



Load Rating Chart

Model 50128S



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NOTE: Additional copies of this Load Rating Chart can be purchased from your Manitex Distributor. When ordering, use the part number shown in the bottom left corner of this page.

**LMI OPERATING CODES**

| CODE | CRANE CONFIGURATION | OUTRIGGER CONFIGURATION | AREA OF OPERATION |
|-------------|---|--------------------------------|--------------------------|
| #1 | MAIN BOOM | FULLY EXTENDED | OVER REAR |
| #3 | MAIN BOOM | FULLY EXTENDED | FULL 360° |
| #4 | MAIN BOOM | MID POSITION | FULL 360° |
| #5 | MAIN BOOM | RETRACTED | FULL 360° |
| #7 | RETRACTED JIB 0° OFFSET | FULLY EXTENDED | OVER REAR |
| #8 | RETRACTED JIB 0° OFFSET | FULLY EXTENDED | FULL 360° |
| #9 | RETRACTED JIB 15° OFFSET | FULLY EXTENDED | OVER REAR |
| #10 | RETRACTED JIB 15° OFFSET | FULLY EXTENDED | FULL 360° |
| #11 | RETRACTED JIB 30° OFFSET | FULLY EXTENDED | OVER REAR |
| #12 | RETRACTED JIB 30° OFFSET | FULLY EXTENDED | FULL 360° |
| #13 | EXTENDED JIB 0° OFFSET | FULLY EXTENDED | OVER REAR |
| #14 | EXTENDED JIB 0° OFFSET | FULLY EXTENDED | FULL 360° |
| #15 | EXTENDED JIB 15° OFFSET | FULLY EXTENDED | OVER REAR |
| #16 | EXTENDED JIB 15° OFFSET | FULLY EXTENDED | FULL 360° |
| #17 | EXTENDED JIB 30° OFFSET | FULLY EXTENDED | OVER REAR |
| #18 | EXTENDED JIB 30° OFFSET | FULLY EXTENDED | FULL 360° |
| #19 | RETRACTED JIB 0° OFFSET | MID POSITION | FULL 360° |
| #20 | RETRACTED JIB 15° OFFSET | MID POSITION | FULL 360° |
| #21 | RETRACTED JIB 30° OFFSET | MID POSITION | FULL 360° |
| #22 | EXTENDED JIB 0° OFFSET | MID POSITION | FULL 360° |
| #23 | EXTENDED JIB 15° OFFSET | MID POSITION | FULL 360° |
| #24 | EXTENDED JIB 30° OFFSET | MID POSITION | FULL 360° |
| #25 | PERSONNEL LIFTING MAIN BOOM | FULLY EXTENDED | FULL 360° |
| #26 | PERSONNEL LIFTING RETR JIB 0° OFFSET | FULLY EXTENDED | FULL 360° |
| #27 | PERSONNEL LIFTING RETR JIB 15° OFFSET | FULLY EXTENDED | FULL 360° |
| #28 | PERSONNEL LIFTING RETR JIB 30° OFFSET | FULLY EXTENDED | FULL 360° |
| #29 | PERSONNEL LIFTING EXTENDED JIB 0° OFFSET | FULLY EXTENDED | FULL 360° |
| #30 | PERSONNEL LIFTING EXTENDED JIB 15° OFFSET | FULLY EXTENDED | FULL 360° |
| #31 | PERSONNEL LIFTING EXTENDED JIB 30° OFFSET | FULLY EXTENDED | FULL 360° |

WARNING

1. THE OPERATOR MUST READ AND UNDERSTAND THE OWNER'S MANUAL BEFORE OPERATING THIS CRANE.
2. POSITIONING OR OPERATION OF CRANE BEYOND AREAS SHOWN ON THIS CHART IS NOT INTENDED OR APPROVED EXCEPT WHERE SPECIFIED IN OWNER'S MANUAL.
3. LOADED BOOM ANGLES AT SPECIFIED BOOM LENGTHS GIVE ONLY AN APPROXIMATION OF THE OPERATING RADIUS. THE BOOM ANGLE BEFORE LOADING SHOULD BE GREATER TO ACCOUNT FOR DEFLECTIONS. DO NOT EXCEED THE OPERATING RADIUS FOR RATED LOADS.
4. THE OPERATING RADIUS SHOWN IN THE JIB RATING CHART IS FOR FULLY EXTENDED BOOM ONLY. WHEN BOOM IS NOT FULLY EXTENDED, USE ONLY LOADED BOOM ANGLE TO DETERMINE LOAD RATING OF JIB.
5. FOR BOOM ANGLES NOT SHOWN ON JIB LOAD RATING CHART, USE RATING OF NEXT LOWER BOOM ANGLE.



WARNING (CONTINUED)

6. FOR BOOM LENGTHS NOT SHOWN, USE RATING OF NEXT SHORTER OR LONGER BOOM LENGTH, WHICHEVER IS LESS. FOR RADII NOT SHOWN, USE RATING OF NEXT LONGER RADIUS.
7. CRANE LOAD RATINGS ON OUTRIGGERS ARE BASED ON FREELY SUSPENDED LOADS WITH THE MACHINE LEVELED AND STANDING ON A FIRM UNIFORM SUPPORTING SURFACE. NO ATTEMPT SHALL BE MADE TO MOVE A LOAD HORIZONTALLY ON THE GROUND IN ANY DIRECTION.
8. PRACTICAL WORKING LOADS DEPEND ON SUPPORTING SURFACE, WIND, AND OTHER FACTORS AFFECTING STABILITY SUCH AS HAZARDOUS SURROUNDINGS, EXPERIENCE OF PERSONNEL, AND PROPER HANDLING, ALL OF WHICH MUST BE TAKEN INTO ACCOUNT BY THE OPERATOR.
9. THE MAXIMUM LOAD WHICH MAY BE TELESCOPED IS LIMITED BY HYDRAULIC PRESSURE, BOOM ANGLE, AND BOOM LUBRICATION. IT IS SAFE TO ATTEMPT TO TELESCOPE ANY LOAD WITHIN THE LIMITS OF THE LOAD RATING CHART.

