 205 | | | | | | | | | | | | | 25.2 | 243.7 | 10,600 | 37.3 | 262.0 | 6,700 | 205 |
| 210 | | | | | | | | | | | | | 19.7 | 231.3 | 9,900 | 33.7 | 254.9 | 6,100 | 210 |
| 215 | | | | | | | | | | | | | 12.0 | 213.1 | 9,300 | 29.7 | 246.6 | 5,600 | 215 |
| 220 | | | | | | | | | | | | | | | | 25.2 | 236.8 | 5,200 | 220 |
| 225 | | | | | | | | | | | | | | | | 19.7 | 224.4 | 4,700 | 225 |
| 230 | | | | | | | | | | | | | | | | 12.0 | 206.2 | 4,200 | 230 |

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

DESIGNED AND TESTED
WITH THE INTENT TO BE
THE SCOPE OF ANSI B30.5

M-250 SERIES 2

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING**

185 FT. BOOM, 150 FT. JIB

| JIB OPER. RAD. FEET | 88 DEGREE BOOM ANGLE | | | 83 DEGREE BOOM ANGLE | | | 80 DEGREE BOOM ANGLE | | | 75 DEGREE BOOM ANGLE | | | 70 DEGREE BOOM ANGLE | | | 65 DEGREE BOOM ANGLE | | | JIB OPER. RAD. FEET |
|------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|------------------------------|
| | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | |
| 60 | 75.1 | 343.3 | 74,900* | | | | | | | | | | | | | | | | 60 |
| 65 | 73.1 | 341.8 | 72,700* | | | | | | | | | | | | | | | | 65 |
| 70 | 71.1 | 340.1 | 70,100* | | | | | | | | | | | | | | | | 70 |
| 75 | 69.1 | 338.3 | 67,300* | | | | | | | | | | | | | | | | 75 |
| 80 | 67.0 | 336.2 | 64,300* | | | | | | | | | | | | | | | | 80 |
| 85 | 64.9 | 333.9 | 61,200* | | | | | | | | | | | | | | | | 85 |
| 90 | 62.8 | 331.4 | 57,900* | 69.6 | 336.9 | 68,200* | | | | | | | | | | | | | 90 |
| 95 | 60.6 | 328.7 | 54,700* | 67.6 | 334.9 | 65,800* | | | | | | | | | | | | | 95 |
| 100 | 58.3 | 325.6 | 51,400* | 65.5 | 332.7 | 61,900 | | | | | | | | | | | | | 100 |
| 105 | 56.1 | 322.4 | 48,200* | 63.3 | 330.2 | 57,900 | 67.5 | 332.9 | 52,600 | | | | | | | | | | 105 |
| 110 | 53.7 | 318.8 | 45,200* | 61.2 | 327.5 | 54,300 | 65.4 | 330.7 | 49,200 | | | | | | | | | | 110 |
| 115 | 51.3 | 314.9 | 42,300* | 59.0 | 324.6 | 51,000 | 63.2 | 328.2 | 46,200 | | | | | | | | | | 115 |
| 120 | 48.8 | 310.6 | 39,600* | 56.7 | 321.4 | 48,100 | 61.1 | 325.6 | 43,500 | | | | | | | | | | 120 |
| 125 | 46.2 | 305.9 | 37,000* | 54.4 | 317.9 | 45,400 | 58.8 | 322.6 | 41,000 | | | | | | | | | | 125 |
