



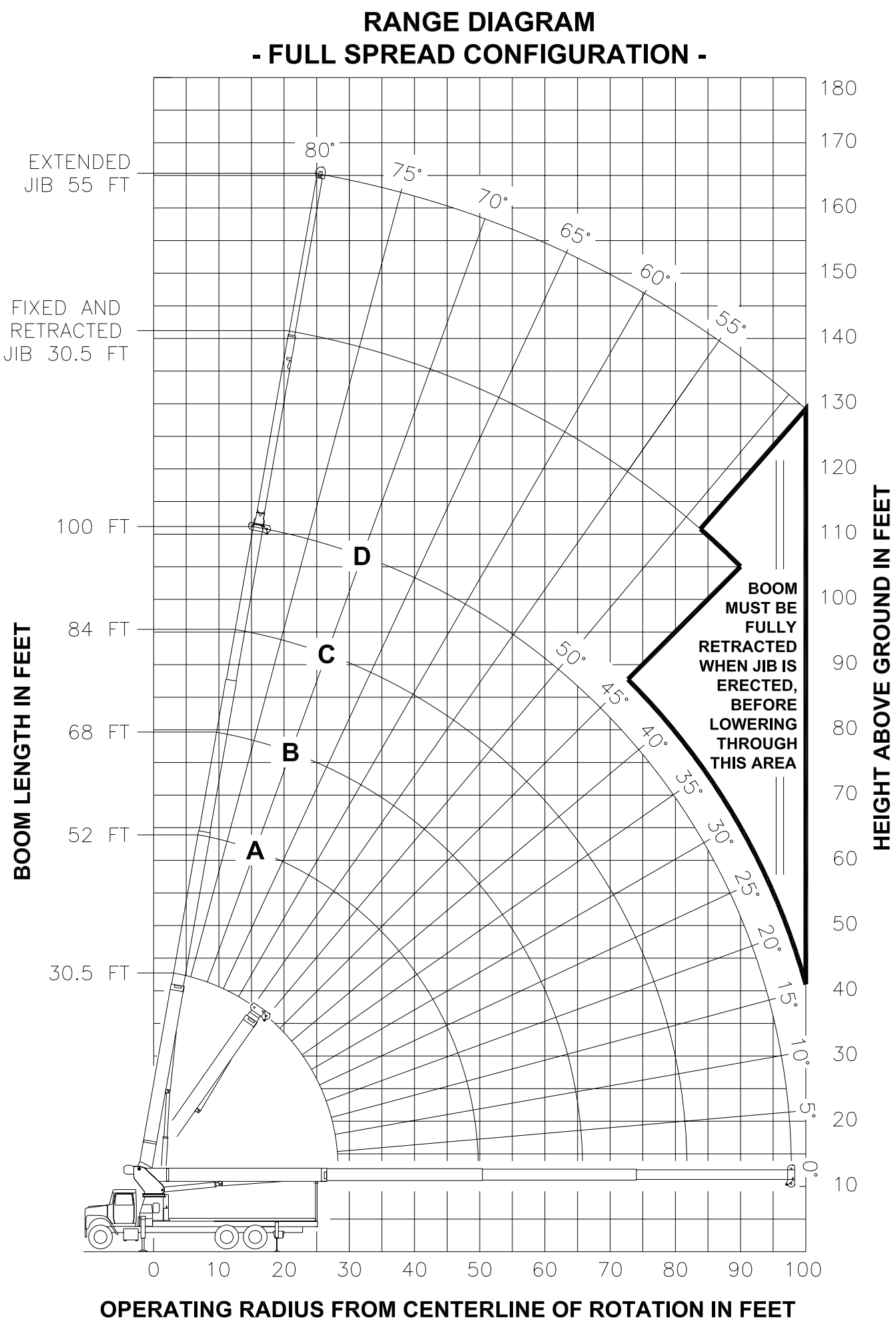
Load Rating Chart

Model 30100C & 30100T

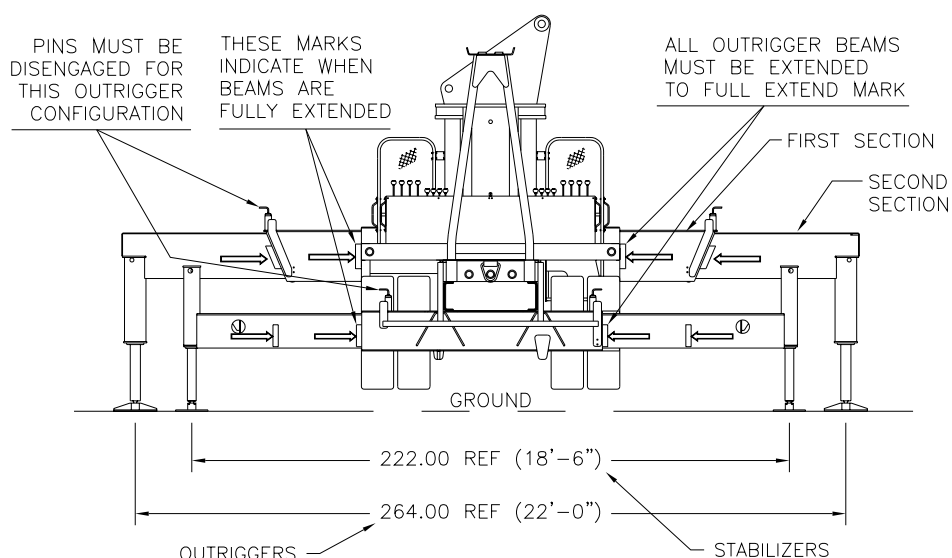


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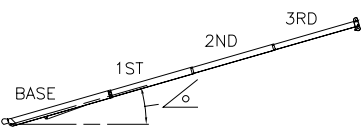
NOTE: Additional copies of this Load Rating Chart can be purchased from your Manitex Distributor. When ordering, use the part number shown in the bottom left corner of this page.

