



ALLOWABLE LINE PULL			WARNING
PART LINE	2 PART LINE	3 PART LINE	
			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
5900 LBS.	11600 LBS.	17400 LBS.	
2400 LBS.	12000 LBS.	18000 LBS.	7/16"-6X19 IWRC 20400 LBS. BREAKING STRENGTH 1/2"-6X19 IWRC 26600 LBS. BREAKING STRENGTH
DEDUCTIONS FROM RATED LOADS FOR MANITEX SUPPLIED LOAD HANDLING DEVICES			
AUXILIARY BLOCK			50 LBS.
TWO PART GALL			100 LBS.
3-40' CUB SLIP			260 LBS.
4-10' ROUND JIB (STOWED)			300 LBS.
1-10' JIB			190 LBS.
1-10' STEEL BUCKET (EMPTY WEIGHT)			710 LBS.
WARNING			
DO NOT EXCEED THE WARNING POINT WHILE THE SWING AROUND JIB IS IN USE. IT IS NOT INTENDED FOR APPROVED.			



LOAD RATINGS IN LB										
OPERATING RADIUS FT	LOADED BOOM ANGLE		BOOM LENGTH		RATED LOADS					
	22 FT	32 FT	40 FT	48 FT	56 FT	64 FT	72 FT	80 FT	88 FT	96 FT
4	79	18000								
6	74	13400								
8	68	10800	75	9860	79	9300				
10	62	9090	72	8240	76	7750	79	7350		
12	56	7860	68	7100	73	6650	76	6300	79	6000
14	49	6910	64	6260	70	5960	74	5550	77	5250
16	42	6140	60	5580	67	5220	71	4920	74	4650
20	20	4380	51	4380	60	4280	66	4020	70	3820
25			38	3660	51	3470	59	3260	65	3080
30			16	2680	41	2870	52	2720	59	2560
35					28	2320	44	2600	52	2180
40							33	1920	45	1860
45							19	1490	37	1500
50									27	1310
55									10	900

OPERATING RADIUS FT	22 FT	32 FT	40 FT	48 FT	56 FT	64 FT	72 FT	80 FT	88 FT	96 FT
14	85	3000								
16	79	2800								
20	76	2410	20	79	1970					
25	72	2000	25	76	1600					
30	68	1680	30	72	1360					
35	64	1440	35	69	1190					
40	60	1220	40	65	1020					
45	55	1060	45	62	880					
50	50	890	50	59	770					
55	45	740	55	55	670					
60	39	580	60	51	590					
65	32	440	65	46	520					
70			70	42	440					
75			75							
80			80							

WARNING

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.
3. 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.
4. THE OPERATING RADIUS SHOWN IN THE JIB LOAD 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. DO NOT RELY ON THE CAPACITY ALERT SYSTEM WHEN LIFTING FROM JIBS.
5. BOOM MUST BE FULLY RETRACTED WHEN JIB IS ERECTED, BEFORE LOWERING BOOM THRU 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. FOR LOAD RADIUS NOT SHOWN, USE RATING OF NEXT LONGER RADIUS.
8. 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 OPERATOR.
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.

INFORMATION

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. MAIN BOOM LOAD RATINGS ARE BASED ON A CONSTANT HOIST CYLINDER PRESSURE AND DO NOT EXCEED 85% OF TIIPPING. JIB LOAD RATINGS ABOVE THE HEAVY LINE ARE BASED ON THE MACHINE STRUCTURAL COMPETENCE AND NOT ON MACHINE STABILITY.

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

