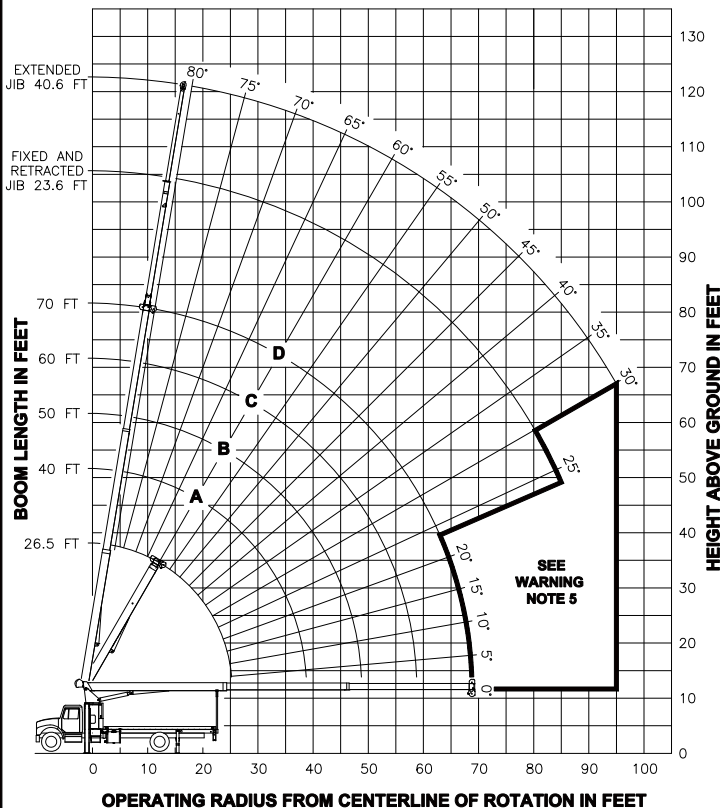


RANGE DIAGRAM



LMI OPERATING CODES

SETTING	CRANE CONFIGURATION	SETTING	CRANE WITH PERSONNEL LIFTING PLATFORM
#1---	MAIN BOOM	#5---	PERSONNEL LIFTING PLATFORM ON MAIN BOOM
#2---	FIXED JIB	#6---	PERSONNEL LIFTING PLATFORM ON FIXED JIB
#3---	TELE JIB - RETRACTED	#7---	PERSONNEL LIFTING PLATFORM ON TELE JIB - RETRACTED
#4---	TELE JIB - EXTENDED		

WARNING: LIFTING PERSONNEL FROM EXTENDED JIB IS NOT APPROVED

ALLOWABLE LINE PULL

1 PART LINE	2 PART LINE	3 PART LINE	4 PART LINE	5 PART LINE	
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

OVERHAUL BALL ----- SEE OVERHAUL BALL MFR. NAMEPLATE
 LOAD BLOCKS ----- SEE BLOCK MFR. NAMEPLATE
 HOSE REEL ----- 160 LBS
 SWING AROUND JIB ----- SEE LOAD CHART

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

		LMI CODE #1				
		26.5 FT	40 FT	50 FT	60 FT	70 FT
5	79	38000				
8	73	27010	79 24000			
10	68	22330	76 21100	80 18000		
12	63	18410	73 18230	77 16320	80 13420	
15	55	14420	69 14600	74 13940	77 11900	80 9400
20	40	10350	61 10540	68 10600	72 9810	76 8180
25	12	7830	52 8070	61 8130	67 8170	71 7000
30			41 6400	54 6470	62 6510	67 6050
35			28 5160	47 5240	56 5280	62 5280
40				37 4200	50 4260	58 4300
45				25 3360	43 3420	52 3460
50					35 2790	47 2820
55					24 2290	40 2330
60						33 1930
65						23 1600
70						
75						
80						
85						
90						
95						
0		6650	0 3820	0 2700	0 1960	0 1370
		350 LBS	240 LBS	190 LBS	160 LBS	140 LBS
		530 LBS	350 LBS	280 LBS	240 LBS	200 LBS

WARNING

- THE OPERATOR MUST READ AND UNDERSTAND THE OWNER'S MANUAL BEFORE OPERATING THIS CRANE.
- 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.
- 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.
- 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.

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

Manitex

**MODELS
1970C & 1970T**

CRANE MEETS ANSI B30.5 REQUIREMENTS

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