

Load Rating Chart

Model 45110T



© Manitex 2000

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 |
| #2 | — MAIN BOOM — — — — — | FULLY EXTENDED — — — — — | 180° OVER REAR |
| #3 | — MAIN BOOM —FOR BOOM STOW & OUT OF STOW— | ALL O/R CONFIGURATIONS — | FULL 360° |
| #4 | — MAIN BOOM — — — — — | MID POSITION — — — — — | 180° OVER REAR |
| #5 | — MAIN BOOM — — — — — | RETRACTED — — — — — | 180° OVER REAR |
| #6 | — MAIN BOOM — — — — — | ON TIRES — — — — — | DIRECTLY OVER REAR |
| #7 | — RETRACTED JIB 0° OFFSET — — — — — | FULLY EXTENDED — — — — — | OVER REAR |
| #8 | — RETRACTED JIB 0° OFFSET — — — — — | FULLY EXTENDED — — — — — | 180° OVER REAR |
| #9 | — RETRACTED JIB 15° OFFSET — — — — — | FULLY EXTENDED — — — — — | OVER REAR |
| #10 | — RETRACTED JIB 15° OFFSET — — — — — | FULLY EXTENDED — — — — — | 180° OVER REAR |
| #11 | — RETRACTED JIB 30° OFFSET — — — — — | FULLY EXTENDED — — — — — | OVER REAR |
| #12 | — RETRACTED JIB 30° OFFSET — — — — — | FULLY EXTENDED — — — — — | 180° OVER REAR |
| #13 | — EXTENDED JIB 0° OFFSET — — — — — | FULLY EXTENDED — — — — — | OVER REAR |
| #14 | — EXTENDED JIB 0° OFFSET — — — — — | FULLY EXTENDED — — — — — | 180° OVER REAR |
| #15 | — EXTENDED JIB 15° OFFSET — — — — — | FULLY EXTENDED — — — — — | OVER REAR |
| #16 | — EXTENDED JIB 15° OFFSET — — — — — | FULLY EXTENDED — — — — — | 180° OVER REAR |
| #17 | — EXTENDED JIB 30° OFFSET — — — — — | FULLY EXTENDED — — — — — | OVER REAR |
| #18 | — EXTENDED JIB 30° OFFSET — — — — — | FULLY EXTENDED — — — — — | 180° OVER REAR |
| #19 | — RETRACTED JIB 0° OFFSET — — — — — | MID POSITION — — — — — | 180° OVER REAR |
| #20 | — RETRACTED JIB 15° OFFSET — — — — — | MID POSITION — — — — — | 180° OVER REAR |
| #21 | — RETRACTED JIB 30° OFFSET — — — — — | MID POSITION — — — — — | 180° OVER REAR |
| #22 | — EXTENDED JIB 0° OFFSET — — — — — | MID POSITION — — — — — | 180° OVER REAR |
| #23 | — EXTENDED JIB 15° OFFSET — — — — — | MID POSITION — — — — — | 180° OVER REAR |
| #24 | — EXTENDED JIB 30° OFFSET — — — — — | MID POSITION — — — — — | 180° OVER REAR |
| #25 | — PERSONNEL LIFTING MAIN BOOM — — — — — | FULLY EXTENDED — — — — — | 180° OVER REAR |
| #26 | — PERSONNEL LIFTING RETR JIB 0° OFFSET — — — — — | FULLY EXTENDED — — — — — | 180° OVER REAR |
| #27 | — PERSONNEL LIFTING RETR JIB 15° OFFSET — — — — — | FULLY EXTENDED — — — — — | 180° OVER REAR |
| #28 | — PERSONNEL LIFTING RETR JIB 30° OFFSET — — — — — | FULLY EXTENDED — — — — — | 180° OVER REAR |
| #29 | — PERSONNEL LIFTING EXTENDED JIB 0° OFFSET — — — — — | FULLY EXTENDED — — — — — | 180° OVER REAR |
| #30 | — PERSONNEL LIFTING EXTENDED JIB 15° OFFSET — — — — — | FULLY EXTENDED — — — — — | 180° OVER REAR |
| #31 | — PERSONNEL LIFTING EXTENDED JIB 30° OFFSET — — — — — | FULLY EXTENDED — — — — — | 180° OVER REAR |

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 JIBS, 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

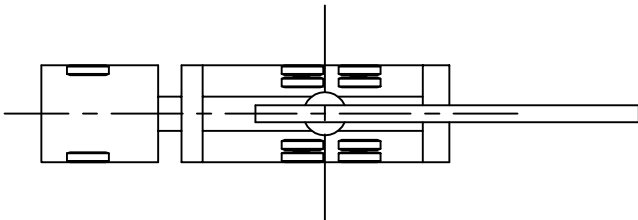
1. OPERATING RADIUS IS THE HORIZONTAL DISTANCE FROM THE AXIS OF ROTATION TO THE CENTER OF THE VERTICAL HOIST LINE OR TACKLE WITH LOAD APPLIED.
2. LOADED BOOM ANGLE IS THE INCLUDED ANGLE BETWEEN THE HORIZONTAL AND LONGITUDINAL AXES OF THE BOOM BASE AFTER LIFTING RATED LOAD AT RATED RADIUS.

