



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
15	57	25430	72	22310	77
20	43	20130	65	17540	72
25	22	15630	58	14500	67
30		50	12120	62	11290
35		41	9040	57	9200
40		30	6990	51	7150
45		11	5510	44	5700
50				36	4600
55				27	3750
60				10	3050
65					
70					
75					
80					
85					
90					
95					
100					
105					

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

JIB LOAD RATINGS WITH OUTRIGGERS AND STABILIZERS EXTENDED

OPERATING RADIUS IN FEET	BOOM ANGLE	JIB LOAD RATINGS WITH OUTRIGGERS AND STABILIZERS EXTENDED			
		FIXED JIB	TELESCOPIC JIB		
5	79	5600	5400		
8	73	4067	4600		
10	69	3452	3710		
12	64	3013	3380		
15	57	2543	3080		
20	43	2013	2790		
25	22	1563	2320		
30		50	2110		
35		41	1930		
40		30	1730		
45		11	1590		
50			1300		
55			1010		
60			750		
65			520		
70					
75					
80					
85					
90					
95					
100					
105					

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

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

WARNING

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.

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.

- ### 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 α , IS THE INCLUDED ANGLE BETWEEN THE HORIZONTAL AND LONGITUDINAL AXES OF THE BOOM BASE AFTER LIFTING RATED LOAD AT RATED RADIUS.

Manitex

MODEL 2892C

CRANE MEETS ANSI B30.5 REQUIREMENTS

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