



Load Rating Chart

Model 2892S

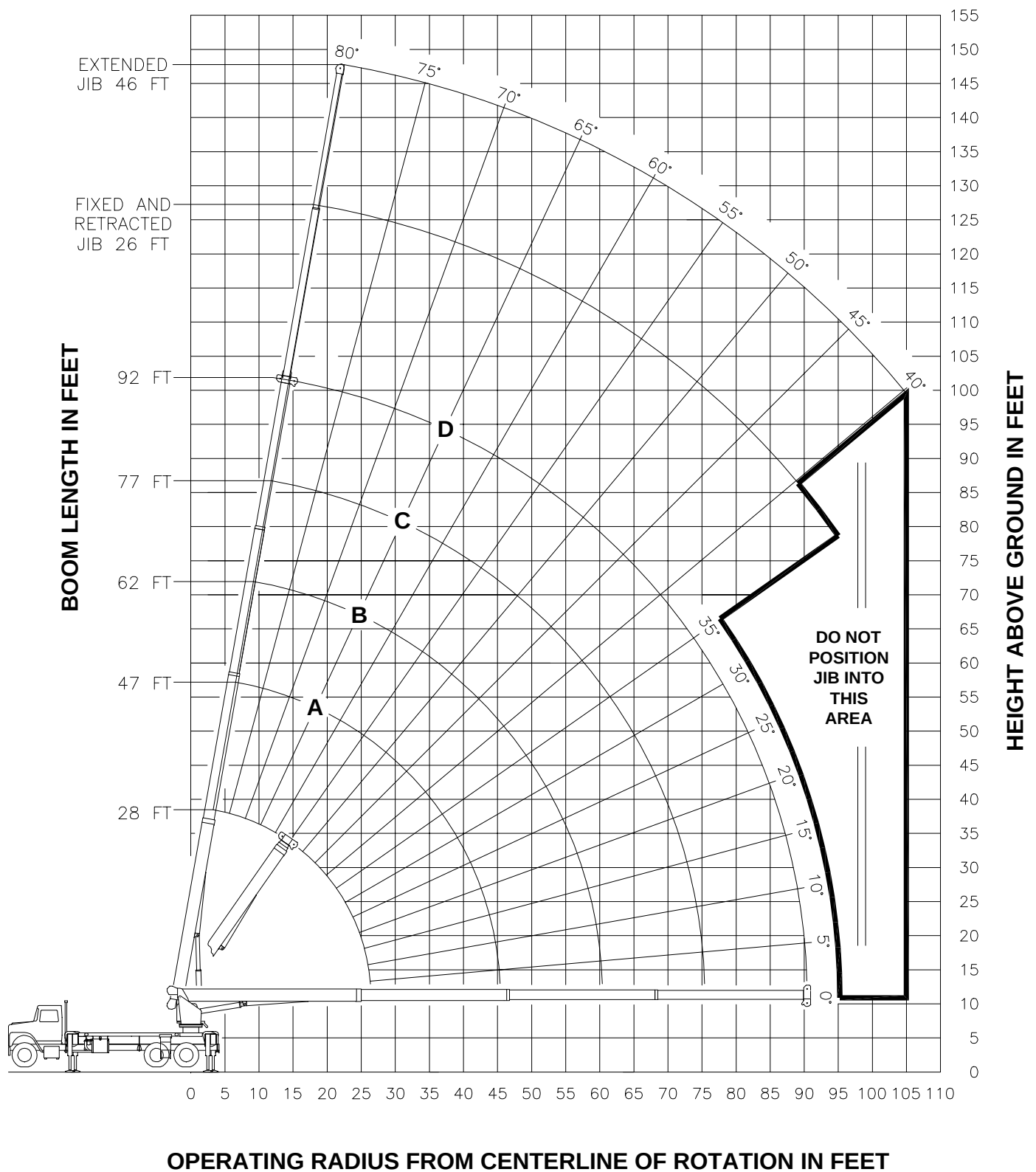


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NOTE: Additional copies of this Load Rating Chart can be purchased from your Manitex Distributor. When ordering, use the part number shown in the bottom left corner of this page.