| 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 | 89900 LBS | 89900 LBS | |

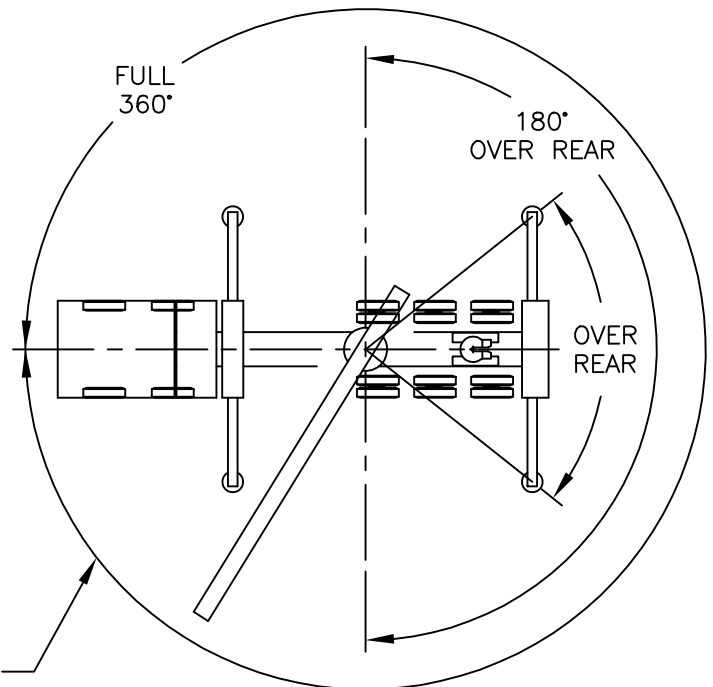
AREA OF OPERATIONS

ON TIRES

WHEN LIFTING ON TIRES, THE BOOM MUST BE CENTERED OVER THE REAR OF THE CRANE WITH THE SWING BRAKE AND THE HOUSELOCK ENGAGED.



