# RANGE DIAGRAM 80° 75. 120 110 70. 65. 110 60. 93 Ss. 100 JIB RET. AND FXT Ks. 90 70 FT 80 Z **BOOM LENGTH IN** GROUND 70 59 FT 60 48 FT SEE WARNING AB 50 37 FT NOTE 5 ত 40 27 FT 30 0 20 Ω 90 10 30 40 50 60 70

	ALLOWAB	WARNING							
1 PART LINE	2 PART LINE	3 PART LINE	4 PART LINE	AAWIZIAIIAQ					
OVERHAUL BALL	SHEAF LOAD BLOCK	SINGLE OR DOUBLE SHEWE LOAD BLOCK	SHEWE LOAD BLOCK	ANTI-TWO-BLOCK SYSTEM MUST BE IN GOOD OPERATING CONDITION BEFORE OPERATING CRANE. REFER TO OWNER'S MANUAL. KEEP AT LEAST 5 WRAPS OF LOAD LINE ON DRUM AT ALL TIMES.					
8500 LBS	17000 LBS	25500 LBS	34000 LBS	9/16" - 6 X 37 IWRC (3.5:1 S.F.) 29,800 LBS. BREAKING STRENGTH					
7400 LBS	14800 LBS	22200 LBS	29600 LBS	9/16" ROT RESISTANT (5.0:1 S.F.) 37000 LBS. BREAKING STRENGTH					

OPERATING RADIUS FROM CENTERLINE OF ROTATION IN FEET

DEDUCTIONS	FROM RATED I	OADS FOR LOA	D HANDLING DEVICE	S SUPPLIED BY MANITEX.

 OVERHAUL BALL
 —
 —
 —
 SEE OVERHAUL BALL MFGR. NAMEPLATE

 LOAD BLOCK
 —
 —
 SEE BLOCK MFGR. NAMEPLATE

 HOSE REEL
 —
 —
 —
 160 LBS

 SWING AROUND JIB
 —
 —
 SEE LOAD CHART

# NARNING

LIFTING OFF THE MAIN BOOM POINT WHILE THE JIB IS ERECTED IS NOT INTENDED OR APPROVED.

	L	LOAD RATINGS IN LBS WITH OUTRIGGERS AND STABILIZERS EXTENDED  O R P A  O S  S  S  S  S  S  S  S  S  S  S  S  S										JIB LOAD RATINGS WITH OUTRIGGERS AND STABILIZERS EXTENDED						
	O R											FD	KED JIB	TELESCOPIC JIB				
	O R A D I U S	\$\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\									B 00	JIB LENGTH FOR ALL BOOM	B00	JIB LENGTH FOR ALL BOOM	L 0	JIB LENGTH FOR ALL BOOM		
	N F	F A B		В	C D				P M	LENGTHS SEE	A M	LENGTHS SEE	A M	LENGTHS SEE				
	G T	<u> </u>	27 FT	<u> </u>	37 FT	<u> 6</u>	48 FT	<u> </u>	59 FT	<u> </u>	70 FT		D N	WARNING NOTE 4	D N	WARNING NOTE 4	POG	WARNING NOTE 4
	5	79	34000															
	10	68	19000	74	17230	79	14060	80	13630				<u> </u>	23 FT	<u> </u>	23 FT	<u> </u>	40 FT
	15	56	13270	66	12280	73	9790	78	9380	80	9090		80	4400	80	4300		
	20	42	10350	57	9610	67	7530	72	7140	77	6860		75	3500	75	3400		
	25	21	7840	47	7860	60	6100	67	5750	72	5490		70	2800	70	2700		
	30			35	6510	52	5090	62	4790	68	4540		65	2200	65	2100	80	2500
	35			16	5000	44	4310	56	4070	63	3850		60	1900	60	1800	75	1900
	40					34	3630	49	3500	58	3310		55	1500	55	1400	70	1600
	45					20	2860	42	3010	53	2870		50	1300	50	1200	65	1300
	50							34	2560	47	2500		45	1200	45	1000	60	1000
	55							22	2060	41	2160		40	1100	40	900	55	850
	60									34	1840		35	900	35	700	50	750
П	65									24	1500						45	600
:																	40	550
1																		
		290 LBS   210 LBS   170 LBS   140 LBS   120 LBS					0 LBS	DEDUCTIONS FOR STOWED FIXED JIB										
		450 LBS 340 LBS 260 LBS 210 LBS 180				0 LBS	DEDUCTIONS FOR STOWED TELESCOPIC JIB											

# 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.
- 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. JIB RATING CHART IS BASED ON LOADED BOOM ANGLES OF MAIN BOOM AND NOT ON LOAD RADIUS.
- 5. BOOM MUST BE FULLY RETRACTED WHEN JIB IS ERECTED, BEFORE LOWERING BOOM THRU THIS AREA
- 6. FOR BOOM ANGLES NOT SHOWN ON JIB LOAD RATING CHART, USE RATING OF NEXT LOWER BOOM ANGLE.
- FOR BOOM LENGTHS NOT SHOWN, USE RATING OF NEXT LONGER BOOM LENGTH. FOR RADII NOT SHOWN, USE RATING OF NEXT LONGER RADIUS.
- 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.
- 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.
- 10. THE MAXIMUM LOAD WHICH MAY BE TELESCOPED IS LIMITED BY HYDRAULIC PRESSURE, BOOM ANGLE, AND BOOM UNRICATION. IT IS SAFE TO ATTEMPT TO TELESCOPE ANY LOAD WITHIN THE LIMITS OF THE LOAD RATING CHAIT. BOOM MUST BE FULLY RETRACTED AGAINST BOOM STOPS AT ALL TIMES WHEN LIFTING MINIMUM BOOM LENGTH CAPACITY LOADS.

# INFORMATION

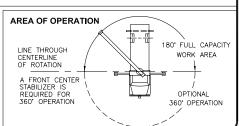
- DEDUCTIONS MUST BE MADE FROM RATED LOADS FOR STOWED JIB, OPTIONAL ATTACHMENTS, HOOKS, AND LOADBLOCKS (SEE DEDUCTION CHART). WEIGHTS OF SLINGS AND ALL OTHER LOAD HANDLING DEVICES SHALL BE CONSIDERED A PART OF THE LOAD.
- CRANE LOAD RATINGS WITH OUTRIGGERS ARE BASED ON OUTRIGGERS AND STABILIZERS EXTENDED AND SET WITH MACHINE LEVELED.
- 3. LOAD RATINGS ABOVE THE HEAVY LINE ARE STRUCTURALLY LIMITED CAPACITIES AND DO NOT EXCEED 85% OF TIPPING.

# DEFINITION

- 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.



CRANE MEETS ANSI B30.5 REQUIREMENTS 7300086-001 NR



Counesy of Crane.Marke