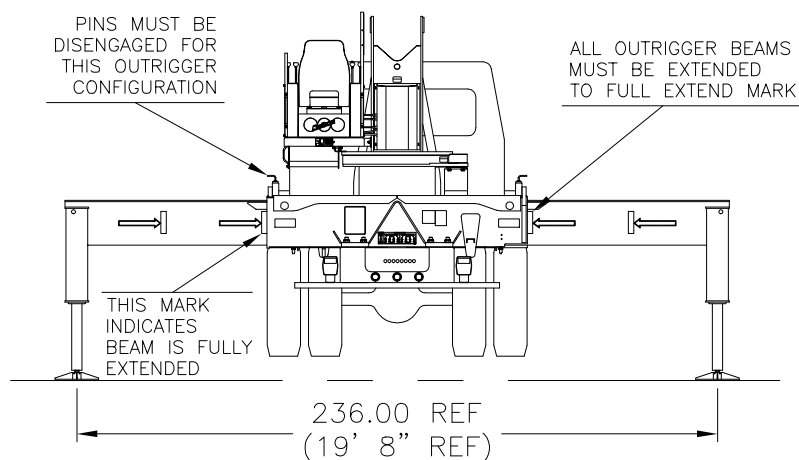


RANGE DIAGRAM - FULLY EXTENDED OUTRIGGER CONFIGURATION -





**USE THIS CHART ONLY
WHEN ALL OUTRIGGERS
ARE FULLY EXTENDED**

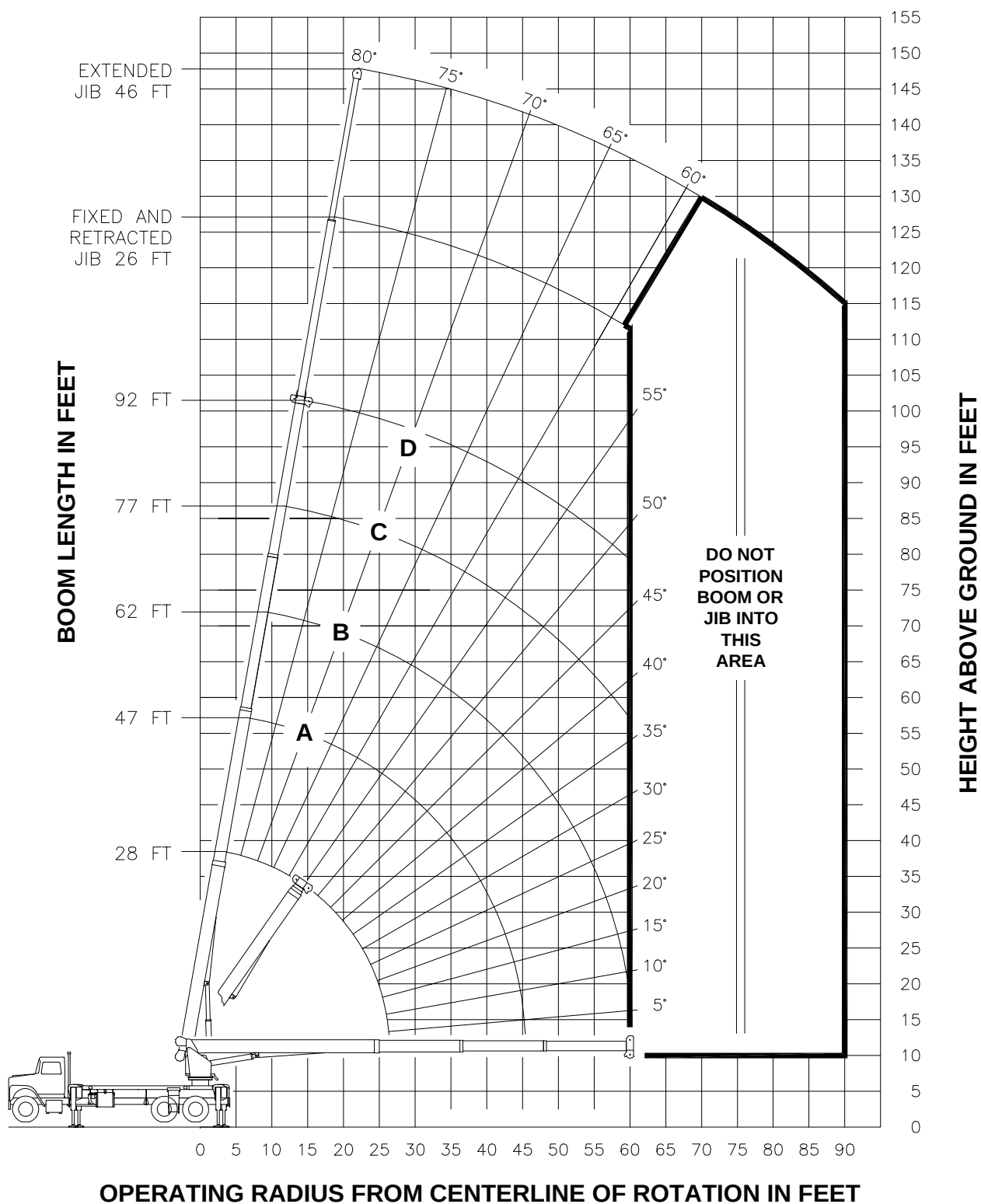


- FULLY EXTENDED OUTRIGGER CONFIGURATION -

MAIN BOOM LOAD RATINGS IN LBS WITH OUTRIGGERS PLACED AS SHOWN AND THE CRANE LEVEL										JIB LOAD RATINGS IN LBS WITH OUTRIGGERS PLACED AS SHOWN AND THE CRANE LEVEL					
LMI CODE #1										FIXED JIB		TELESCOPIC JIB			
OPERATING RADIUS FT	LOADED BOOM ANGLE BOOM LENGTH AND MARKER			LMI CODE #2						LMI CODE #3		LMI CODE #4			
				BOOM LOADED ANG		JIB LENGTH FOR ALL BOOM LENGTHS SEE WARNING NOTE 4		BOOM LOADED ANG		JIB LENGTH FOR ALL BOOM LENGTHS SEE WARNING NOTE 4		BOOM LOADED ANG		JIB LENGTH FOR ALL BOOM LENGTHS SEE WARNING NOTE 4	
	28 FT	47 FT	62 FT	77 FT	92 FT										
5	79 56000														
8	73 40670														
10	69 34520	78 22500													
12	64 30130	76 22500	80 22500												
15	57 23660	72 22310	77 20960	80 15920											
20	43 16950	65 17280	72 16920	77 13540	79 10700										
