

## LMI OPERATING CODES

SETTING CRANE CONFIGURATION

#1--- MAIN BOOM #2--- FIXED JIB

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

SETTING 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

	ALLOV	WARNING			
1 PART LINE	2 PART LINE	3 PART LINE	4 PART LINE	5 PART LINE	MAINING
GE OVERHAUL BALL	SINGLE OR TRIPLE SHEAVE LOAD BLOCK	SHOLE OR TRIPLE SHEAVE LOAD BLOCK	CA ODBIE OR TRIPLE SHEWE LOAD BLOCK	Cooler or TRIPLE AUXILIARY SHENCE LOAD 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	38000 LBS	9/16" - 6X25 IWRC (3.5:1 S.F.) 29750 LBS. BREAKING STRENGTH
7700 LBS	15400 LBS	23100 LBS	30800 LBS	38000 LBS	9/16" ROT RESISTANT (5.0:1 S.F.) 38800 LBS. BREAKING STRENGTH

## DEDUCTIONS FROM RATED LOADS FOR LOAD HANDLING DEVICES SUPPLIED BY MANITEX

## WARNING

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

LOAD RATINGS IN LBS WITH OUTRIGGERS AND STABILIZERS EXTENDED								JIB LOAD RATINGS IN LBS WITH OUTRIGGERS AND STABILIZERS EXTENDED										
⊩	LMI CODE #1																	
Ш,		LMI CODE #1									O R P A E D	FIXED JIB LMI CODE #2		LMI CODE #3		LMI CODE #4		
	Ä												JIB		JIB		JIB	
Ř	RAD-UM											L BO	LENGTH FOR ALL	L B F	LENGTH FOR ALL	LO BOO	LENGTH FOR ALL	
A U T F I T			/	A		В		С		D		HR I	LOADED	BOOM LENGTHS	1040HD		ΑM	BOOM LENGTHS
G		<u>/</u>	26.5 FT	6	40 FT	<u>/</u>	50 FT	<u>/</u>	60 FT	6	70 FT	N T	DG	SEE WARNING	ĎĞ	SEE WARNING	E N	SEE WARNING
	5	79	38000									G		NOTE 4		NOTE 4		NOTE 4
	8	73	27010	79	24000								6	23.6 FT	6	23.6 FT	6	40.6 FT
	10	68	22330	76	21100	80	18000					10						
	12	63	18410	73	18230	77	16320	80	13420			12						
	15	55	14420	69	14600	74	13940	77	11900	80	9400	15						
1 2	20	40	10350	61	10540	68	10600	72	9810	76	8180	20	80	4400	80	4200		
1 4	25	12	7830	52	8070	61	8130	67	8170	71	7000	25	78	4200	78	4000	80	3000
	30			41	6400	54	6470	62	6510	67	6050	30	75	4000	75	3800	78	2660
	35			28	5160	47	5240	56	5280	62	5280	35	71	3600	71	3380	75	2380
	40					37	4200	50	4260	58	4300	40	68	3220	68	3010	72	2150
	45					25	3360	43	3420	52	3460	45	65	2880	65	2650	69	1940
[5	50							35	2790	47	2820	50	61	2580	61	2340	66	1770
[:	55							24	2290	40	2330	55	57	2310	57	2060	63	1620
[	50									33	1930	60	53	2020	53	1790	60	1490
(	35									23	1600	65	49	1690	49	1460	57	1380
	70											70	45	1410	45	1180	54	1280
	75											75	40	1180	40	950	51	1190
8	30											80	34	980	34	750	47	1030
8	35											85	27	810	27	570	43	850
[	90											90					39	700
	95											95					34	560
ΙĹ		0	6650	0	3820	0	2700	0	1960	0	1370							
	350 LBS		240 LBS 190 LBS		160 LBS 140 LBS		_	DEDUCTIONS FOR STOWED FIXED JIB										
	530 LBS 3			35	0 LBS	280 LBS		240 LBS		200 LBS		DEDUCTIONS FOR STOWED TELESCOPIC JIB						

## WARNING

- 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.
- BOOM MUST BE FULLY RETRACTED WHEN JIB IS ERECTED, BEFORE LOWERING BOOM THROUGH THIS AREA
- 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.

- 9. 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 OPERATION.

  10. 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.

  INFORMATION

  1. DEPICTIONS MUST BE MADE FORM STOPS AT ALL TIMES WHEN LIFTING MINIMUM BOOM LENGTH CAPACITY LOADS.
- 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. 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 A, 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