INFORMATION

1. DEDUCTIONS MUST BE MADE FROM RATED LOADS FOR JIB, OPTIONAL ATTACHMENTS, HOOKS, AND LOADBLOCKS (SEE DEDUCTION CHART). WEIGHTS OF SLINGS AND ALL OTHER LOAD HANDLING DEVICES SHALL BE CONSIDERED A PART OF THE LOAD.
2. LOAD RATINGS ABOVE THE HEAVY LINE ARE STRUCTURALLY LIMITED CAPACITIES. LOAD RATINGS BELOW THE HEAVY LINE ARE STABILITY LIMITED CAPACITIES AND DO NOT EXCEED 85% OF TIPPING.

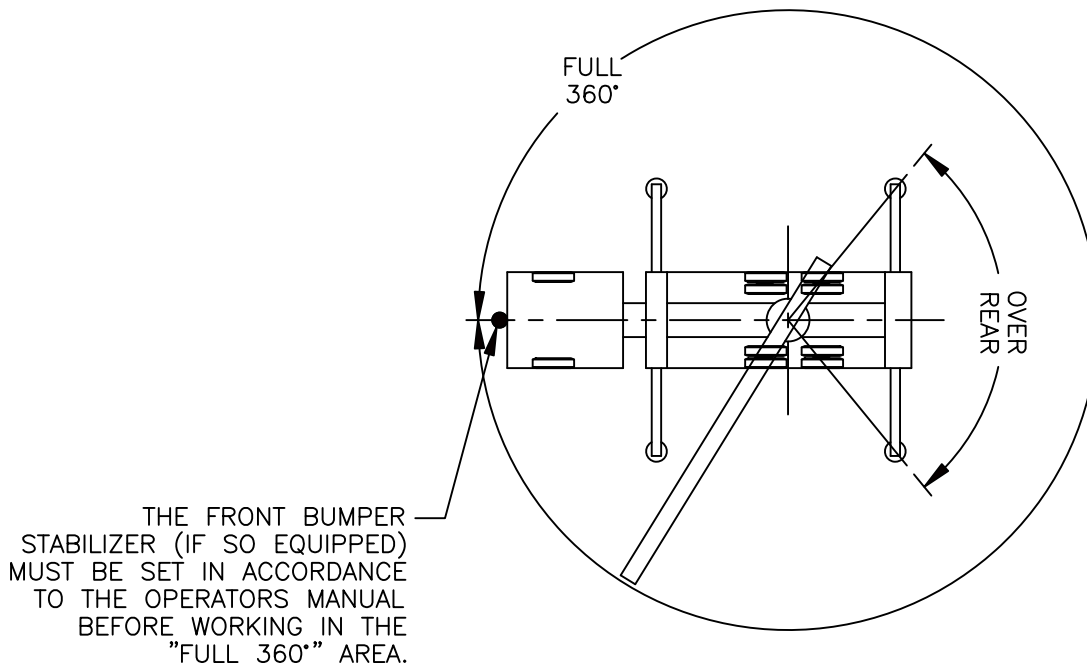
DEFINITIONS

1. OPERATING RADIUS IS THE HORIZONTAL DISTANCE FROM THE AXIS OF ROTATION TO THE CENTER OF THE VERTICAL HOIST LINE OR TACKLE WITH LOAD APPLIED.
2. LOADED BOOM ANGLE IS THE INCLUDED ANGLE BETWEEN THE HORIZONTAL AND LONGITUDINAL AXES OF THE BOOM BASE AFTER LIFTING RATED LOAD AT RATED RADIUS.



| ALLOWABLE LINE PULL | | | | | | | | | | WARNING |
|---------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|--------------|--|
| 1 PART LINE | 2 PART LINE | 3 PART LINE | 4 PART LINE | 5 PART LINE | 6 PART LINE | 7 PART LINE | 8 PART LINE | 9 PART LINE | 10 PART LINE | |
| | | | | | | | | | | <p>ANTI-TWO-BLOCK SYSTEM MUST BE IN GOOD OPERATING CONDITION BEFORE OPERATING CRANE.</p> <p>REFER TO THE OWNER'S MANUAL.</p> <p>KEEP AT LEAST 3 WRAPS OF LOAD LINE ON THE DRUM AT ALL TIMES.</p> |
| 10000 LBS | 20000 LBS | 30000 LBS | 40000 LBS | 50000 LBS | 60000 LBS | 70000 LBS | 80000 LBS | 90000 LBS | 100000 LBS | <p>5/8" 6 X 19 CLASS (3.5:1 SF) 35,000 LBS MIN BREAKING STRENGTH</p> <p>5/8" ROT RESISTANT (5:1 SF) 50,000 LBS MIN BREAKING STRENGTH</p> |