25	22 12820	58 13210	67 13310	73 11710	76 9290										
30		50 10460	62 10570	69 10160	73 8330										
35		41 8470	57 8580	65 8640	70 7320										
40		30 6910	51 7030	60 7090	66 6460										
45		11 5700	44 5850	56 5910	63 5730										
50			36 4880	51 4960	59 5010										
55			27 4000	46 4090	55 4140										
60			10 3290	40 3400	51 3450										
65				33 2820	47 2880										
70				24 2340	42 2400										
75				9 1930	37 2000										
80					31 1650										
85					23 1340										
90					9 1070										
95															
100															
105															
	460 LBS	270 LBS	210 LBS	170 LBS	140 LBS	DEDUCTIONS FOR STOWED FIXED JIB									
	690 LBS	410 LBS	310 LBS	250 LBS	210 LBS	DEDUCTIONS FOR STOWED TELESCOPIC JIB									



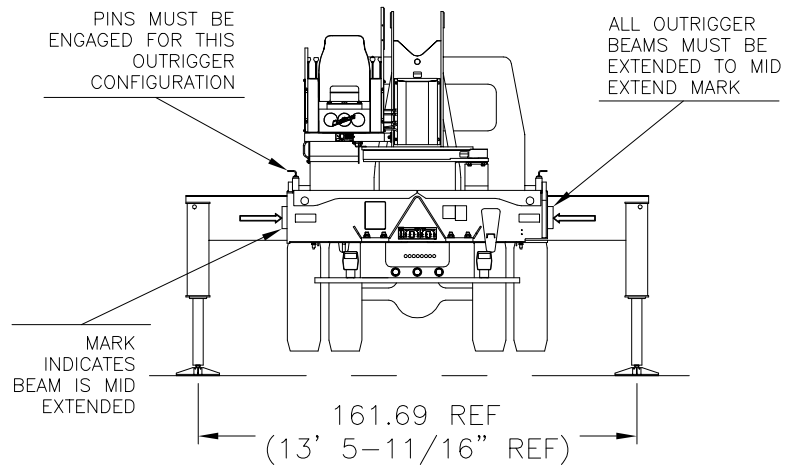
RANGE DIAGRAM - INTERMEDIATE OUTRIGGER CONFIGURATION - (MID EXTEND)



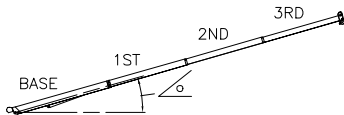
NOTE : LIFTING PERSONNEL WITH CRANE IN THIS OUTRIGGER CONFIGURATION IS STRICTLY PROHIBITED. USE ONLY FULLY EXTENDED OUTRIGGER CONFIGURATION WHEN LIFTING PERSONNEL.