ON OUTRIGGERS

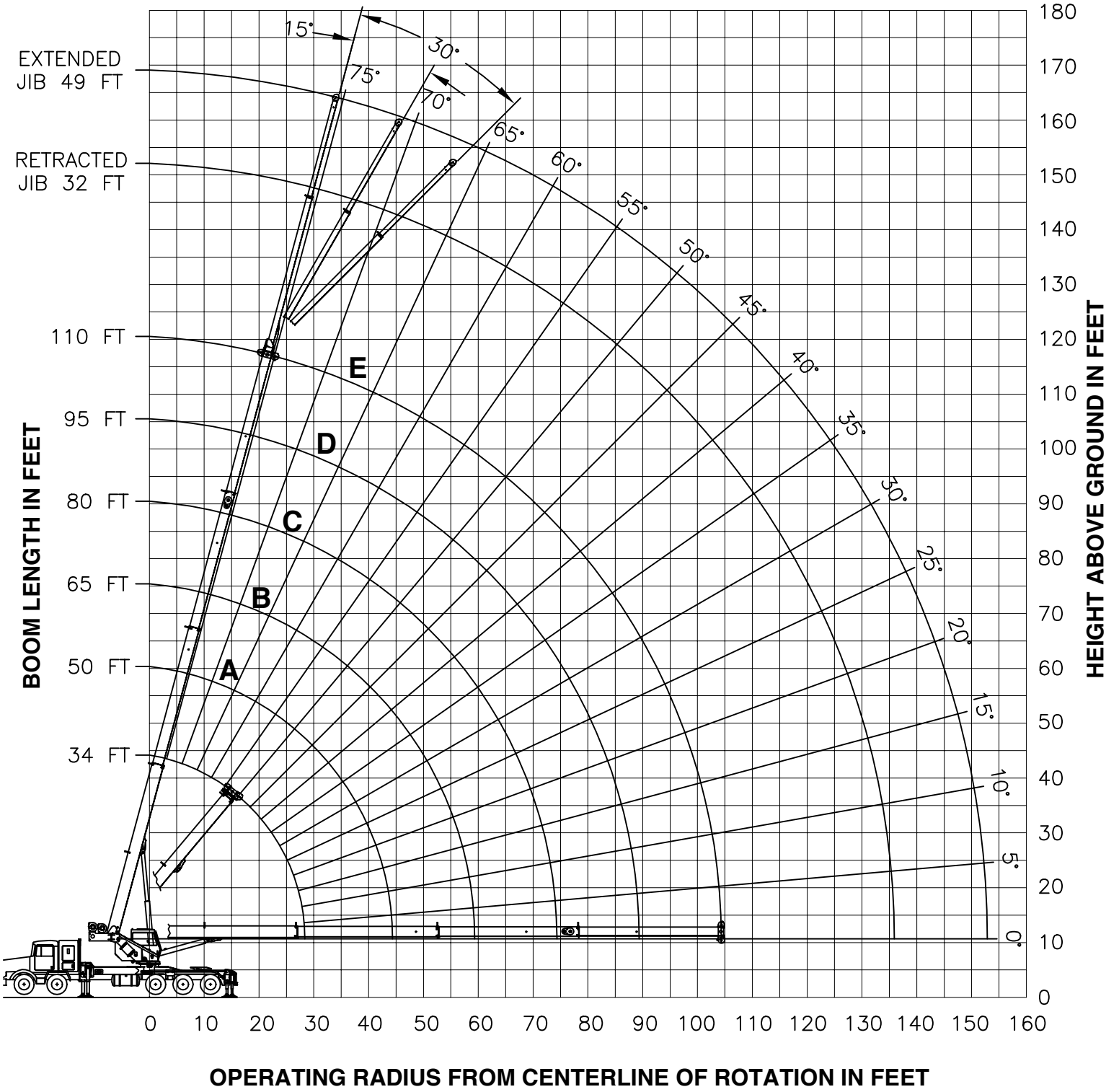


FULL 360° AREA OF OPERATION IS ONLY ALLOWED WITH RETRACTED BOOM FOR STORAGE. NO LOADS ARE TO BE LIFTED OVER THE FRONT OTHER THAN EMPTY HOOK BLOCK AND STOWED JIB.

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 |

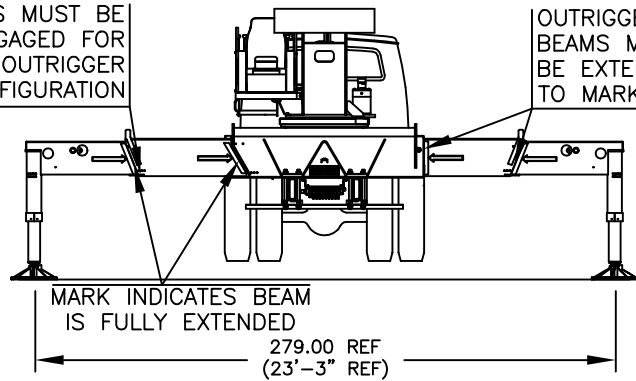
- RANGE DIAGRAM -



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

PINS MUST BE
DISENGAGED FOR
THIS OUTRIGGER
CONFIGURATION

OUTRIGGER
BEAMS MUST
BE EXTENDED
TO MARK

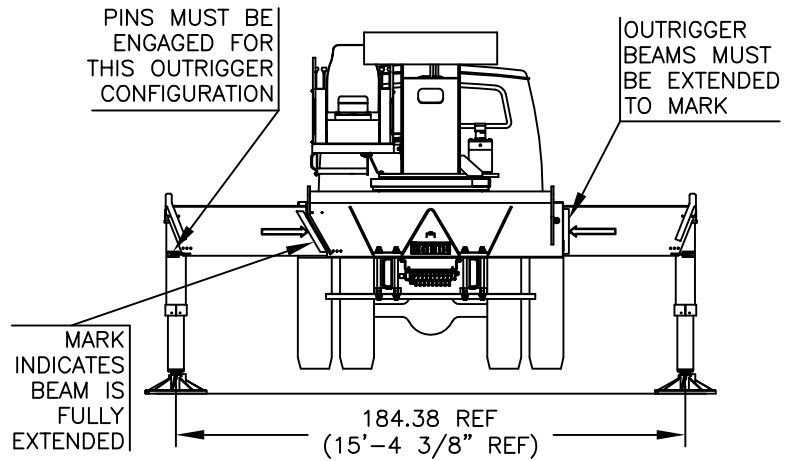


MAIN BOOM LIFTING CAPACITIES

| LOAD RADIUS (FT) | BOOM LENGTH 34 FT | | | BOOM LENGTH 50 FT (A) | | | BOOM LENGTH 65 FT (B) | | | |
|------------------|-------------------------|-----------------|----------------------|-------------------------|-----------------|----------------------|-------------------------|-------------------------|----------------------|--|
| | LOADED BOOM ANGLE (DEG) | CODE 1 | CODE 2 | LOADED BOOM ANGLE (DEG) | CODE 1 | CODE 2 | LOADED BOOM ANGLE (DEG) | CODE 1 | CODE 2 | |
| | | OVER REAR (LBS) | 180° OVER REAR (LBS) | | OVER REAR (LBS) | 180° OVER REAR (LBS) | | OVER REAR (LBS) | 180° OVER REAR (LBS) | |
| 6 | 71 | 89900 | 89900 | | | | | | | |
| 8 | 67.5 | 88100 | 88100 | | | | | | | |
| 10 | 63.5 | 77900 | 77900 | 73 | 51000 | 51000 | | | | |
| 12 | 60 | 69900 | 69900 | 70.5 | 51000 | 51000 | | | | |
| 15 | 53.5 | 56000 | 56000 | 67 | 51000 | 51000 | 73 | 40000 | 40000 | |
| 20 | 42 | 41800 | 41800 | 60.5 | 42400 | 42400 | 68.5 | 38810 | 38810 | |
| 25 | 26.5 | 34300 | 34300 | 53.5 | 35000 | 35000 | 63.5 | 33150 | 33150 | |
| 30 | | | | 45.5 | 29070 | 29070 | 58.5 | 29000 | 29000 | |
| 35 | | | | 36.5 | 24120 | 22080 | 53 | 24500 | 22590 | |
| 40 | | | | 25 | 20370 | 17220 | 47 | 20770 | 17740 | |
| 45 | | | | | | | 40.5 | 17850 | 14330 | |
| 50 | | | | | | | 32.5 | 15500 | 11800 | |
| 55 | | | | | | | 22.5 | 13550 | 9840 | DEDUCT FOR JIB FROM MAIN BOOM CAPACITIES |
| | | 1150 LBS | | 780 LBS | | 600 LBS | | STOWED JIB | | |
| | | 2940 LBS | | 2650 LBS | | 2510 LBS | | ERECTED JIB (RETRACTED) | | |
| | | 3320 LBS | | 2910 LBS | | 2710 LBS | | ERECTED JIB (EXTENDED) | | |

