



LOAD RATINGS IN LBS WITH OUTRIGGERS AND STABILIZERS EXTENDED

LMI OR PCS CODE #1

OPERATING RADIUS IN FEET	BOOM ANGLE	LMI OR PCS CODE #1								
		A	B	C	D					
5	79	56000								
8	73	40670								
10	69	34520	78 22500							
12	64	30130	76 22500	80 22500						
15	57	25430	72 22310	77 20960	80 15920					
20	43	20130	65 17540	72 16290	77 13540	79 10700				
25	22	15630	58 14500	67 13340	73 11710	76 9290				
30		50 12120	62 11290	69 10160	73 8330	30 77 5300	77 5100	79 3400		
35		41 9040	57 9200	65 8830	70 7320	35 75 4960	75 4700	77 3300		
40		30 6990	51 7150	60 7240	66 6460	40 72 4490	72 4230	76 3200		
45		11 5510	44 5700	56 5780	63 5730	45 70 4080	70 3820	74 3040		
50			36 4600	51 4690	59 4740	50 67 3710	67 3440	72 2800		
55			27 3750	46 3840	55 3890	55 65 3380	65 3100	69 2630		
60			10 3050	40 3160	51 3210	60 62 3080	62 2810	67 2480		
65					33 2610	47 2660	65 59 2790	59 2500	65 2310	
70					24 2140	42 2200	70 56 2320	56 2030	63 2110	
75					9 1730	37 1800	75 53 1930	53 1640	60 1940	
80						31 1470	80 50 1590	50 1300	58 1760	
85						23 1170	85 46 1300	46 1010	55 1460	
90						9 910	90 42 1040	42 750	52 1200	
95							95 38 810	38 520	49 970	
100									46 770	
105									43 580	
		460 LBS.	270 LBS.	210 LBS.	170 LBS.	140 LBS.	DEDUCTIONS FOR STOWED FIXED JIB			
		690 LBS.	410 LBS.	310 LBS.	250 LBS.	210 LBS.	DEDUCTIONS FOR STOWED TELESCOPIC JIB			

- 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 THRU 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 SHORTER OR LONGER BOOM LENGTH, WHICHEVER IS LESS. 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.

- INFORMATION**
- DEDUCTIONS MUST BE MADE FROM RATED LOADS FOR STOWED JIB, OPTIONAL ATTACHMENTS, HOOKS, AND LOAD-BLOCKS (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.
  - 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  $\alpha$ , IS THE INCLUDED ANGLE BETWEEN THE HORIZONTAL AND LONGITUDINAL AXES OF THE BOOM BASE AFTER LIFTING RATED LOAD AT RATED RADIUS.

**LMI OR PCS 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	TELESCOPIC JIB-RETRACTED	#7	PERSONNEL LIFTING PLATFORM ON TELESCOPIC JIB-RETRACTED
#4	TELESCOPIC JIB-EXTENDED	#8	PERSONNEL LIFTING PLATFORM ON TELESCOPIC JIB-EXTENDED

ALLOWABLE LINE PULL							<b>WARNING</b>
1 PART LINE	2 PART LINE	3 PART LINE	4 PART LINE	5 PART LINE	6 PART LINE	7 PART LINE	
8500 LBS	17000 LBS	25500 LBS	34000 LBS	42500 LBS	51000 LBS	56000 LBS	
7400 LBS	14800 LBS	22200 LBS	29600 LBS	37000 LBS	44400 LBS	51800 LBS	

ANTI-TWO-BLOCK SYSTEM MUST BE IN GOOD OPERATING CONDITION BEFORE OPERATING CRANE.

REFER TO THE OWNER'S MANUAL.

KEEP AT LEAST 3 WRAPS OF LOAD LINE ON THE DRUM AT ALL TIMES.

9/16" 6x25 IWRC (3.5:1 SF) - 29750 LBS MIN BREAKING STRENGTH

9/16" ROT RESISTANT (5.0:1 SF) - 37000 LBS MIN BREAKING STRENGTH

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

AUXILIARY BLOCK	50 LBS
AUXILIARY SHEAVE	50 LBS
OVERHAUL BALL	SEE OVERHAUL BALL MFGR. NAMEPLATE
LOAD BLOCK	SEE BLOCK MFGR. NAMEPLATE
HOSE REEL	140 LBS
SWING AROUND JIB	SEE LOAD CHART

**WARNING**  
LIFTING OFF THE MAIN BOOM POINT WHILE THE SWING AROUND JIB IS ERECTED IS NOT INTENDED OR APPROVED.

**MODEL 2892C**

CRANE MEETS ANSI B30.5 REQUIREMENTS

7300097-001 NR