AREA OF OPERATIONS

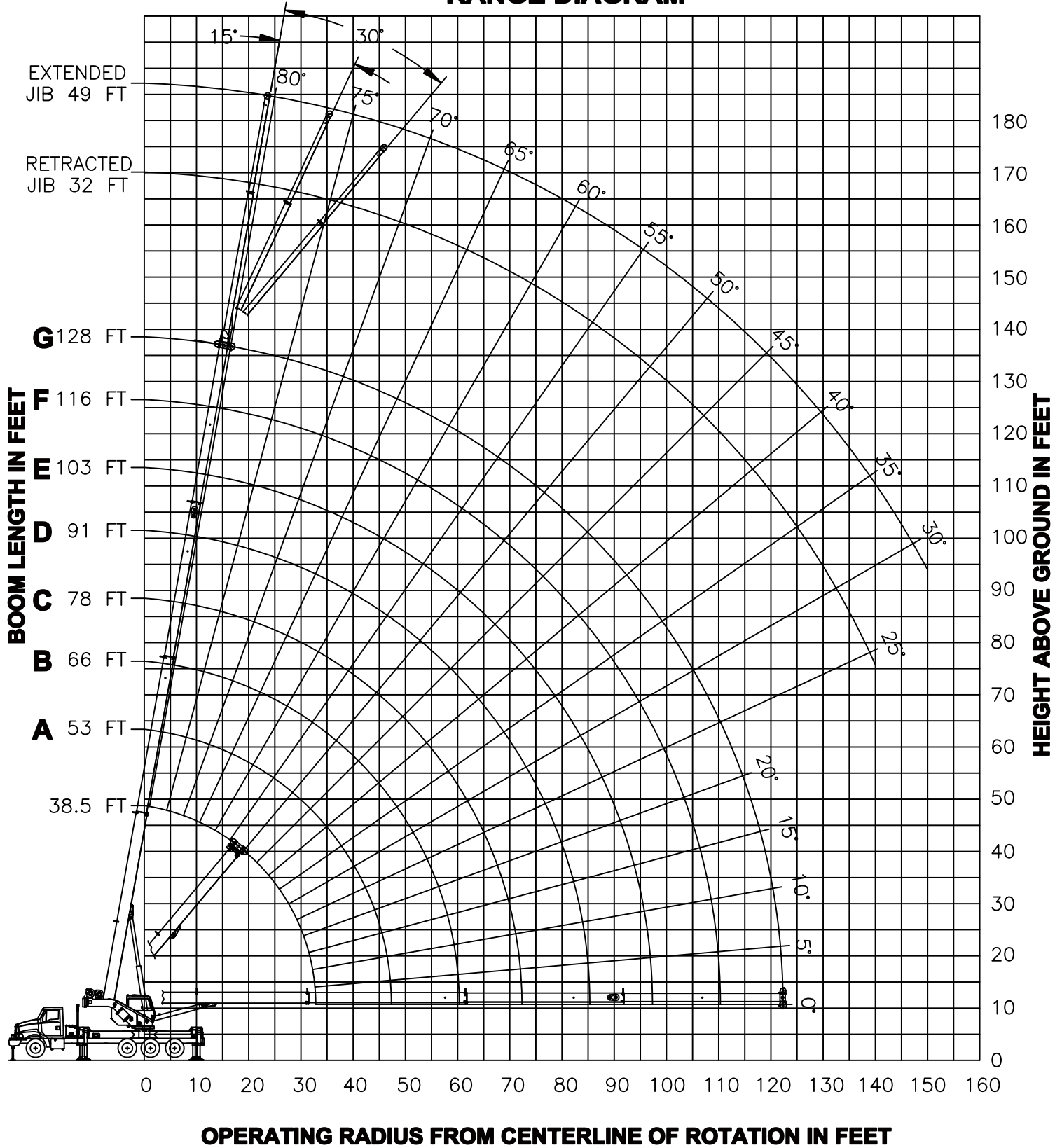


DEDUCTIONS FROM RATED LOADS FOR LOAD HANDLING DEVICES SUPPLIED BY MANITEX

| | | |
|---|-------|----------------------------|
| AUXILIARY BLOCK | ----- | 50 LBS |
| ROOSTER SHEAVE | ----- | 70 LBS |
| LIFTING FROM MAIN BOOM WITH JIB STOWED OR ERECTED | ----- | SEE LOAD CHART |
| OVERHAUL BALL | ----- | SEE MANUFACTURER NAMEPLATE |
| LOAD BLOCK | ----- | SEE MANUFACTURER NAMEPLATE |