**USE THIS CHART ONLY WHEN
ALL OUTRIGGERS ARE IN THE
INTERMEDIATE POSITION**

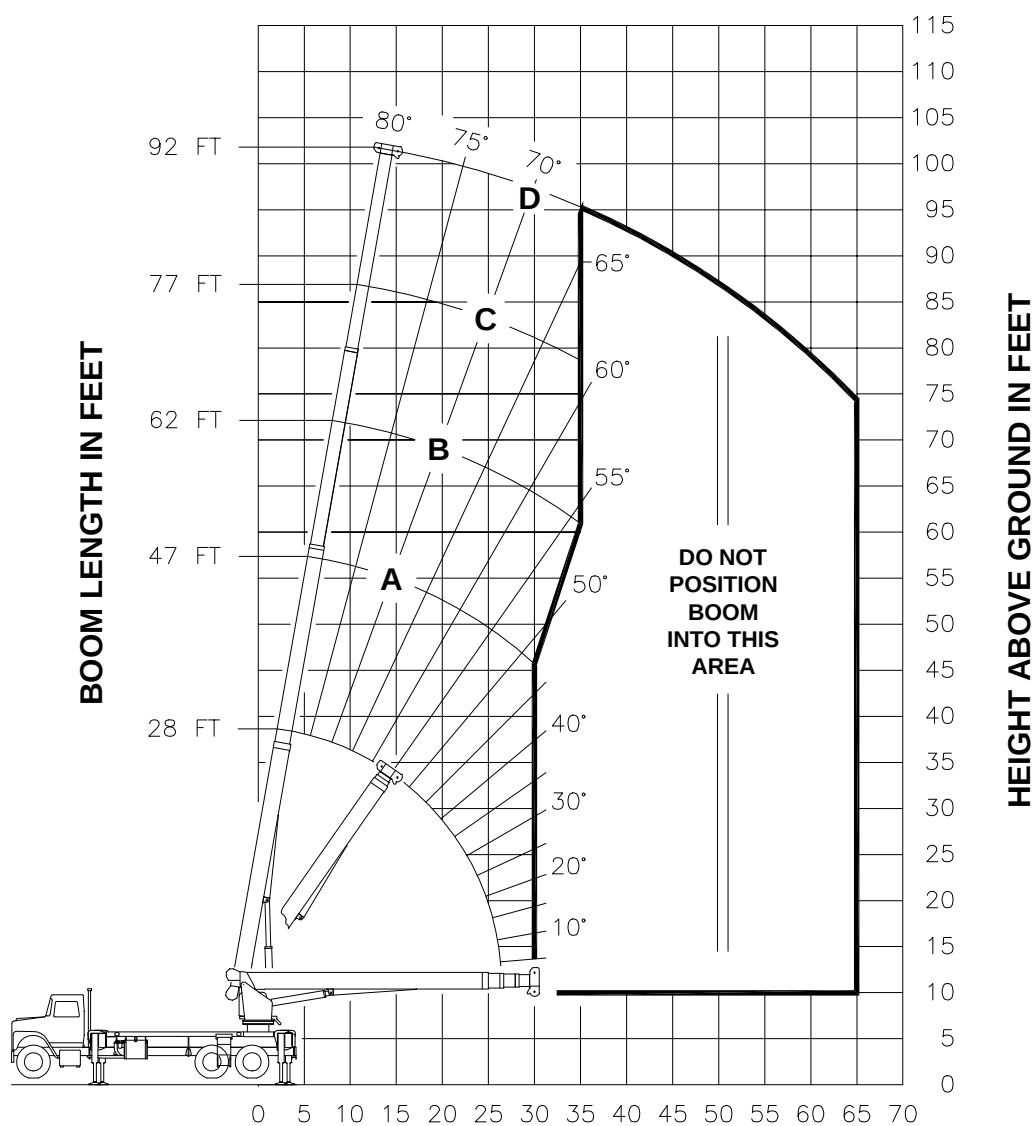


- INTERMEDIATE OUTRIGGER CONFIGURATION - (MID EXTEND)