| LOAD RADIUS (FT) | BOOM LENGTH 80 FT (C) | | | BOOM LENGTH 95 FT (D) | | | BOOM LENGTH 110 FT (E) | | | |
|------------------|-------------------------|-----------------|----------------------|-------------------------|-----------------|----------------------|-------------------------|-------------------------|----------------------|--|
| | LOADED BOOM ANGLE (DEG) | CODE 1 | CODE 2 | LOADED BOOM ANGLE (DEG) | CODE 1 | CODE 2 | LOADED BOOM ANGLE (DEG) | CODE 1 | CODE 2 | |
| | | OVER REAR (LBS) | 180° OVER REAR (LBS) | | OVER REAR (LBS) | 180° OVER REAR (LBS) | | OVER REAR (LBS) | 180° OVER REAR (LBS) | |
| 20 | 73.5 | 28230 | 28230 | | | | | | | |
| 25 | 69.5 | 24350 | 24350 | 73.5 | 20000 | 20000 | | | | |
| 30 | 65.5 | 21280 | 21280 | 70.5 | 18680 | 18680 | 74 | 15500 | 15500 | |
| 35 | 61.5 | 19000 | 19000 | 67.5 | 16580 | 16580 | 71.5 | 14660 | 14660 | |
| 40 | 57.5 | 16870 | 16870 | 64 | 14820 | 14820 | 69 | 13270 | 13270 | |
| 45 | 53 | 15120 | 14600 | 60.5 | 13330 | 13330 | 66 | 11960 | 11960 | |
| 50 | 48 | 13600 | 12070 | 57 | 12050 | 12050 | 63 | 10850 | 10850 | |
| 55 | 43 | 12310 | 10120 | 53 | 10920 | 10290 | 60 | 9950 | 9950 | |
| 60 | 37 | 11200 | 8570 | 49 | 10000 | 8740 | 56.5 | 9210 | 8850 | |
| 65 | 30 | 10240 | 7310 | 44.5 | 9300 | 7480 | 53.5 | 8410 | 7590 | |
| 70 | 21 | 9620 | 6250 | 40 | 8520 | 6430 | 50 | 7700 | 6540 | |
| 75 | | | | 34.5 | 7800 | 5550 | 46 | 7060 | 5660 | |
| 80 | | | | 28 | 7180 | 4790 | 42 | 6480 | 4900 | |
| 85 | | | | 20 | 6620 | 4120 | 37.5 | 5960 | 4250 | |
| 90 | | | | | | | 33 | 5490 | 3680 | |
| 95 | | | | | | | 27 | 5070 | 3170 | |
| 100 | | | | | | | 19 | 4680 | 2710 | DEDUCT FOR JIB FROM MAIN BOOM CAPACITIES |
| | | 490 LBS | | 420 LBS | | 360 LBS | | STOWED JIB | | |
| | | 2420 LBS | | 2360 LBS | | 2320 LBS | | ERECTED JIB (RETRACTED) | | |
| | | 2580 LBS | | 2500 LBS | | 2430 LBS | | ERECTED JIB (EXTENDED) | | |

