



Load Rating Chart

Model 30100C & 30100T

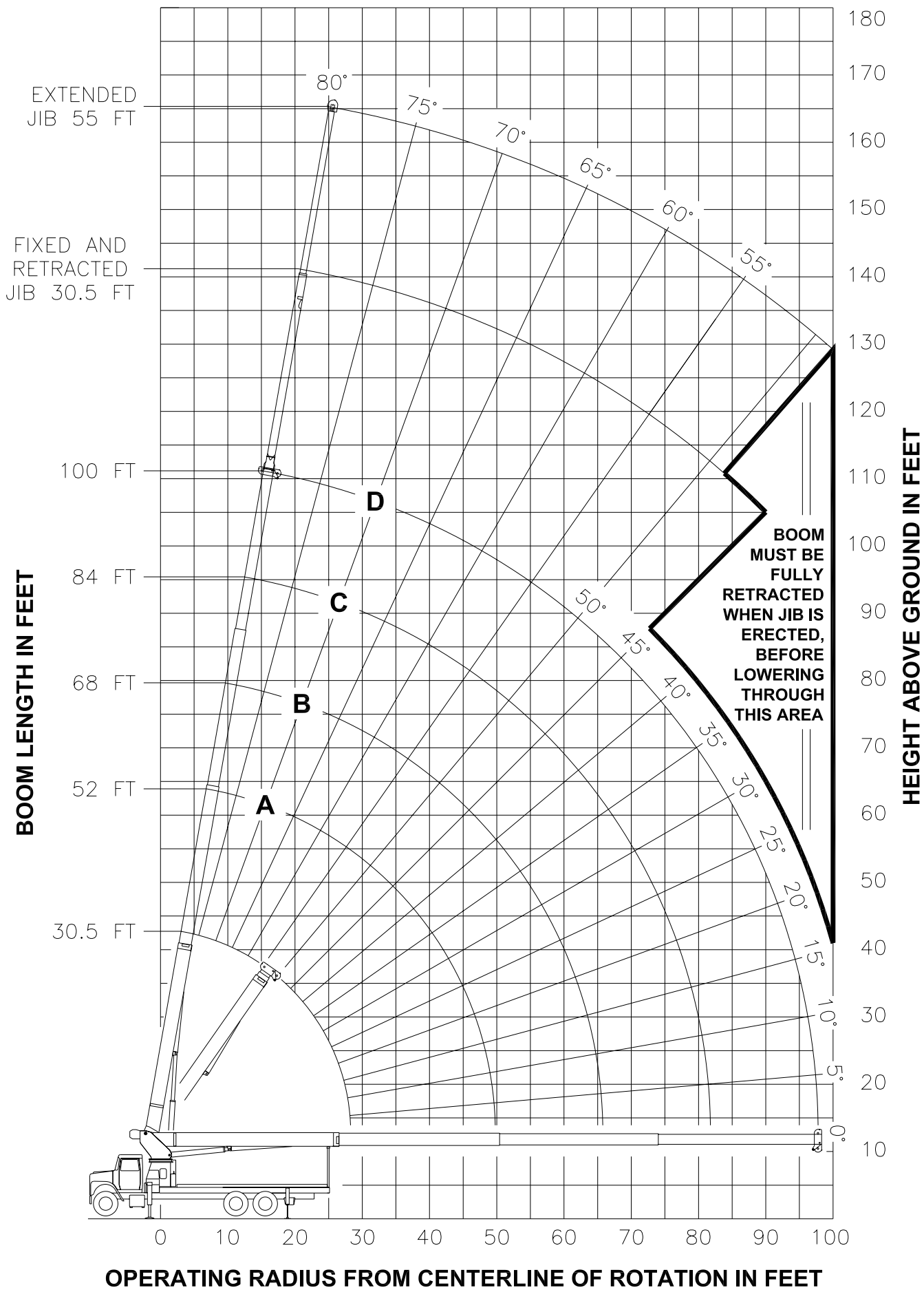


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NOTE: Additional copies of this Load Rating Chart can be purchased from your Manitex Distributor. When ordering, use the part number shown in the bottom left corner of this page.