MAIN BOOM LOAD RATINGS IN LBS WITH OUTRIGGERS PLACED AS SHOWN AND THE CRANE LEVEL											JIB LOAD RATINGS IN LBS WITH OUTRIGGERS PLACED AS SHOWN AND THE CRANE LEVEL						
LMI CODE #9											FIXED JIB		TELESCOPIC JIB				
OPERATING RADIUS FT	LOADED BOOM ANGLE BOOM LENGTH AND MARKER										OPERATING RADIUS FT	LMI CODE #10		LMI CODE #11		LMI CODE #12	
			A		B		C		D			LOADED BOOM ANG	JIB LENGTH FOR ALL BOOM LENGTHS SEE WARNING NOTE 4	LOADED BOOM ANG	JIB LENGTH FOR ALL BOOM LENGTHS SEE WARNING NOTE 4	LOADED BOOM ANG	JIB LENGTH FOR ALL BOOM LENGTHS SEE WARNING NOTE 4
	28 FT	47 FT	62 FT	77 FT	92 FT	26 FT	26 FT	46 FT									
5	79	56000															
8	73	40670															
10	69	34520	78	22500							10						
12	64	30130	76	22500	80	22500					12						
15	57	21360	72	21880	77	20960	80	15920			15						
20	43	12010	65	12460	72	12610	77	12700	79	10700	20						
25	22	7730	58	8200	67	8330	73	8410	76	8460	25	79	5600	79	5400		
30			50	5760	62	5890	69	5960	73	6010	30	77	5300	77	5100	79	
35			41	4180	57	4310	65	4380	70	4430	35	75	4530	75	4230	77	
40			30	3070	51	3210	60	3280	66	3320	40	72	3410	72	3110	76	
45			11	2220	44	2390	56	2460	63	2500	45	70	2590	70	2280	74	
50					36	1750	51	1830	59	1870	50	67	1950	67	1650	72	
55					27	1250	46	1330	55	1370	55	65	1450	65	1140	69	
60					10	820	40	920	51	960	60	62	1040	62	740	67	
65											65	59	700			65	
70											70					63	
											DEDUCTIONS FOR STOWED FIXED JIB						
	460 LBS		270 LBS		210 LBS		170 LBS		140 LBS		DEDUCTIONS FOR STOWED TELESCOPIC JIB						
	690 LBS		410 LBS		310 LBS		250 LBS		210 LBS								



RANGE DIAGRAM - FULLY RETRACTED OUTRIGGER CONFIGURATION -



OPERATING RADIUS FROM CENTERLINE OF ROTATION IN FEET

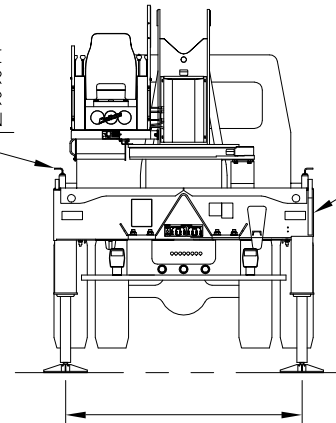
NOTE : LIFTING PERSONNEL WITH CRANE IN THIS OUTRIGGER CONFIGURATION IS STRICTLY PROHIBITED. USE ONLY FULLY EXTENDED OUTRIGGER CONFIGURATION WHEN LIFTING PERSONNEL.