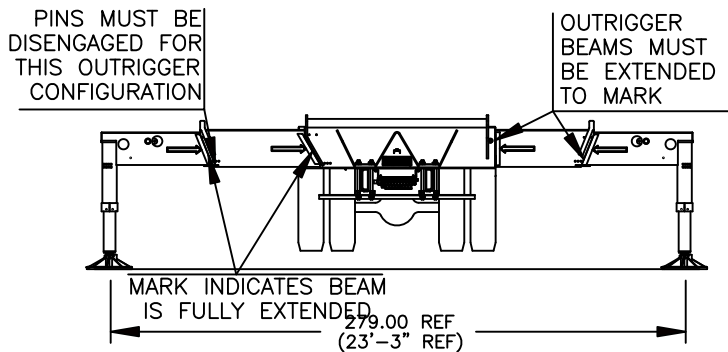


- RANGE DIAGRAM -





**USE THIS CHART ONLY
WHEN ALL OUTRIGGER
BEAMS ARE FULLY
EXTENDED**



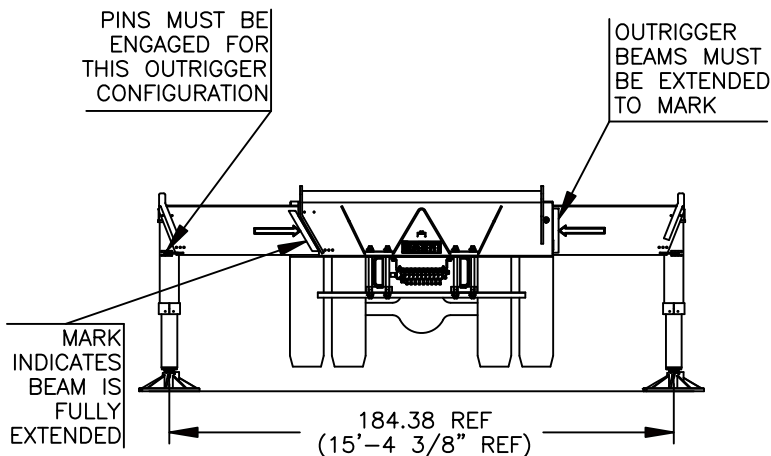
MAIN BOOM LIFTING CAPACITIES

| LOAD RADIUS (FT) | BOOM LENGTH 38.5 FT | | | BOOM LENGTH 53 FT (A) | | | BOOM LENGTH 66 FT (B) | | | BOOM LENGTH 78 FT (C) | | | LOAD RADIUS (FT) |
|------------------|-------------------------|-----------------|-----------------|-------------------------|-----------------|-----------------|-------------------------|-----------------|-----------------|-------------------------|-----------------|-------------------------|-------------------------------------|
| | LOADED BOOM ANGLE (DEG) | CODE 1 | CODE 3 | LOADED BOOM ANGLE (DEG) | CODE 1 | CODE 3 | LOADED BOOM ANGLE (DEG) | CODE 1 | CODE 3 | LOADED BOOM ANGLE (DEG) | CODE 1 | CODE 3 | |
| | | OVER REAR (LBS) | FULL 360° (LBS) | | OVER REAR (LBS) | FULL 360° (LBS) | | OVER REAR (LBS) | FULL 360° (LBS) | | OVER REAR (LBS) | FULL 360° (LBS) | |
| 6 | 73.5 | 100000 | 100000 | | | | | | | | | | 6 |
| 8 | 70.5 | 86600 | 86600 | | | | | | | | | | 8 |
| 10 | 67 | 76400 | 76400 | 74.5 | 51000 | 51000 | 78 | 51000 | 51000 | | | | 10 |
| 12 | 64 | 68400 | 68400 | 72.5 | 51000 | 51000 | 76.5 | 51000 | 51000 | 79 | 41710 | 41710 | 12 |
| 15 | 59 | 59000 | 59000 | 68.5 | 51000 | 51000 | 73.5 | 46650 | 46650 | 77 | 37880 | 37880 | 15 |
| 20 | 49.5 | 47670 | 47670 | 62.5 | 45700 | 45700 | 69 | 39300 | 39300 | 73 | 32140 | 32140 | 20 |
| 25 | 38.5 | 36900 | 36900 | 56 | 37680 | 37680 | 64 | 33450 | 33450 | 69 | 27890 | 27890 | 25 |
| 30 | 23.5 | 29590 | 27090 | 49.5 | 30410 | 28290 | 59 | 29140 | 28850 | 65 | 24230 | 24230 | 30 |
| 35 | | | | 41.5 | 25170 | 20960 | 54 | 25490 | 21480 | 61 | 21310 | 21310 | 35 |
| 40 | | | | 32 | 21200 | 16200 | 48 | 21590 | 16700 | 56.5 | 19160 | 16990 | 40 |
| 45 | | | | 18.5 | 18060 | 12830 | 42 | 18490 | 13350 | 52 | 17070 | 13630 | 45 |
| 50 | | | | | | | 34.5 | 16000 | 10860 | 46.5 | 15330 | 11140 | 50 |
| 55 | | | | | | | 25 | 13940 | 8930 | 41 | 13850 | 9220 | 55 |
| 60 | | | | | | | 7 | 9790 | 7350 | 35 | 12440 | 7690 | 60 |
| 65 | | | | | | | | | | 27 | 10830 | 6440 | 65 |
| 70 | | | | | | | | | | 16 | 9430 | 5390 | 70 |
| | | | | | | | | | | | | | DEDUCTIONS FOR MAIN BOOM CAPACITIES |
| 1230 LBS | | | 890 LBS | | | 720 LBS | | | 610 LBS | | | STOWED JIB | |
| 2840 LBS | | | 2620 LBS | | | 2500 LBS | | | 2430 LBS | | | ERECTED JIB (RETRACTED) | |
| 3170 LBS | | | 2860 LBS | | | 2700 LBS | | | 2600 LBS | | | ERECTED JIB (EXTENDED) | |

| LOAD RADIUS (FT) | BOOM LENGTH 91 FT (D) | | | BOOM LENGTH 103 FT (E) | | | BOOM LENGTH 116 FT (F) | | | BOOM LENGTH 128 FT (G) | | | LOAD RADIUS (FT) |
|------------------|-------------------------|-----------------|-----------------|-------------------------|-----------------|-----------------|-------------------------|-----------------|-----------------|-------------------------|-----------------|-------------------------|-------------------------------------|
| | LOADED BOOM ANGLE (DEG) | CODE 1 | CODE 3 | LOADED BOOM ANGLE (DEG) | CODE 1 | CODE 3 | LOADED BOOM ANGLE (DEG) | CODE 1 | CODE 3 | LOADED BOOM ANGLE (DEG) | CODE 1 | CODE 3 | |
| | | OVER REAR (LBS) | FULL 360° (LBS) | | OVER REAR (LBS) | FULL 360° (LBS) | | OVER REAR (LBS) | FULL 360° (LBS) | | OVER REAR (LBS) | FULL 360° (LBS) | |
| 15 | 79 | 30000 | 30000 | | | | | | | | | | 15 |
| 20 | 76 | 26010 | 26010 | 78.5 | 22790 | 22790 | | | | | | | 20 |
| 25 | 72.5 | 22620 | 22620 | 75.5 | 20160 | 20160 | 78 | 17660 | 17660 | | | | 25 |
| 30 | 69.5 | 20000 | 20000 | 72.5 | 18080 | 18080 | 75.5 | 16060 | 16060 | 77.5 | 13000 | 13000 | 30 |
| 35 | 66 | 17710 | 17710 | 70.5 | 16070 | 16070 | 73 | 14480 | 14480 | 75.5 | 12760 | 12760 | 35 |
| 40 | 62.5 | 15740 | 15740 | 67.5 | 14360 | 14360 | 70.5 | 13050 | 13050 | 73 | 11760 | 11760 | 40 |
| 45 | 59 | 14050 | 13840 | 64 | 12900 | 12900 | 68 | 11780 | 11780 | 71 | 10800 | 10800 | 45 |
| 50 | 55 | 12620 | 11340 | 60.5 | 11610 | 11480 | 65 | 10640 | 10640 | 68.5 | 10000 | 10000 | 50 |
| 55 | 50.5 | 11380 | 9420 | 57 | 10500 | 9550 | 62 | 9890 | 9660 | 66 | 9130 | 9130 | 55 |
| 60 | 46.5 | 10340 | 7890 | 53.5 | 9760 | 8020 | 59 | 8970 | 8130 | 63.5 | 8320 | 8200 | 60 |
| 65 | 41.5 | 9630 | 6650 | 50 | 8860 | 6780 | 56 | 8160 | 6880 | 60.5 | 7570 | 6950 | 65 |
| 70 | 36.5 | 8770 | 5610 | 46 | 8060 | 5740 | 53 | 7430 | 5850 | 58 | 6910 | 5920 | 70 |
| 75 | 30 | 8000 | 4740 | 41.5 | 7350 | 4870 | 49.5 | 6780 | 4970 | 55 | 6300 | 5050 | 75 |
| 80 | 22 | 7320 | 3980 | 37 | 6720 | 4120 | 46 | 6180 | 4230 | 52 | 5750 | 4300 | 80 |
| 85 | 7 | 5290 | 3300 | 31.5 | 6140 | 3480 | 42.5 | 5650 | 3580 | 49 | 5250 | 3650 | 85 |
| 90 | | | | 25 | 5630 | 2910 | 38 | 5160 | 3020 | 46 | 4790 | 3090 | 90 |
| 95 | | | | 15.5 | 5160 | 2390 | 33.5 | 4720 | 2520 | 42 | 4370 | 2590 | 95 |
| 100 | | | | | | | 28.5 | 4310 | 2070 | 38.5 | 3980 | 2150 | 100 |
| 105 | | | | | | | 21.5 | 3940 | 1670 | 34 | 3620 | 1760 | 105 |
| 110 | | | | | | | 7.5 | 3610 | 1290 | 29.5 | 3300 | 1400 | 110 |
| 115 | | | | | | | | | | 23.5 | 2990 | 1070 | 115 |
| 120 | | | | | | | | | | 15 | 2710 | 770 | 120 |
| | | | | | | | | | | | | | DEDUCTIONS FOR MAIN BOOM CAPACITIES |
| 520 LBS | | | 460 LBS | | | 410 LBS | | | 370 LBS | | | STOWED JIB | |
| 2370 LBS | | | 2330 LBS | | | 2300 LBS | | | 2280 LBS | | | ERECTED JIB (RETRACTED) | |
| 2520 LBS | | | 2460 LBS | | | 2410 LBS | | | 2380 LBS | | | ERECTED JIB (EXTENDED) | |