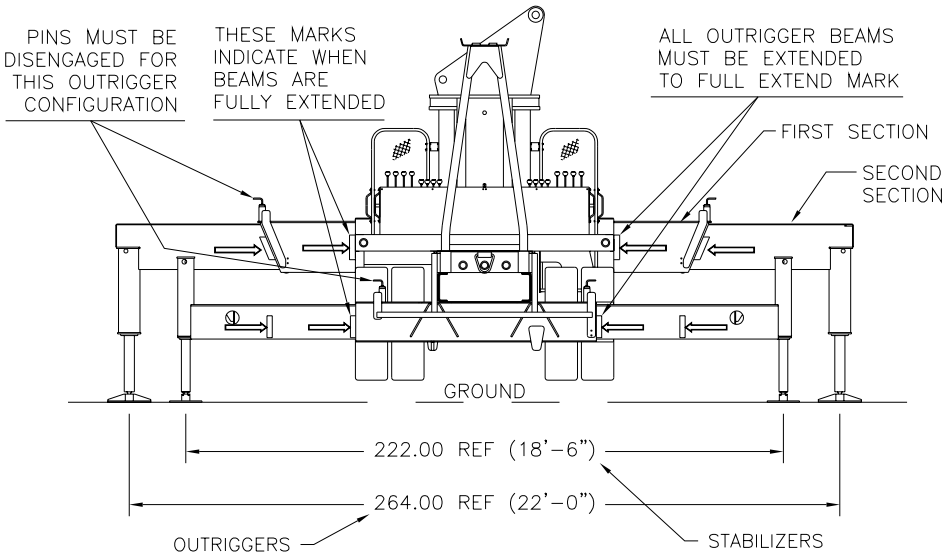


**RANGE DIAGRAM
- FULL SPREAD CONFIGURATION -**

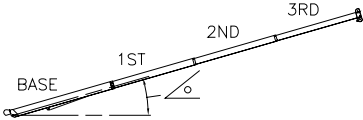


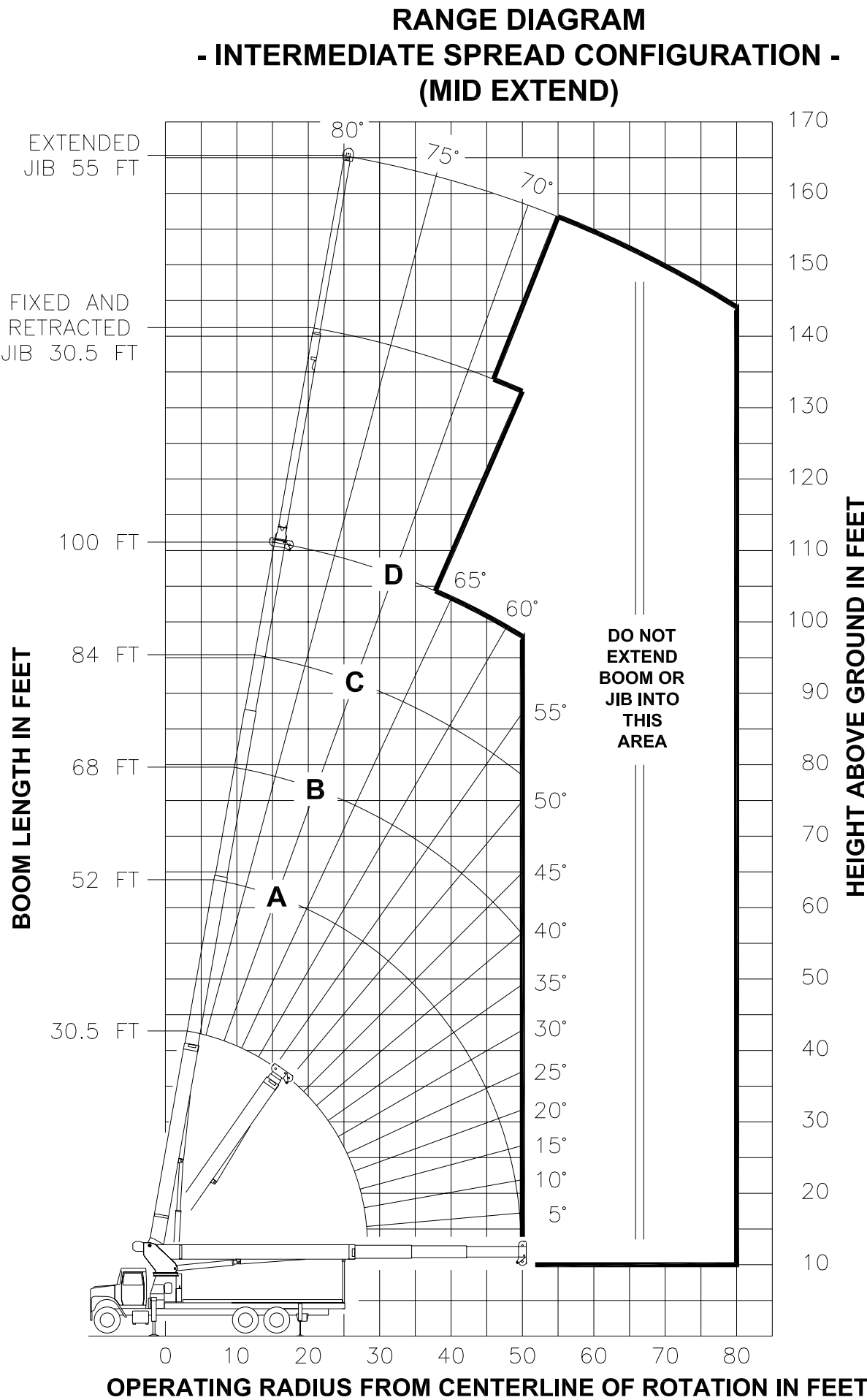


**USE THIS CHART ONLY
WHEN OUTRIGGERS
AND STABILIZERS ARE
FULLY EXTENDED**



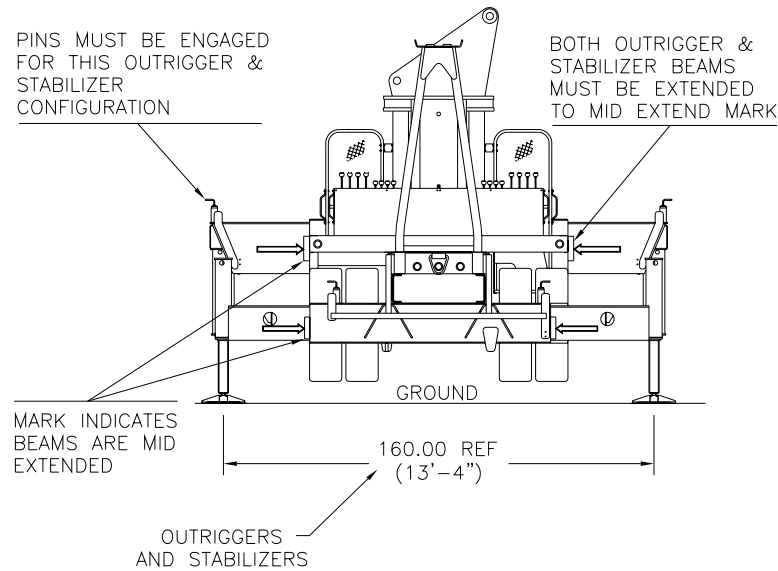
- FULL SPREAD CONFIGURATION -

MAIN BOOM LOAD RATINGS IN LBS										JIB LOAD RATINGS IN LBS						
LMI CODE #1										OPERATING RADIUS FT	FIXED JIB		TELESCOPIC JIB			
OPERATING RADIUS FT LOADED BOOM ANGLE BOOM LENGTH AND MARKER 											LMI CODE #2		LMI CODE #3		LMI CODE #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	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									10						
8	75 45200									12						
10	71 38700									15						
12	67 33800	78 27100								20						
15	61 28600	74 25200	79 23300							25						
20	48 22500	68 19800	74 18320	78 17040	80 14000					30	79 6700	79 6400				
25	32 16970	62 16220	70 14940	74 13940	78 12260					35	76 6200	76 5850	80 4000			
30		55 13660	65 12580	71 11650	75 10680					40	74 5630	74 5250	78 3850			
35		48 11140	60 10850	67 10050	72 9280					45	72 5060	72 4670	76 3700			
40		39 8650	55 8790	63 8700	69 8110					50	70 4560	70 4160	74 3550			
45		28 6750	49 6910	59 7030	65 7080					55	67 4130	67 3710	72 3310			
50			43 5500	55 5630	62 5700					60	65 3730	65 3300	70 3020			
55			36 4400	50 4530	59 4610					65	63 3300	63 2860	68 2730			
60			27 3530	46 3650	55 3740					70	60 2710	60 2300	66 2480			
65			12 2790	40 2950	51 3030					75	57 2200	57 1800	64 2240			
70					34 2350	47 2440				80	55 1760	55 1370	62 2030			
75					27 1850	43 1940				85	52 1390	52 990	60 1670			
80					15 1410	38 1510				90	49 1060	49 660	57 1340			
85						33 1130				95	46 770		55 1040			
90						26 800				100			53 780			
95																
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						

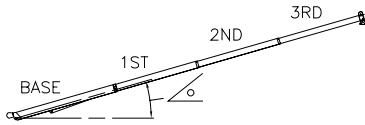




**USE THIS CHART ONLY
WHEN FRONT
OUTRIGGERS AND REAR
STABILIZERS ARE IN THE
INTERMEDIATE POSITION**



**- 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	°	100 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



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

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