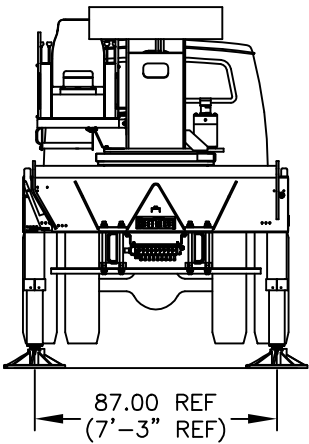
**USE THIS CHART ONLY WHEN
ALL OUTRIGGER BEAMS ARE
IN THE MID POSITION**



MAIN BOOM LIFTING CAPACITIES

| LMI CODE 4 | | | | | | | | | | | | | |
|------------------|-------------------------|----------------------|-------------------------|----------------------|-------------------------|----------------------|-------------------------|----------------------|-------------------------|----------------------|-------------------------|----------------------|--|
| LOAD RADIUS (FT) | BOOM LENGTH 34 FT | | BOOM LENGTH 50 FT (A) | | BOOM LENGTH 65 FT (B) | | BOOM LENGTH 80 FT (C) | | BOOM LENGTH 95 FT (D) | | BOOM LENGTH 110 FT (E) | | DEDUCTIONS FOR JIB FROM MAIN BOOM CAPACITIES |
| | LOADED BOOM ANGLE (DEG) | 180° OVER REAR (LBS) | LOADED BOOM ANGLE (DEG) | 180° OVER REAR (LBS) | LOADED BOOM ANGLE (DEG) | 180° OVER REAR (LBS) | LOADED BOOM ANGLE (DEG) | 180° OVER REAR (LBS) | LOADED BOOM ANGLE (DEG) | 180° OVER REAR (LBS) | LOADED BOOM ANGLE (DEG) | 180° OVER REAR (LBS) | |
| 6 | 71 | 89900 | | | | | | | | | | | |
| 8 | 67.5 | 88100 | | | | | | | | | | | |
| 10 | 63.5 | 77900 | 73 | 51000 | | | | | | | | | |
| 12 | 60 | 69900 | 70.5 | 51000 | | | | | | | | | |
| 15 | 53.5 | 50890 | 67 | 51000 | 73 | 40000 | | | | | | | |
| 20 | 42 | 27770 | 60.5 | 28950 | 68.5 | 29500 | 73.5 | 28230 | | | | | |
| 25 | 26.5 | 17940 | 53.5 | 19040 | 63.5 | 19510 | 69.5 | 19800 | 73.5 | 19990 | | | |
| 30 | | | 45.5 | 13550 | 58.5 | 13990 | 65.5 | 14250 | 70.5 | 14430 | 74 | 14550 | |
| 35 | | | 36.5 | 10060 | 53 | 10490 | 61.5 | 10730 | 67.5 | 10900 | 71.5 | 11010 | |
| 40 | | | 25 | 7620 | 47 | 8060 | 57.5 | 8300 | 64 | 8460 | 69 | 8570 | |
| 45 | | | | | 40.5 | 6280 | 53 | 6520 | 60.5 | 6670 | 66 | 6780 | |
| 50 | | | | | 32.5 | 4910 | 48 | 5160 | 57 | 5310 | 63 | 5410 | |
| 55 | | | | | 22.5 | 3820 | 43 | 4080 | 53 | 4230 | 60 | 4330 | |
| 60 | | | | | | | 37 | 3200 | 49 | 3350 | 56.5 | 3450 | |
| 65 | | | | | | | 30 | 2470 | 44.5 | 2630 | 53.5 | 2730 | |
| 70 | | | | | | | 21 | 1850 | 40 | 2020 | 50 | 2120 | |
| 75 | | | | | | | | | 34.5 | 1500 | 46 | 1600 | |
| 80 | | | | | | | | | 28 | 1050 | 42 | 1150 | |
| 85 | | | | | | | | | | | | | |
| | 1150 LBS | 780 LBS | 600 LBS | 490 LBS | 420 LBS | 360 LBS | STOWED JIB | | | | | | |
| | 2940 LBS | 2650 LBS | 2510 LBS | 2420 LBS | 2360 LBS | 2320 LBS | ERECTED JIB (RETRACTED) | | | | | | |
| | 3320 LBS | 2910 LBS | 2710 LBS | 2580 LBS | 2500 LBS | 2430 LBS | ERECTED JIB (EXTENDED) | | | | | | |

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



MAIN BOOM LIFTING CAPACITIES

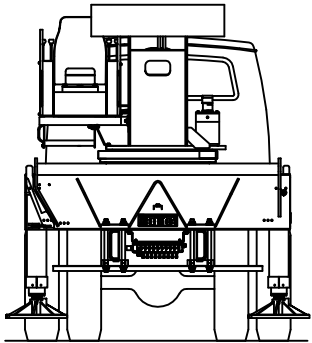
| LMI CODE 5 | | | | | | | | | | | | | |
|------------------|-------------------------|----------------------|-------------------------|----------------------|-------------------------|----------------------|-------------------------|----------------------|-------------------------|----------------------|-------------------------|----------------------|------------|
| LOAD RADIUS (FT) | BOOM LENGTH 34 FT | | BOOM LENGTH 50 FT (A) | | BOOM LENGTH 65 FT (B) | | BOOM LENGTH 80 FT (C) | | BOOM LENGTH 95 FT (D) | | BOOM LENGTH 110 FT (E) | | |
| | LOADED BOOM ANGLE (DEG) | 180° OVER REAR (LBS) | LOADED BOOM ANGLE (DEG) | 180° OVER REAR (LBS) | LOADED BOOM ANGLE (DEG) | 180° OVER REAR (LBS) | LOADED BOOM ANGLE (DEG) | 180° OVER REAR (LBS) | LOADED BOOM ANGLE (DEG) | 180° OVER REAR (LBS) | LOADED BOOM ANGLE (DEG) | 180° OVER REAR (LBS) | |
| 6 | 71 | 89900 | | | | | | | | | | | |
| 8 | 67.5 | 45990 | | | | | | | | | | | |
| 10 | 63.5 | 29720 | 73 | 30980 | | | | | | | | | |
| 12 | 60 | 21220 | 70.5 | 22320 | | | | | | | | | |
| 15 | 53.5 | 14060 | 67 | 15030 | 73 | 15490 | | | | | | | |
| 20 | 42 | 7920 | 60.5 | 8810 | 68.5 | 9210 | 73.5 | 9450 | | | | | |
| 25 | 26.5 | 4600 | 53.5 | 5490 | 63.5 | 5860 | 69.5 | 6090 | 73.5 | 6240 | | | |
| 30 | | | 45.5 | 3410 | 58.5 | 3780 | 65.5 | 4000 | 70.5 | 4140 | 74 | 4240 | |
| 35 | | | 36.5 | 1990 | 53 | 2360 | 61.5 | 2570 | 67.5 | 2710 | 71.5 | 2800 | |
| 40 | | | 25 | 930 | 47 | 1320 | 57.5 | 1530 | 64 | 1660 | 69 | 1760 | |
| 45 | | | | | | | | | | | | | |
| | | 1150 LBS | 780 LBS | | 600 LBS | | 490 LBS | | 420 LBS | | 360 LBS | | STOWED JIB |