| 130 | 43.4 | 300.8 | 34,600* | 52.0 | 314.1 | 42,900 | 56.6 | 319.4 | 38,700 | | | | | | | | | | 130 |
| 135 | 40.5 | 295.2 | 32,400* | 49.5 | 309.9 | 40,600 | 54.2 | 315.9 | 36,600 | 61.5 | 321.9 | 29,900 | | | | | | | 135 |
| 140 | 37.5 | 288.9 | 30,300* | 46.9 | 305.4 | 38,500 | 51.8 | 312.0 | 34,600 | 59.3 | 319.0 | 28,200 | | | | | | | 140 |
| 145 | 34.2 | 281.8 | 28,400* | 44.2 | 300.4 | 36,600 | 49.3 | 307.9 | 32,800 | 57.0 | 315.9 | 26,700 | | | | | | | 145 |
| 150 | 30.6 | 273.8 | 26,600* | 41.4 | 294.9 | 34,800 | 46.8 | 303.3 | 31,200 | 54.7 | 312.4 | 25,200 | | | | | | | 150 |
| 155 | 26.5 | 264.4 | 25,000* | 38.4 | 288.8 | 33,100 | 44.1 | 298.3 | 29,600 | 52.3 | 308.6 | 23,900 | | | | | | | 155 |
| 160 | 21.7 | 253.0 | 23,600* | 35.1 | 282.0 | 31,500 | 41.2 | 292.7 | 28,100 | 49.8 | 304.5 | 22,600 | 57.3 | 310.7 | 17,200 | | | | 160 |
| 165 | 15.6 | 237.7 | 22,200* | 31.6 | 274.2 | 30,000 | 38.2 | 286.6 | 26,800 | 47.3 | 300.0 | 21,400 | 54.9 | 307.2 | 16,200 | | | | 165 |
| 170 | 3.3 | 206.0 | 21,100* | 27.7 | 265.3 | 28,600 | 34.9 | 279.7 | 25,500 | 44.6 | 295.1 | 20,300 | 52.6 | 303.5 | 15,300 | | | | 170 |
| 175 | | | | 23.1 | 254.5 | 27,200 | 31.4 | 272.0 | 24,300 | 41.8 | 289.7 | 19,300 | 50.1 | 299.4 | 14,400 | | | | 175 |
| 180 | | | | 17.5 | 240.6 | 26,000 | 27.5 | 262.9 | 23,100 | 38.8 | 283.7 | 18,300 | 47.5 | 295.0 | 13,600 | | | | 180 |
| 185 | | | | 8.8 | 218.4 | 24,700 | 22.9 | 252.0 | 22,000 | 35.6 | 277.0 | 17,400 | 44.9 | 290.1 | 12,800 | 52.6 | 296.6 | 8,300 | 185 |
| 190 | | | | | | | 17.2 | 237.9 | 20,900 | 32.1 | 269.4 | 16,500 | 42.1 | 284.7 | 12,000 | 50.1 | 292.6 | 7,700 | 190 |
| 195 | | | | | | | 8.0 | 214.6 | 19,900 | 28.3 | 260.6 | 15,600 | 39.1 | 278.8 | 11,300 | 47.5 | 288.1 | 7,100 | 195 |
| 200 | | | | | | | | | | 23.8 | 250.1 | 14,800 | 35.9 | 272.2 | 10,600 | 44.9 | 283.2 | 6,500 | 200 |
| 205 | | | | | | | | | | 18.4 | 236.8 | 14,000 | 32.5 | 264.7 | 10,000 | 42.1 | 277.9 | 6,000 | 205 |
| 210 | | | | | | | | | | 10.5 | 216.7 | 13,200 | 28.7 | 256.1 | 9,400 | 39.1 | 271.9 | 5,500 | 210 |
| 215 | | | | | | | | | | | | | 24.3 | 245.8 | 8,800 | 35.9 | 265.3 | 5,000 | 215 |
| 220 | | | | | | | | | | | | | 19.1 | 232.9 | 8,200 | 32.5 | 257.8 | 4,500 | 220 |
| 225 | | | | | | | | | | | | | 11.6 | 214.0 | 7,600 | 28.7 | 249.2 | 4,100 | 225 |