**USE THIS CHART ONLY
WHEN ALL OUTRIGGER
BEAMS ARE IN THE MID
POSITION**



MAIN BOOM LIFTING CAPACITIES

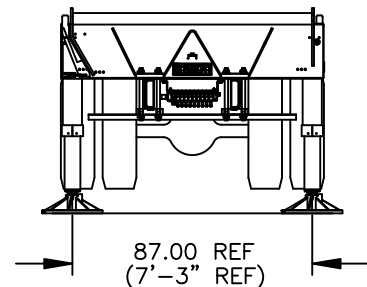
LMI CODE 4

| LOAD RADIUS (FT) | BOOM LENGTH 38.5 FT | | BOOM LENGTH 53 FT (A) | | BOOM LENGTH 66 FT (B) | | BOOM LENGTH 78 FT (C) | | BOOM LENGTH 91 FT (D) | | BOOM LENGTH 103 FT (E) | | BOOM LENGTH 116 FT (F) | | BOOM LENGTH 128 FT (G) | | LOAD RADIUS (FT) |
|------------------|-------------------------|-----------------|-------------------------|-----------------|-------------------------|-----------------|-------------------------|-----------------|-------------------------|-----------------|-------------------------|-----------------|-------------------------|-----------------|-------------------------|-----------------|------------------|
| | LOADED BOOM ANGLE (DEG) | FULL 360° (LBS) | LOADED BOOM ANGLE (DEG) | FULL 360° (LBS) | LOADED BOOM ANGLE (DEG) | FULL 360° (LBS) | LOADED BOOM ANGLE (DEG) | FULL 360° (LBS) | LOADED BOOM ANGLE (DEG) | FULL 360° (LBS) | LOADED BOOM ANGLE (DEG) | FULL 360° (LBS) | LOADED BOOM ANGLE (DEG) | FULL 360° (LBS) | LOADED BOOM ANGLE (DEG) | FULL 360° (LBS) | |
| 6 | 73.5 | 100000 | | | | | | | | | | | | | | | 6 |
| 8 | 70.5 | 86600 | | | | | | | | | | | | | | | 8 |
| 10 | 67 | 76400 | 74.5 | 51000 | 78 | 51000 | | | | | | | | | | | 10 |
| 12 | 64 | 68400 | 72.5 | 51000 | 76.5 | 51000 | 79 | 41710 | | | | | | | | | 12 |
| 15 | 59 | 50190 | 68.5 | 51000 | 73.5 | 46650 | 77 | 37880 | 79 | 30000 | | | | | | | 15 |
| 20 | 49.5 | 27120 | 62.5 | 28220 | 69 | 28790 | 73 | 29140 | 76 | 26010 | 78.5 | 22790 | | | | | 20 |
| 25 | 38.5 | 17330 | 56 | 18320 | 64 | 18800 | 69 | 19100 | 72.5 | 19340 | 75.5 | 19500 | 78 | 17600 | | | 25 |
| 30 | 23.5 | 11870 | 49.5 | 12840 | 59 | 13290 | 65 | 13560 | 69.5 | 13770 | 72.5 | 13910 | 75.5 | 14040 | 77.5 | 13000 | 30 |
| 35 | | | 41.5 | 9360 | 54 | 9790 | 61 | 10040 | 66 | 10240 | 70.5 | 10370 | 73 | 10490 | 75.5 | 10570 | 35 |
| 40 | | | 32 | 6930 | 48 | 7360 | 56.5 | 7610 | 62.5 | 7800 | 67.5 | 7930 | 70.5 | 8030 | 73 | 8110 | 40 |
| 45 | | | 18.5 | 5120 | 42 | 5580 | 52 | 5830 | 59 | 6010 | 64 | 6130 | 68 | 6230 | 71 | 6310 | 45 |
| 50 | | | | | 34.5 | 4220 | 46.5 | 4470 | 55 | 4640 | 60.5 | 4760 | 65 | 4860 | 68.5 | 4930 | 50 |
| 55 | | | | | 25 | 3120 | 41 | 3380 | 50.5 | 3560 | 57 | 3680 | 62 | 3780 | 66 | 3840 | 55 |
| 60 | | | | | 7 | 2200 | 35 | 2510 | 46.5 | 2690 | 53.5 | 2810 | 59 | 2900 | 63.5 | 2970 | 60 |
| 65 | | | | | | | 27 | 1770 | 41.5 | 1960 | 50 | 2080 | 56 | 2170 | 60.5 | 2240 | 65 |
| 70 | | | | | | | 16 | 1140 | 36.5 | 1350 | 46 | 1470 | 53 | 1560 | 58 | 1630 | 70 |
| 75 | | | | | | | | | 30 | 830 | 41.5 | 950 | 49.5 | 1040 | 55 | 1110 | 75 |
| 80 | | | | | | | | | | | | | | | | | 80 |
| 85 | | | | | | | | | | | | | | | | | 85 |