DEDUCTIONS FOR JIB FROM MAIN BOOM CAPACITIES

WARNINGS

1. THE JIB MUST BE IN THE STOWED POSITION, IF SO EQUIPPED, WHEN USING THIS OUTRIGGER CONFIGURATION.

**USE THIS CHART
WHEN PICKING
LOADS ON TIRES**



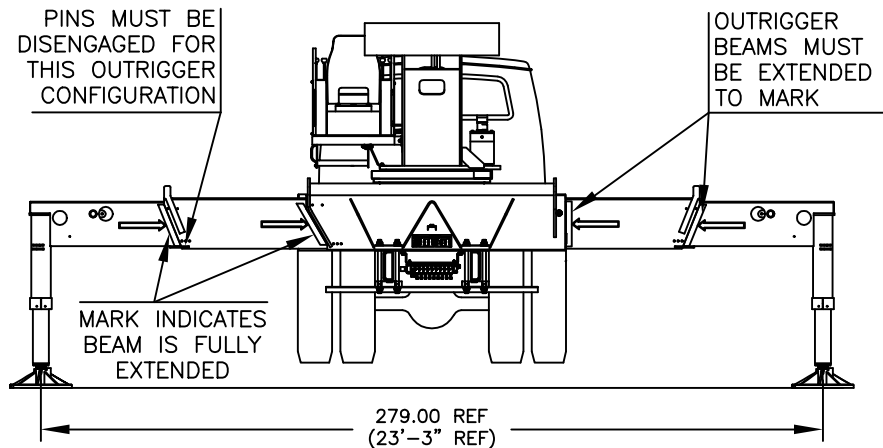
ON TIRE CAPACITIES

WARNINGS

| LMI CODE 6 | | | |
|------------------|----------------------|-------------------------------|----------------------------|
| LOAD RADIUS (FT) | MAX BOOM LENGTH (FT) | BOOM DIRECTLY OVER REAR (LBS) | STOWED JIB DEDUCTION (LBS) |
| 10 | 34 | 10000 | 1150 |
| 12 | 34 | 9000 | 1150 |
| 15 | 34 | 7600 | 1150 |
| 20 | 34 | 4650 | 1150 |
| 25 | 50 (A) | 2800 | 780 |
| 30 | 50 (A) | 1550 | 780 |

1. CRANE LOAD RATINGS ON TIRES ARE BASED ON THE CRANE BEING LEVEL AND TRAVELING ON A FIRM UNIFORM SURFACE (BLACK TOP, CONCRETE OR SIMILAR SURFACE).
2. TIRES MUST BE INFLATED TO 120 PSI FOR PICKING ON TIRES. CONSULT TRUCK MANUAL FOR PROPER INFLATION PROCEDURE.
3. THE JIB MUST BE IN THE STOWED POSITION, IF SO EQUIPPED, WHEN PICKING ON TIRES.
4. WHEN LIFTING ON TIRES, THE BOOM MUST BE CENTERED OVER THE REAR OF THE CRANE WITH THE SWING BRAKE AND THE HOUSELOCK ENGAGED.
5. KEEP THE LOAD CLOSE TO THE GROUND AND RESTRAINED FROM SWINGING.
6. WHEN THE RADIUS IS BETWEEN LISTED VALUES, USE THE SMALLER OF THE TWO LOAD RATINGS.
7. DO NOT OPERATE AT LONGER RADII THAN THOSE LISTED ON THE LOAD CHART.