MANITOWOC ENGINEERING CO.

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



LIFT CRANE LUFFING JIB CAPACITIES

DESIGNED AND TESTED
WITH THE INTENT TO BE
THE SCOPE OF ANSI B30.5

M-250 SERIES 2

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING**

195 FT. BOOM, 70 FT. JIB

| JIB OPER. RAD. FEET | 88 DEGREE BOOM ANGLE | | | 83 DEGREE BOOM ANGLE | | | 80 DEGREE BOOM ANGLE | | | 75 DEGREE BOOM ANGLE | | | 70 DEGREE BOOM ANGLE | | | 65 DEGREE BOOM ANGLE | | | 60 DEGREE BOOM ANGLE | | | JIB OPER. RAD. FEET |
|------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|------------------------------|
| | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | |
| 55 | 61.6 | 269.6 | 102,800*b | | | | | | | | | | | | | | | | | | | 55 |
| 60 | 56.7 | 266.5 | 97,600*b | | | | | | | | | | | | | | | | | | | 60 |
| 65 | 51.6 | 262.7 | 92,900*b | | | | | | | | | | | | | | | | | | | 65 |
| 70 | 46.1 | 258.2 | 88,600* | 63.7 | 268.8 | 103,900*b | | | | | | | | | | | | | | | | 70 |
| 75 | 40.0 | 252.6 | 84,700* | 58.9 | 266.0 | 95,800b | | | | | | | | | | | | | | | | 75 |
| 80 | 32.9 | 245.6 | 79,100* | 54.0 | 262.5 | 88,100b | 63.9 | 267.0 | 81,100b | | | | | | | | | | | | | 80 |
| 85 | 24.0 | 235.9 | 72,200* | 48.6 | 258.4 | 81,400b | 59.2 | 264.2 | 74,900b | | | | | | | | | | | | | 85 |
| 90 | 8.2 | 217.3 | 66,300* | 42.8 | 253.3 | 75,600 | 54.2 | 260.8 | 69,500b | | | | | | | | | | | | | 90 |
| 95 | | | | 36.2 | 247.0 | 70,400 | 48.9 | 256.7 | 64,800b | | | | | | | | | | | | | 95 |
| 100 | | | | 28.4 | 238.8 | 65,800 | 43.1 | 251.7 | 60,500 | 60.9 | 260.9 | 51,600b | | | | | | | | | | 100 |
| 105 | | | | 17.3 | 226.2 | 61,600 | 36.6 | 245.4 | 56,700 | 56.1 | 257.7 | 48,300b | | | | | | | | | | 105 |
| 110 | | | | | | | 28.8 | 237.3 | 53,300 | 50.9 | 253.9 | 45,400b | | | | | | | | | | 110 |
| 115 | | | | | | | 18.0 | 225.2 | 50,000 | 45.3 | 249.2 | 42,700 | | | | | | | | | | 115 |
| 120 | | | | | | | | | | 39.1 | 243.5 | 40,200 | 57.4 | 252.9 | 33,100b | | | | | | | 120 |
| 125 | | | | | | | | | | 31.8 | 236.2 | 37,900 | 52.3 | 249.2 | 31,200b | | | | | | | 125 |
| 130 | | | | | | | | | | 22.5 | 226.0 | 35,800 | 46.9 | 244.8 | 29,500 | | | | | | | 130 |
| 135 | | | | | | | | | | | | | 40.9 | 239.4 | 27,800 | | | | | | | 135 |
| 140 | | | | | | | | | | | | | 34.0 | 232.6 | 26,300 | | | | | | | 140 |
| 145 | | | | | | | | | | | | | 25.4 | 223.5 | 24,900 | 47.8 | 238.4 | 19,400 | | | | 145 |
| 150 | | | | | | | | | | | | | 11.8 | 207.6 | 23,400 | 41.9 | 233.1 | 18,300 | | | | 150 |
| 155 | | | | | | | | | | | | | | | | 35.1 | 226.6 | 17,300 | | | | 155 |
| 160 | | | | | | | | | | | | | | | | 27.0 | 217.9 | 16,300 | 47.9 | 229.9 | 11,500 | 160 |
| 165 | | | | | | | | | | | | | | | | 14.9 | 204.1 | 15,200 | 42.0 | 224.7 | 10,800 | 165 |
| 170 | | | | | | | | | | | | | | | | | | | 35.3 | 218.2 | 10,100 | 170 |
| 175 | | | | | | | | | | | | | | | | | | | 27.2 | 209.6 | 9,400 | 175 |
| 180 | | | | | | | | | | | | | | | | | | | 15.3 | 196.0 | 8,700 | 180 |