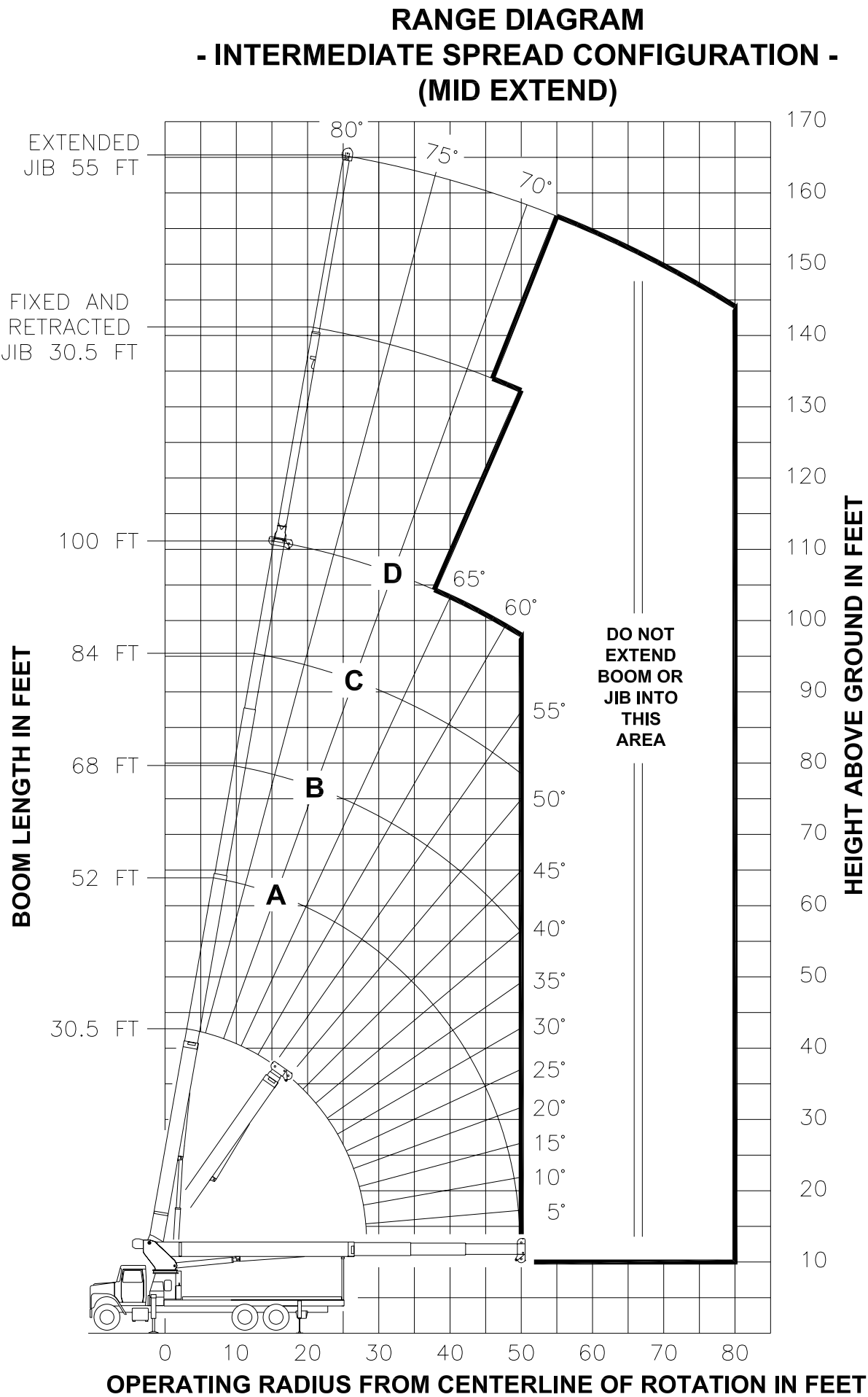


**USE THIS CHART ONLY
WHEN OUTRIGGERS
AND STABILIZERS ARE
FULLY EXTENDED**



- FULL SPREAD CONFIGURATION -

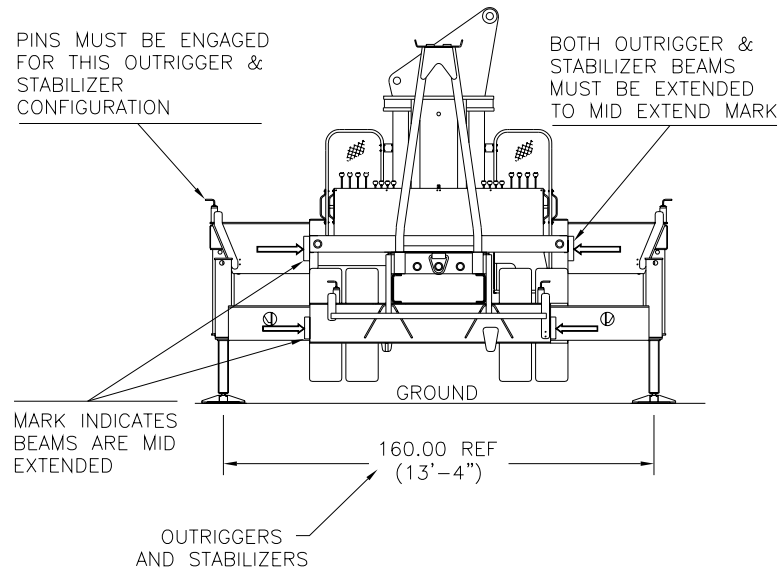
MAIN BOOM LOAD RATINGS IN LBS										JIB LOAD RATINGS IN LBS						
LMI CODE #1										OPERATING RADIUS FT	FIXED JIB		TELESCOPIC JIB			
											LMI CODE #2		LMI CODE #3		LMI CODE #4	
LOADED BOOM ANGLE BOOM LENGTH AND MARKER 											BOOM LOAD ANG	JIB LENGTH FOR ALL BOOM LENGTHS SEE WARNING NOTE 4	BOOM LOAD ANG	JIB LENGTH FOR ALL BOOM LENGTHS SEE WARNING NOTE 4	BOOM LOAD ANG	JIB LENGTH FOR ALL BOOM LENGTHS SEE WARNING NOTE 4
°	30.5FT	°	52 FT	°	68FT	°	84 FT	°	100 FT		°	30.5FT	°	30.5 FT	°	55 FT
5.5	80	60000														
8	75	45200														
10	71	38700								10						
12	67	33800	78	27100						12						
15	61	28600	74	25200	79	23300				15						
20	48	22500	68	19800	74	18320	78	17040	80	14000	20					