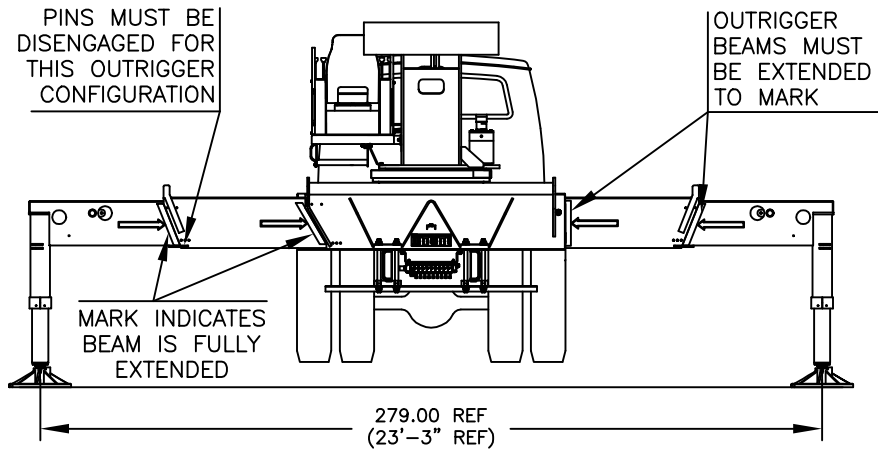
**USE THIS CHART ONLY WHEN
ALL OUTRIGGER BEAMS ARE
FULLY EXTENDED**



32 FT RETRACTED JIB LIFTING CAPACITIES

| LOAD RADIUS (FT) | LOADED BOOM ANGLE (DEG) | 0° OFFSET | | 15° OFFSET | | | 30° OFFSET | | |
|------------------|-------------------------|---------------------------|--------------------------------|-------------------------|---------------------------|---------------------------------|-------------------------|----------------------------|---------------------------------|
| | | CODE 7 OVER REAR (LBS) | CODE 8 180° OVER REAR (LBS) | LOADED BOOM ANGLE (DEG) | CODE 9 OVER REAR (LBS) | CODE 10 180° OVER REAR (LBS) | LOADED BOOM ANGLE (DEG) | CODE 11 OVER REAR (LBS) | CODE 12 180° OVER REAR (LBS) |
| 40 | 74.5 | 7300 | 7300 | | | | | | |
| 45 | 72.5 | 7300 | 7300 | | | | | | |
| 50 | 70.5 | 7300 | 7300 | 73.5 | 6500 | 6500 | | | |
| 55 | 68.5 | 6980 | 6980 | 71.5 | 6500 | 6500 | 74 | 5800 | 5800 |
| 60 | 66.5 | 6600 | 6600 | 69.5 | 6120 | 6120 | 72 | 5750 | 5750 |
| 65 | 64 | 6230 | 6230 | 67 | 5780 | 5780 | 69.5 | 5450 | 5450 |
| 70 | 62 | 5870 | 5870 | 65 | 5450 | 5450 | 67 | 5160 | 5160 |
| 75 | 59.5 | 5530 | 5530 | 62.5 | 5160 | 5160 | 64.5 | 4900 | 4900 |
| 80 | 57 | 5110 | 4850 | 60 | 4880 | 4880 | 62 | 4670 | 4670 |
| 85 | 54.5 | 4690 | 4190 | 57.5 | 4630 | 4520 | 59.5 | 4450 | 4450 |
| 90 | 52 | 4280 | 3610 | 54.5 | 4400 | 3910 | 56.5 | 4250 | 4140 |
| 95 | 49 | 3920 | 3100 | 51.5 | 4070 | 3360 | 53.5 | 4070 | 3560 |
| 100 | 46 | 3570 | 2650 | 48.5 | 3700 | 2880 | 50.5 | 3820 | 3050 |
| 105 | 43 | 3250 | 2240 | 45.5 | 3370 | 2450 | 47 | 3480 | 2590 |
| 110 | 39.5 | 2950 | 1880 | 42 | 3050 | 2060 | 43.5 | 3140 | 2170 |
| 115 | 35.5 | 2670 | 1550 | 38 | 2770 | 1700 | 39 | 2830 | 1790 |
| 120 | 31.5 | 2420 | 1250 | 34 | 2500 | 1370 | 34.5 | 2540 | 1430 |
| 125 | 26.5 | 2180 | 980 | 29 | 2240 | 1070 | 29 | 2260 | 1090 |
| 130 | 20.5 | 1960 | | 22 | 2000 | 780 | 20 | 1970 | 760 |
| 135 | 10 | 1760 | | | | | | | |
| 140 | | | | | | | | | |