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

DESIGNED AND TESTED
WITH THE INTENT TO BE
THE SCOPE OF ANSI B30.5

M-250 SERIES 2

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING**

195 FT. BOOM, 80 FT. JIB

| JIB OPER. RAD. FEET | 88 DEGREE BOOM ANGLE | | | 83 DEGREE BOOM ANGLE | | | 80 DEGREE BOOM ANGLE | | | 75 DEGREE BOOM ANGLE | | | 70 DEGREE BOOM ANGLE | | | 65 DEGREE BOOM ANGLE | | | 60 DEGREE BOOM ANGLE | | | JIB OPER. RAD. FEET |
|------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|------------------------------|
| | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | |
| 55 | 65.4 | 280.8 | 99,600*b | | | | | | | | | | | | | | | | | | | 55 |
| 60 | 61.4 | 278.2 | 94,700*b | | | | | | | | | | | | | | | | | | | 60 |
| 65 | 57.2 | 275.1 | 90,200*b | | | | | | | | | | | | | | | | | | | 65 |
| 70 | 52.7 | 271.5 | 86,000* | 67.2 | 279.9 | 100,600*b | | | | | | | | | | | | | | | | 70 |
| 75 | 48.0 | 267.2 | 82,200* | 63.2 | 277.5 | 95,000b | | | | | | | | | | | | | | | | 75 |
| 80 | 42.9 | 262.2 | 77,500* | 59.1 | 274.6 | 87,400b | 67.4 | 278.1 | 80,200b | | | | | | | | | | | | | 80 |
| 85 | 37.2 | 256.0 | 70,900* | 54.8 | 271.3 | 80,800 | 63.4 | 275.7 | 74,100b | | | | | | | | | | | | | 85 |
| 90 | 30.7 | 248.3 | 64,900* | 50.2 | 267.3 | 75,000 | 59.3 | 272.9 | 68,700b | | | | | | | | | | | | | 90 |
| 95 | 22.4 | 237.9 | 59,500* | 45.3 | 262.6 | 69,900 | 55.0 | 269.5 | 64,000 | | | | | | | | | | | | | 95 |
| 100 | 7.6 | 217.9 | 55,000* | 39.9 | 257.0 | 65,300 | 50.4 | 265.6 | 59,800 | | | | | | | | | | | | | 100 |
| 105 | | | | 33.8 | 250.1 | 61,200 | 45.5 | 260.9 | 56,000 | 60.8 | 269.6 | 47,400b | | | | | | | | | | 105 |
| 110 | | | | 26.4 | 241.1 | 57,500 | 40.2 | 255.4 | 52,600 | 56.6 | 266.4 | 44,500b | | | | | | | | | | 110 |
| 115 | | | | 16.1 | 227.6 | 54,000 | 34.1 | 248.5 | 49,600 | 52.1 | 262.7 | 41,800 | | | | | | | | | | 115 |
| 120 | | | | | | | 26.8 | 239.7 | 46,700 | 47.3 | 258.4 | 39,400 | | | | | | | | | | 120 |
| 125 | | | | | | | 16.8 | 226.6 | 44,000 | 42.2 | 253.1 | 37,200 | 57.7 | 261.5 | 30,300b | | | | | | | 125 |
| 130 | | | | | | | | | | 36.4 | 246.8 | 35,100 | 53.4 | 258.0 | 28,500 | | | | | | | 130 |
| 135 | | | | | | | | | | 29.7 | 238.9 | 33,200 | 48.7 | 253.8 | 26,900 | | | | | | | 135 |
| 140 | | | | | | | | | | 21.0 | 227.8 | 31,400 | 43.6 | 248.9 | 25,500 | | | | | | | 140 |
| 145 | | | | | | | | | | | | | 38.1 | 242.9 | 24,100 | | | | | | | 145 |
| 150 | | | | | | | | | | | | | 31.6 | 235.5 | 22,800 | 49.5 | 247.3 | 17,300 | | | | 150 |
| 155 | | | | | | | | | | | | | 23.7 | 225.5 | 21,500 | 44.5 | 242.5 | 16,300 | | | | 155 |
| 160 | | | | | | | | | | | | | 11.0 | 208.5 | 20,300 | 39.0 | 236.7 | 15,400 | | | | 160 |
| 165 | | | | | | | | | | | | | | | | 32.8 | 229.6 | 14,500 | | | | 165 |
| 170 | | | | | | | | | | | | | | | | 25.1 | 220.2 | 13,600 | | | | 170 |
| 175 | | | | | | | | | | | | | | | | 13.9 | 205.3 | 12,700 | 44.6 | 234.1 | 9,100 | 175 |
| 180 | | | | | | | | | | | | | | | | | | | 32.9 | 221.2 | 7,900 | 180 |
| 185 | | | | | | | | | | | | | | | | | | | 25.3 | 211.9 | 7,300 | 185 |
| 190 | | | | | | | | | | | | | | | | | | | 14.2 | 197.2 | 6,600 | 190 |

MANITOWOC ENGINEERING CO.

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LIFTCRANE LUFFING JIB CAPACITIES