| DEDUCTIONS FOR JIB FROM MAIN BOOM CAPACITIES | | | | | | | | |
|--|----------|----------|----------|----------|----------|----------|----------|--------|
| 1230 LBS | 890 LBS | 720 LBS | 610 LBS | 520 LBS | 460 LBS | 410 LBS | 370 LBS | STOWED |
| 2840 LBS | 2620 LBS | 2500 LBS | 2430 LBS | 2370 LBS | 2330 LBS | 2300 LBS | 2280 LBS | RETR |
| 3170 LBS | 2860 LBS | 2700 LBS | 2600 LBS | 2520 LBS | 2460 LBS | 2410 LBS | 2380 LBS | EXTEND |



**USE THIS CHART WHEN ALL
OUTRIGGER BEAMS ARE NOT IN
EITHER THE MID OR FULLY
EXTENDED POSITION**



MAIN BOOM LIFTING CAPACITIES

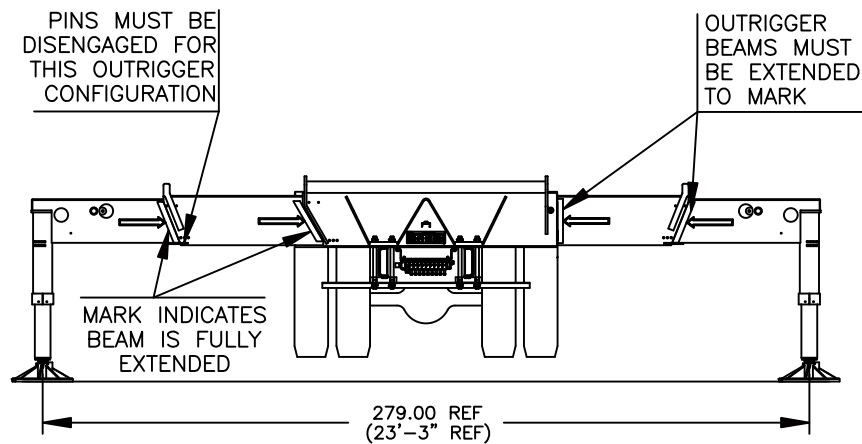
| LMI CODE 5 | | | | | | | | | | | | | |
|---|-------------------------|-----------------|-------------------------|-----------------|-------------------------|-----------------|-------------------------|-----------------|-------------------------|-----------------|-------------------------|-----------------|------------------|
| LOAD RADIUS (FT) | BOOM LENGTH 38.5 FT | | BOOM LENGTH 53 FT (A) | | BOOM LENGTH 66 FT (B) | | BOOM LENGTH 78 FT (C) | | BOOM LENGTH 91 FT (D) | | BOOM LENGTH 103 FT (E) | | LOAD RADIUS (FT) |
| | LOADED BOOM ANGLE (DEG) | FULL 360° (LBS) | LOADED BOOM ANGLE (DEG) | FULL 360° (LBS) | LOADED BOOM ANGLE (DEG) | FULL 360° (LBS) | LOADED BOOM ANGLE (DEG) | FULL 360° (LBS) | LOADED BOOM ANGLE (DEG) | FULL 360° (LBS) | LOADED BOOM ANGLE (DEG) | FULL 360° (LBS) | |
| 6 | 73.5 | 93380 | | | | | | | | | | | 6 |
| 8 | 70.5 | 47730 | | | | | | | | | | | 8 |
| 10 | 67 | 30710 | 74.5 | 31930 | 78 | 32570 | | | | | | | 10 |
| 12 | 64 | 21810 | 72.5 | 22870 | 76.5 | 23420 | 79 | 23770 | | | | | 12 |
| 15 | 59 | 14330 | 68.5 | 15250 | 73.5 | 15730 | 77 | 16020 | 79 | 16260 | | | 15 |
| 20 | 49.5 | 7920 | 62.5 | 8750 | 69 | 9160 | 73 | 9420 | 76 | 9620 | 78.5 | 9760 | 20 |
| 25 | 38.5 | 4480 | 56 | 5280 | 64 | 5670 | 69 | 5900 | 72.5 | 6080 | 75.5 | 6210 | 25 |
| 30 | 23.5 | 2300 | 49.5 | 3120 | 59 | 3490 | 65 | 3720 | 69.5 | 3890 | 72.5 | 4000 | 30 |
| 35 | | | 41.5 | 1630 | 54 | 2000 | 61 | 2220 | 66 | 2390 | 70.5 | 2500 | 35 |
| 40 | | | | | 48 | 920 | 56.5 | 1140 | 62.5 | 1300 | 67.5 | 1410 | 40 |
| 45 | | | | | | | | | | | | | 45 |
| 50 | | | | | | | | | | | | | 50 |
| DEDUCTIONS FOR STOWED JIB FROM MAIN BOOM CAPACITIES | | | | | | | | | | | | | |
| 1230 LBS | | 890 LBS | | 720 LBS | | 610 LBS | | 520 LBS | | 460 LBS | | | |

WARNINGS

1. THE JIB MUST BE IN THE STOWED POSITION, IF SO EQUIPPED, WHEN USING THIS OUTRIGGER CONFIGURATION.
2. DO NOT EXCEED A BOOM LENGTH OF 103 FEET WITH THIS OUTRIGGER CONFIGURATION.