25	32	16970	62	16220	70	14940	74	13940	78	12260	25					
30			55	13660	65	12580	71	11650	75	10680	30	79	6700	79	6400	
35			48	11140	60	10850	67	10050	72	9280	35	76	6200	76	5850	
40			39	8650	55	8790	63	8700	69	8110	40	74	5630	74	5250	
45			28	6750	49	6910	59	7030	65	7080	45	72	5060	72	4670	
50					43	5500	55	5630	62	5700	50	70	4560	70	4160	
55					36	4400	50	4530	59	4610	55	67	4130	67	3710	
60					27	3530	46	3650	55	3740	60	65	3730	65	3300	
65					12	2790	40	2950	51	3030	65	63	3300	63	2860	
70							34	2350	47	2440	70	60	2710	60	2300	
75							27	1850	43	1940	75	57	2200	57	1800	
80							15	1410	38	1510	80	55	1760	55	1370	
85									33	1130	85	52	1390	52	990	
90									26	800	90	49	1060	49	660	
95											95	46	770			
100											100					
	600 LBS.	350 LBS.	270 LBS.	220 LBS.	180 LBS.						DEDUCTIONS FOR STOWED FIXED JIB					
	900 LBS.	530 LBS.	400 LBS.	330 LBS.	290 LBS.						DEDUCTIONS FOR STOWED TELESCOPIC JIB					