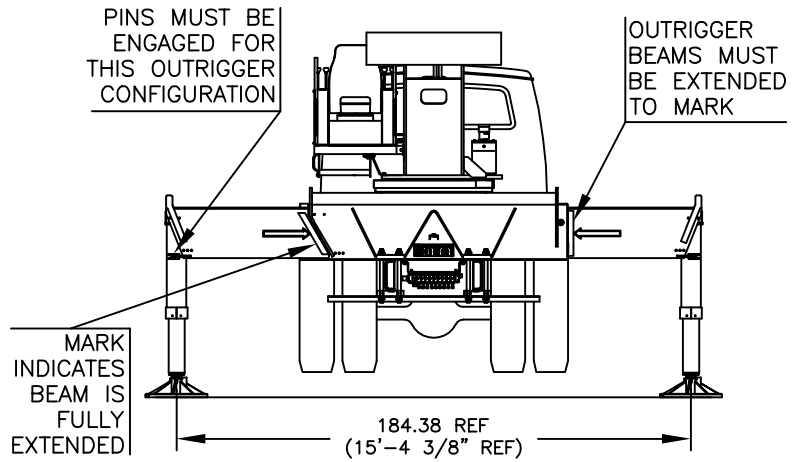
**USE THIS CHART ONLY WHEN
ALL OUTRIGGER BEAMS ARE
FULLY EXTENDED**



49 FT EXTENDED JIB LIFTING CAPACITIES

| LOAD RADIUS (FT) | 0° OFFSET | | | 15° OFFSET | | | 30° OFFSET | | |
|------------------|-------------------------|-----------------|----------------------|-------------------------|-----------------|----------------------|-------------------------|-----------------|----------------------|
| | LOADED BOOM ANGLE (DEG) | CODE 13 | CODE 14 | LOADED BOOM ANGLE (DEG) | CODE 15 | CODE 16 | LOADED BOOM ANGLE (DEG) | CODE 17 | CODE 18 |
| | | OVER REAR (LBS) | 180° OVER REAR (LBS) | | OVER REAR (LBS) | 180° OVER REAR (LBS) | | OVER REAR (LBS) | 180° OVER REAR (LBS) |
| 45 | 75 | 5400 | 5400 | | | | | | |
| 50 | 73.5 | 5400 | 5400 | | | | | | |
| 55 | 71.5 | 5400 | 5400 | 75 | 4700 | 4700 | | | |
| 60 | 69.5 | 5400 | 5400 | 73.5 | 4480 | 4480 | | | |
| 65 | 68 | 5230 | 5230 | 71.5 | 4280 | 4280 | 75 | 3520 | 3520 |
| 70 | 66 | 4930 | 4930 | 69.5 | 4100 | 4100 | 73.5 | 3410 | 3410 |
| 75 | 64 | 4660 | 4660 | 67.5 | 3940 | 3940 | 71 | 3310 | 3310 |
| 80 | 62 | 4410 | 4410 | 65.5 | 3790 | 3790 | 69 | 3210 | 3210 |
| 85 | 60 | 4170 | 4170 | 63.5 | 3650 | 3650 | 67 | 3130 | 3130 |
| 90 | 57.5 | 3950 | 3950 | 61.5 | 3520 | 3520 | 64.5 | 3050 | 3050 |
| 95 | 55.5 | 3750 | 3690 | 59 | 3400 | 3400 | 62 | 2980 | 2980 |
| 100 | 53 | 3560 | 3230 | 57 | 3290 | 3290 | 59.5 | 2910 | 2910 |
| 105 | 50.5 | 3380 | 2820 | 54.5 | 3190 | 3170 | 57 | 2860 | 2860 |
| 110 | 48 | 3220 | 2460 | 52 | 3050 | 2770 | 54.5 | 2810 | 2810 |
| 115 | 45.5 | 2980 | 2120 | 49 | 2920 | 2400 | 51.5 | 2760 | 2620 |
| 120 | 42.5 | 2730 | 1820 | 46 | 2800 | 2070 | 48.5 | 2730 | 2250 |
| 125 | 39.5 | 2500 | 1540 | 43 | 2640 | 1760 | 45 | 2650 | 1910 |
| 130 | 36 | 2290 | 1290 | 39.5 | 2410 | 1480 | 41 | 2480 | 1600 |
| 135 | 32 | 2090 | 1060 | 35.5 | 2190 | 1220 | 36.5 | 2240 | 1300 |
| 140 | 28 | 1890 | 840 | 31 | 1970 | 970 | 31 | 2000 | 1010 |
| 145 | 22.5 | 1720 | | 25 | 1770 | | | | |
| 150 | 15 | 1550 | | 15.5 | 1570 | | | | |
| 155 | | | | | | | | | |

**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 19 180° OVER REAR (LBS) | LOADED BOOM ANGLE (DEG) | CODE 20 180° OVER REAR (LBS) | LOADED BOOM ANGLE (DEG) | CODE 21 180° OVER REAR (LBS) |
| 40 | 74.5 | 7300 | | | | |
| 45 | 72.5 | 6730 | | | | |
| 50 | 70.5 | 5330 | 73.5 | 6000 | | |
| 55 | 68.5 | 4230 | 71.5 | 4810 | 74 | 5320 |
| 60 | 66.5 | 3340 | 69.5 | 3850 | 72 | 4300 |
| 65 | 64 | 2600 | 67 | 3060 | 69.5 | 3450 |
| 70 | 62 | 1980 | 65 | 2390 | 67 | 2730 |
| 75 | 59.5 | 1450 | 62.5 | 1820 | 64.5 | 2120 |
| 80 | 57 | 1000 | 60 | 1330 | 62 | 1590 |
| 85 | | | 57.5 | 900 | 59.5 | 1130 |
| 90 | | | | | | |

49 FT EXTENDED JIB LIFTING CAPACITIES

| LOAD RADIUS (FT) | 0° OFFSET | | 15° OFFSET | | 30° OFFSET | |
|------------------|-------------------------|------------------------------|-------------------------|------------------------------|-------------------------|------------------------------|
| | LOADED BOOM ANGLE (DEG) | CODE 22 180° OVER REAR (LBS) | LOADED BOOM ANGLE (DEG) | CODE 23 180° OVER REAR (LBS) | LOADED BOOM ANGLE (DEG) | CODE 24 180° OVER REAR (LBS) |
| 45 | 75 | 5400 | | | | |
| 50 | 73.5 | 5400 | | | | |
| 55 | 71.5 | 4870 | 75 | 4700 | | |
| 60 | 69.5 | 3970 | 73.5 | 4480 | | |
| 65 | 68 | 3220 | 71.5 | 3900 | 75 | 3520 |
| 70 | 66 | 2590 | 69.5 | 3210 | 73.5 | 3410 |
| 75 | 64 | 2060 | 67.5 | 2620 | 71 | 3100 |
| 80 | 62 | 1600 | 65.5 | 2100 | 69 | 2540 |
| 85 | 60 | 1200 | 63.5 | 1660 | 67 | 2050 |
| 90 | 57.5 | 850 | 61.5 | 1260 | 64.5 | 1610 |
| 95 | | | 59 | 910 | 62 | 1220 |
| 100 | | | | | 59.5 | 880 |
| 105 | | | | | | |