## RANGE DIAGRAM 130 **EXTENDED** JIB 40.6 FT 75 120 ?0 110 FIXED AND RETRACTED 100 ₹5. 90 70 FT 80 D 60 FT GROUND z GTH 50 FT 60 Ě ABOVE В 40 FT BOOM 50 ᆵ 40 26.5 FT SEE WARNING 30 NOTE 5 ā 20 10 40 OPERATING RADIUS FROM CENTERLINE OF ROTATION IN FEET

## **LMI OPERATING CODES**

SETTING	CRANE	CONFIGURATION	SET

1--- MAIN BOOM

#2--- FIXED JIB

3--- TELE JIB - RETRACTED #4--- TELE JIB - EXTENDED

TING CRANE WITH PERSONNEL LIFTING PLATFORM

#5 --- PERSONNEL LIFTING PLATFORM ON MAIN BOOM #6 --- PERSONNEL LIFTING PLATFORM ON FIXED JIB

#7 --- PERSONNEL LIFTING PLATFORM ON TELE JIB - RETRACTED WARNING: LIFTING PERSONNEL FROM EXTENDED JIB IS NOT APPROVED

	ALLOWABI	WARNING								
1 PART LINE	2 PART LINE	3 PART LINE	4 PART LINE	AAMUIIIAC						
OCT ONERHAUL BALL	SHENE LOW BLOCK	NOOIB OVOT SWEHS THUSE OVOT SWEHS	SHEWE LOWD BLOCK	ANTI-TWO-BLOCK SYSTEM MUST BE IN GOOD OPERATING CONDITION BEFORE OPERATING CRANE. REFER TO OWNER'S MANUAL.  KEEP AT LEAST 3 WRAPS OF LOAD LINE ON DRUM AT ALL TIMES.						
8500 LBS	17000 LBS	25500 LBS	34000 LBS	9/16" - 6X25 IWRC (3.5:1 S.F.) 29750 LBS. BREAKING STRENGTH						
7400 LBS	14800 LBS	22200 LBS	29600 LBS	9/16" ROT RESISTANT (5.0:1 S.F.) 37000 LBS. BREAKING STRENGTH						

DEDUCTIONS FROM RATED LOADS FOR LOAD HANDLING DEVICES SUPPLIED BY MANITEX

SWING AROUND JIB ---- SEE LOAD CHART

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

F		LOAD RATINGS IN LBS WITH OUTRIGGERS AND STABILIZERS EXTENDED  LMI CODE #1								JIB LOAD RATINGS IN LBS WITH OUTRIGGERS AND STABILIZERS EXTENDED								
		2ND											FIX	ED JIB	TELESCOPIC JIB			
Πg	Ŗ	AN A								LMI CODE #2		LMI CODE #3		LMI CODE #4				
OP ER AT	WC-DN	LMI CODE #1  2ND  2ND  1ST  2ND  2ND  2ND  2ND  2ND  2ND  2ND  2N							O R P A E D R I	T>OF EOO®	JIB LENGTH FOR ALL BOOM	B LENGTH FOR ALL A M BOOM		-0r	JIB LENGTH FOR ALL BOOM			
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屽		350 LBS 240 LBS 190 LBS 160 LBS 140 LBS						40 LBS	DEDUCTIONS FOR STOWED FIXED JIB									
		5	30 LBS	35	0 LBS	280 LBS 240 LBS						DEDUCTIONS FOR STOWED TELESCOPIC JIB						

- 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.
- 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. BOOM MUST BE FULLY RETRACTED WHEN JIB IS ERECTED, BEFORE LOWERING BOOM THROUGH THIS AREA.
- 6. FOR BOOM ANGLES NOT SHOWN ON JIB LOAD RATING CHART, USE RATING OF NEXT LOWER BOOM ANGLE.
- 7. FOR BOOM LENGTHS NOT SHOWN, USE RATING OF NEXT LONGER BOOM LENGTH. FOR RADII NOT SHOWN, USE RATING
- 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 STROUMDINGS, EXPERIENCE OF PERSONNEL, AND PROPER HANDLING, ALL OF WHICH MUST BE TAKEN INTO ACCOUNT BY THE OPERATOR.
- 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. BOOM MUST BE FULLY RETRACTED AGAINST BOOM STOPS AT ALL TIMES WHEN LIFTING MINIMUM BOOM LENGTH CAPACITY LOADS.
- 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. 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. LOAD RATINGS BELOW THE HEAVY LINE ARE STABILITY LIMITED CAPACITIES AND DO NOT EXCEED 85% OF TIPPING.

  DEFINITIONS
- OPERATING RADIUS IS THE HORIZONTAL DISTANCE FROM THE AXIS OF ROTATION TO THE CENTER OF THE VERTICAL
  HOIST LINE OR TACKLE WITH LOAD APPLIED.
- LOADED BOOM ANGLE AS SHOWN IN THE COLUMN HEADED BY 4, 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

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