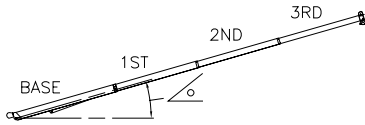
NOTE : LIFTING PERSONNEL WITH CRANE IN THIS OUTRIGGER CONFIGURATION IS STRICTLY PROHIBITED. USE ONLY FULLY EXTENDED OUTRIGGER CONFIGURATION WHEN LIFTING PERSONNEL.



**USE THIS CHART ONLY
WHEN FRONT
OUTRIGGERS AND REAR
STABILIZERS ARE IN THE
INTERMEDIATE POSITION**



**- INTERMEDIATE SPREAD CONFIGURATION -
(MID EXTEND)**

MAIN BOOM LOAD RATINGS IN LBS										JIB LOAD RATINGS IN LBS							
LMI CODE #9										FIXED JIB		TELESCOPIC JIB					
OPERATING RADIUS FT	LOADED BOOM ANGLE BOOM LENGTH AND MARKER										LMI CODE #10		LMI CODE #11		LMI CODE #12		
			A		B		C		D		BOOM LOAD ANG	JIB LENGTH FOR ALL BOOM LENGTHS SEE WARNING NOTE 4	BOOM LOAD ANG	JIB LENGTH FOR ALL BOOM LENGTHS SEE WARNING NOTE 4	BOOM LOAD ANG	JIB LENGTH FOR ALL BOOM LENGTHS SEE WARNING NOTE 4	
			°	30.5FT	°	52 FT	°	68FT	°	84 FT							°
5.5	80	60000															
8	75	45200															
10	71	38700															
12	67	33800	78	27100													
15	61	21900	74	22640	79	22880											
20	48	11910	68	12530	74	12730	78	12860	80	12940							
25	32	7360	62	7940	70	8120	74	8230	78	8300							
30			55	5310	65	5480	71	5580	75	5650	30	79	5830	79	5410		
35			48	3610	60	3770	67	3870	72	3930	35	76	4110	76	3680	80	4000
40			39	2420	55	2580	63	2670	69	2730	40	74	2900	74	2470	78	3210
45			28	1540	49	1690	59	1780	65	1840	45	72	2000	72	1580	76	2300
50					43	1010	55	1100	62	1160	50	70	1320	70	890	74	1600
55											55					72	1040
	600 LBS.		350 LBS.		270 LBS.		220 LBS.		180 LBS.		DEDUCTIONS FOR STOWED FIXED JIB						
	900 LBS.		530 LBS.		400 LBS.		330 LBS.		290 LBS.		DEDUCTIONS FOR STOWED TELESCOPIC JIB						



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

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 TELESKOPED 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 , IS THE INCLUDED ANGLE BETWEEN THE HORIZONTAL AND LONGITUDINAL AXES OF THE BOOM BASE AFTER LIFTING RATED LOAD AT RATED RADIUS.