**USE THIS CHART ONLY
WHEN ALL OUTRIGGER
BEAMS ARE FULLY
EXTENDED**

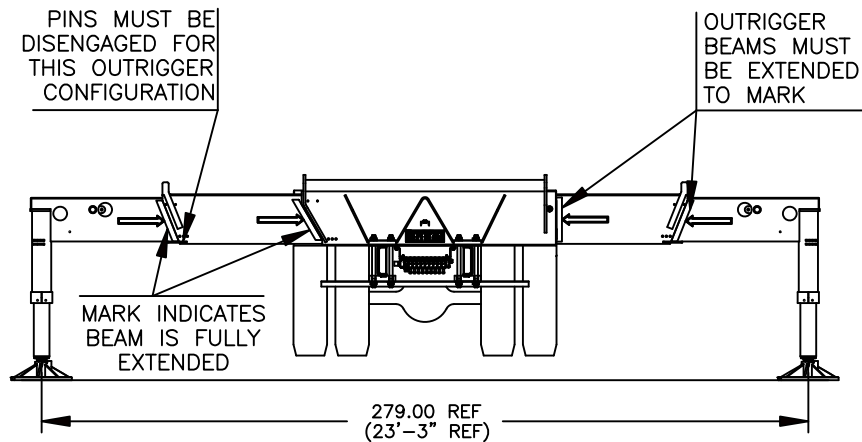


32 FT RETRACTED JIB LIFTING CAPACITIES

| LOAD RADIUS (FT) | LOADED BOOM ANGLE (DEG) | 0' OFFSET | | 15' OFFSET | | | 30' OFFSET | | |
|------------------------|----------------------------------|-----------------------|-----------------------|----------------------------------|-----------------------|-----------------------|----------------------------------|-----------------------|-----------------------|
| | | CODE 7 | CODE 8 | LOADED BOOM ANGLE (DEG) | CODE 9 | CODE 10 | LOADED BOOM ANGLE (DEG) | CODE 11 | CODE 12 |
| | | OVER REAR (LBS) | FULL 360° (LBS) | | OVER REAR (LBS) | FULL 360° (LBS) | | OVER REAR (LBS) | FULL 360° (LBS) |
| 35 | 78 | 5400 | 5400 | | | | | | |
| 40 | 76.5 | 5400 | 5400 | 79.5 | 5400 | 5400 | | | |
| 45 | 75 | 5400 | 5400 | 78 | 5400 | 5400 | | | |
| 50 | 73.5 | 5400 | 5400 | 76.5 | 5400 | 5400 | 79 | 5400 | 5400 |
| 55 | 72 | 5400 | 5400 | 74.5 | 5400 | 5400 | 77 | 5400 | 5400 |
| 60 | 70 | 5400 | 5400 | 73 | 5400 | 5400 | 75 | 5400 | 5400 |
| 65 | 68.5 | 5400 | 5400 | 71 | 5400 | 5400 | 73 | 5240 | 5240 |
| 70 | 66.5 | 5210 | 5210 | 69 | 5230 | 5230 | 71.5 | 4990 | 4990 |
| 75 | 64.5 | 4740 | 4740 | 67 | 4970 | 4970 | 69.5 | 4750 | 4750 |
| 80 | 62.5 | 4300 | 4140 | 65 | 4570 | 4570 | 67.5 | 4520 | 4520 |
| 85 | 60.5 | 3890 | 3490 | 63 | 4140 | 3890 | 65 | 4310 | 4220 |
| 90 | 58 | 3510 | 2920 | 61 | 3740 | 3280 | 63 | 3930 | 3580 |
| 95 | 55.5 | 3160 | 2410 | 58.5 | 3360 | 2740 | 60.5 | 3540 | 3010 |
| 100 | 53 | 2820 | 1970 | 56 | 3010 | 2270 | 58 | 3170 | 2500 |
| 105 | 50.5 | 2520 | 1570 | 53.5 | 2690 | 1840 | 55.5 | 2830 | 2040 |
| 110 | 48 | 2230 | 1210 | 50.5 | 2390 | 1450 | 52.5 | 2510 | 1630 |
| 115 | 45.5 | 1960 | 880 | 48 | 2100 | 1100 | 49.5 | 2210 | 1260 |
| 120 | 42.5 | 1700 | | 45 | 1830 | | 46.5 | 1920 | 910 |
| 125 | 39.5 | 1470 | | 42 | 1580 | | 43 | 1660 | |
| 130 | 36.5 | 1240 | | 38.5 | 1350 | | 39.5 | 1400 | |
| 135 | 32.5 | 1030 | | 34.5 | 1120 | | 35.5 | 1160 | |
| 140 | 28.5 | 840 | | 30.5 | 910 | | 30.5 | 920 | |
| 145 | | | | | | | | | |