DESIGNED AND TESTED
WITH THE INTENT TO BE
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M-250 SERIES 2

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING**

195 FT. BOOM, 90 FT. JIB

| JIB OPER. RAD. FEET | 88 DEGREE BOOM ANGLE | | | 83 DEGREE BOOM ANGLE | | | 80 DEGREE BOOM ANGLE | | | 75 DEGREE BOOM ANGLE | | | 70 DEGREE BOOM ANGLE | | | 65 DEGREE BOOM ANGLE | | | 60 DEGREE BOOM ANGLE | | | JIB OPER. RAD. FEET |
|------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------|---------------------------------------|------------------------------|
| | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | JIB ANG. DEG. | JIB POINT ELEV. FEET | LUFFING JIB CAPACI TY POUNDS | |
| 55 | 68.3 | 291.8 | 96,700*b | | | | | | | | | | | | | | | | | | | 55 |
| 60 | 64.8 | 289.5 | 92,000*b | | | | | | | | | | | | | | | | | | | 60 |
| 65 | 61.2 | 286.9 | 87,700*b | | | | | | | | | | | | | | | | | | | 65 |
| 70 | 57.5 | 283.8 | 83,700* | 69.8 | 290.7 | 97,600*b | | | | | | | | | | | | | | | | 70 |
| 75 | 53.6 | 280.3 | 80,000* | 66.4 | 288.6 | 93,200*b | | | | | | | | | | | | | | | | 75 |
| 80 | 49.5 | 276.2 | 76,000* | 62.9 | 286.2 | 86,800b | | | | | | | | | | | | | | | | 80 |
| 85 | 45.1 | 271.4 | 69,800* | 59.2 | 283.3 | 80,200 | 66.6 | 286.8 | 73,400b | | | | | | | | | | | | | 85 |
| 90 | 40.3 | 265.9 | 64,000* | 55.4 | 280.0 | 74,500 | 63.0 | 284.4 | 68,100b | | | | | | | | | | | | | 90 |
| 95 | 35.0 | 259.2 | 58,800* | 51.4 | 276.1 | 69,400 | 59.4 | 281.5 | 63,400 | | | | | | | | | | | | | 95 |
| 100 | 28.8 | 250.9 | 54,100* | 47.1 | 271.7 | 64,800 | 55.6 | 278.2 | 59,200 | | | | | | | | | | | | | 100 |
| 105 | 21.0 | 239.7 | 49,900* | 42.5 | 266.5 | 60,800 | 51.6 | 274.4 | 55,500 | | | | | | | | | | | | | 105 |
| 110 | 7.1 | 218.4 | 46,400* | 37.5 | 260.4 | 57,100 | 47.3 | 270.0 | 52,100 | 60.7 | 278.3 | 43,800 | | | | | | | | | | 110 |
| 115 | | | | 31.7 | 252.9 | 53,800 | 42.7 | 264.9 | 49,100 | 57.0 | 275.1 | 41,200 | | | | | | | | | | 115 |
| 120 | | | | 24.8 | 243.3 | 50,800 | 37.7 | 258.8 | 46,300 | 53.0 | 271.5 | 38,800 | | | | | | | | | | 120 |
| 125 | | | | 15.1 | 228.9 | 47,900 | 32.0 | 251.4 | 43,700 | 48.9 | 267.3 | 36,600 | | | | | | | | | | 125 |
| 130 | | | | | | | 25.2 | 241.9 | 41,400 | 44.4 | 262.5 | 34,600 | 58.0 | 270.2 | 27,900 | | | | | | | 130 |
| 135 | | | | | | | 15.8 | 227.9 | 39,100 | 39.6 | 256.8 | 32,800 | 54.1 | 266.8 | 26,300 | | | | | | | 135 |
| 140 | | | | | | | | | | 34.2 | 249.9 | 31,000 | 50.0 | 262.7 | 24,900 | | | | | | | 140 |
| 145 | | | | | | | | | | 27.9 | 241.3 | 29,400 | 45.7 | 258.1 | 23,500 | | | | | | | 145 |
| 150 | | | | | | | | | | 19.7 | 229.6 | 27,800 | 41.0 | 252.6 | 22,200 | | | | | | | 150 |
| 155 | | | | | | | | | | | | | 35.8 | 246.1 | 21,000 | 50.7 | 256.2 | 15,700 | | | | 155 |
| 160 | | | | | | | | | | | | | 29.7 | 238.1 | 19,900 | 46.4 | 251.7 | 14,800 | | | | 160 |
| 165 | | | | | | | | | | | | | 22.3 | 227.5 | 18,800 | 41.8 | 246.4 | 13,900 | | | | 165 |
| 170 | | | | | | | | | | | | | 10.3 | 209.4 | 17,700 | 36.6 | 240.1 | 13,100 | | | | 170 |
| 175 | | | | | | | | | | | | | | | | 30.8 | 232.3 | 12,300 | | | | 175 |
| 180 | | | | | | | | | | | | | | | | 23.6 | 222.2 | 11,600 | 46.5 | 243.2 | 7,800 | 180 |
| 185 | | | | | | | | | | | | | | | | 13.0 | 206.4 | 10,800 | 41.9 | 237.9 | 7,300 | 185 |
| 190 | | | | | | | | | | | | | | | | | | | 36.8 | 231.6 | 6,700 | 190 |
| 195 | | | | | | | | | | | | | | | | | | | 30.9 | 224.0 | 6,200 | 195 |
| 200 | | | | | | | | | | | | | | | | | | | 23.8 | 213.9 | 5,600 | 195 |
| | | | | | | | | | | | | | | | | | | | 13.4 | 198.3 | 5,100 | 200 |