**USE THIS CHART
ONLY WHEN ALL
OUTRIGGERS ARE
FULLY RETRACTED**

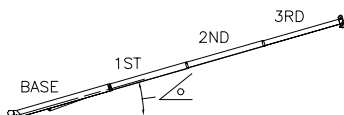
PINS MUST BE
DISENGAGED FOR
THIS OUTRIGGER
CONFIGURATION

ALL OUTRIGGER
BEAMS FULLY
RETRACTED



87.38 REF
(7' 3-3/8" REF)

- FULLY RETRACTED OUTRIGGER CONFIGURATION -

MAIN BOOM LOAD RATINGS IN LBS WITH OUTRIGGERS PLACED AS SHOWN AND THE CRANE LEVEL										
LMI CODE #13										
OPERATING RADIUS FT	LOADED BOOM ANGLE BOOM LENGTH AND MARKER									
			A		B		C		D	
			°	28 FT	°	47 FT	°	62 FT	°	77 FT
5	79	56000								
8	73	23040								
10	69	14740	78	15170						
12	64	10410	76	10800	80	10940				
15	57	6760	72	7130	77	7260	80	7330		
20	43	3640	65	4000	72	4120	77	4190	79	4230
25	22	1940	58	2340	67	2450	73	2510	76	2550
30			50	1300	62	1410	69	1470	73	1510
35					57	700	65	760	70	800
			460 LBS		270 LBS		210 LBS		170 LBS	
			690 LBS		410 LBS		310 LBS		250 LBS	

NO JIBS ARE TO
BE ERECTED IN
THIS
OUTRIGGER
CONFIGURATION

DEDUCTIONS FOR STOWED FIXED JIB
DEDUCTIONS FOR STOWED TELESCOPIC JIB

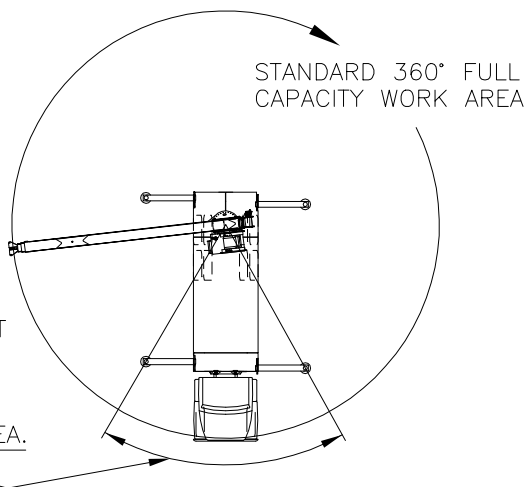
**NO JIBS ARE TO
BE ERCTED IN
THIS
OUTRIGGER
CONFIGURATION**



WARNING

WARNING:

STANDARD 360° FULL
CAPACITY WORK AREA

[illegible]

**LMI OPERATING CODES**

SETTING	CRANE CONFIGURATION	OUTRIGGER CONFIGURATION
#1—	MAIN BOOM — — — — —	FULLY EXTENDED
#2—	FIXED JIB — — — — —	FULLY EXTENDED
#3—	TELESCOPIC JIB—RETRACTED — — — — —	FULLY EXTENDED
#4—	TELESCOPIC JIB—EXTENDED — — — — —	FULLY EXTENDED
#5—	PERSONNEL LIFTING PLATFORM ON MAIN BOOM — — — — —	FULLY EXTENDED
#6—	PERSONNEL LIFTING PLATFORM ON FIXED JIB — — — — —	FULLY EXTENDED
#7—	PERSONNEL LIFTING PLATFORM ON TELESCOPIC JIB—RETRACTED — —	FULLY EXTENDED
#8—	PERSONNEL LIFTING PLATFORM ON TELESCOPIC JIB—EXTENDED — — —	FULLY EXTENDED
#9—	MAIN BOOM — — — — —	INTERMEDIATE
#10—	FIXED JIB — — — — —	INTERMEDIATE
#11—	TELESCOPIC JIB—RETRACTED — — — — —	INTERMEDIATE
#12—	TELESCOPIC JIB—EXTENDED — — — — —	INTERMEDIATE
#13—	MAIN BOOM — — — — —	FULLY RETRACTED

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.
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.



WARNING (CONTINUED)

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 TELESOPED 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.
10. LIFTING OFF THE MAIN BOOM POINT WHILE THE SWING AROUND JIB IS ERECTED IS NOT INTENDED OR APPROVED.

INFORMATION

1. DEDUCTIONS MUST BE MADE FROM RATED LOADS FOR STOWED 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 AS SHOWN IN THE COLUMN HEADED BY $\angle$, IS THE INCLUDED ANGLE BETWEEN THE HORIZONTAL AND LONGITUDINAL AXES OF THE BOOM BASE AFTER LIFTING RATED LOAD AT RATED RADIUS.