**USE THIS CHART ONLY
WHEN ALL OUTRIGGER
BEAMS ARE FULLY
EXTENDED**

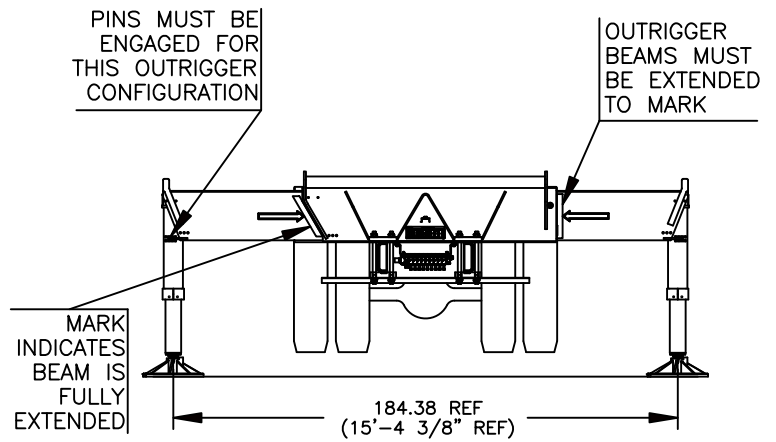


49 FT EXTENDED JIB LIFTING CAPACITIES

| LOAD RADIUS (FT) | LOADED BOOM ANGLE (DEG) | 0° OFFSET | | 15° OFFSET | | | 30° OFFSET | | |
|------------------|-------------------------|-----------------|-----------------|-------------------------|-----------------|-----------------|-------------------------|-----------------|-----------------|
| | | CODE 13 | CODE 14 | LOADED BOOM ANGLE (DEG) | CODE 15 | CODE 16 | LOADED BOOM ANGLE (DEG) | CODE 17 | CODE 18 |
| | | OVER REAR (LBS) | FULL 360° (LBS) | | OVER REAR (LBS) | FULL 360° (LBS) | | OVER REAR (LBS) | FULL 360° (LBS) |
| 40 | 78 | 4300 | 4300 | | | | | | |
| 45 | 76.5 | 4300 | 4300 | | | | | | |
| 50 | 75 | 4300 | 4300 | 79.5 | 4300 | 4300 | | | |
| 55 | 73.5 | 4300 | 4300 | 78 | 4300 | 4300 | | | |
| 60 | 72 | 4300 | 4300 | 76.5 | 4300 | 4300 | 79.5 | 3700 | 3700 |
| 65 | 70.5 | 4300 | 4300 | 75 | 4300 | 4300 | 78 | 3590 | 3590 |
| 70 | 69 | 4300 | 4300 | 73.5 | 4230 | 4230 | 76 | 3490 | 3490 |
| 75 | 67.5 | 4300 | 4300 | 71.5 | 4080 | 4080 | 74 | 3390 | 3390 |
| 80 | 66 | 4240 | 4240 | 70 | 3930 | 3930 | 72.5 | 3300 | 3300 |
| 85 | 64.5 | 4030 | 4030 | 68.5 | 3760 | 3760 | 70.5 | 3220 | 3220 |
| 90 | 63 | 3740 | 3530 | 66.5 | 3590 | 3590 | 69 | 3140 | 3140 |
| 95 | 61 | 3430 | 3020 | 64.5 | 3420 | 3420 | 67 | 3070 | 3070 |
| 100 | 59 | 3120 | 2560 | 62.5 | 3270 | 3030 | 65 | 3000 | 3000 |
| 105 | 57 | 2840 | 2160 | 60.5 | 3100 | 2590 | 63 | 2940 | 2940 |
| 110 | 54.5 | 2560 | 1800 | 58 | 2810 | 2190 | 61 | 2880 | 2520 |
| 115 | 52 | 2310 | 1470 | 56 | 2540 | 1830 | 58.5 | 2720 | 2120 |
| 120 | 49.5 | 2070 | 1170 | 53.5 | 2280 | 1500 | 56 | 2450 | 1760 |
| 125 | 47 | 1840 | 900 | 51 | 2040 | 1200 | 53.5 | 2190 | 1430 |
| 130 | 44.5 | 1630 | | 48 | 1810 | 920 | 50.5 | 1940 | 1120 |
| 135 | 42 | 1430 | | 45.5 | 1590 | | 47.5 | 1700 | 830 |
| 140 | 39.5 | 1240 | | 42.5 | 1390 | | 44.5 | 1480 | |
| 145 | 36.5 | 1060 | | 39.5 | 1190 | | 41 | 1260 | |
| 150 | 33 | 900 | | 36 | 1000 | | 37 | 1050 | |
| 155 | | | | 32 | 820 | | 32.5 | 850 | |
| 160 | | | | | | | | | |



**USE THIS CHART ONLY
WHEN ALL OUTRIGGER
BEAMS ARE IN THE MID
POSITION**



32 FT RETRACTED JIB LIFTING CAPACITIES

| LOAD RADIUS (FT) | 0' OFFSET | | 15' OFFSET | | 30' OFFSET | |
|------------------|-------------------------|-----------------|-------------------------|-----------------|-------------------------|-----------------|
| | LOADED BOOM ANGLE (DEG) | CODE 19 | LOADED BOOM ANGLE (DEG) | CODE 20 | LOADED BOOM ANGLE (DEG) | CODE 21 |
| | | FULL 360° (LBS) | | FULL 360° (LBS) | | FULL 360° (LBS) |
| 35 | 78 | 5400 | | | | |
| 40 | 76.5 | 5400 | 79.5 | 5400 | | |
| 45 | 75 | 5400 | 78 | 5400 | | |
| 50 | 73.5 | 4740 | 76.5 | 5400 | 79 | 5400 |
| 55 | 72 | 3630 | 74.5 | 4310 | 77 | 4910 |
| 60 | 70 | 2740 | 73 | 3350 | 75 | 3870 |
| 65 | 68.5 | 2000 | 71 | 2540 | 73 | 3010 |
| 70 | 66.5 | 1380 | 69 | 1870 | 71.5 | 2280 |
| 75 | 64.5 | 860 | 67 | 1300 | 69.5 | 1660 |
| 80 | | | | | 67.5 | 1130 |
| 85 | | | | | | |

49 FT EXTENDED JIB LIFTING CAPACITIES

| LOAD RADIUS (FT) | 0' OFFSET | | 15' OFFSET | | 30' OFFSET | |
|------------------|-------------------------|-----------------|-------------------------|-----------------|-------------------------|-----------------|
| | LOADED BOOM ANGLE (DEG) | CODE 22 | LOADED BOOM ANGLE (DEG) | CODE 23 | LOADED BOOM ANGLE (DEG) | CODE 24 |
| | | FULL 360° (LBS) | | FULL 360° (LBS) | | FULL 360° (LBS) |
| 40 | 78 | 4300 | | | | |
| 45 | 76.5 | 4300 | | | | |
| 50 | 75 | 4300 | 79.5 | 4300 | | |
| 55 | 73.5 | 4300 | 78 | 4300 | | |
| 60 | 72 | 3390 | 76.5 | 4280 | 79.5 | 3700 |
| 65 | 70.5 | 2640 | 75 | 3440 | 78 | 3590 |
| 70 | 69 | 2010 | 73.5 | 2740 | 76 | 3380 |
| 75 | 67.5 | 1470 | 71.5 | 2130 | 74 | 2710 |
| 80 | 66 | 1010 | 70 | 1610 | 72.5 | 2140 |
| 85 | | | 68.5 | 1160 | 70.5 | 1630 |
| 90 | | | 66.5 | 760 | 69 | 1190 |
| 95 | | | | | 67 | 800 |
| 100 | | | | | | |