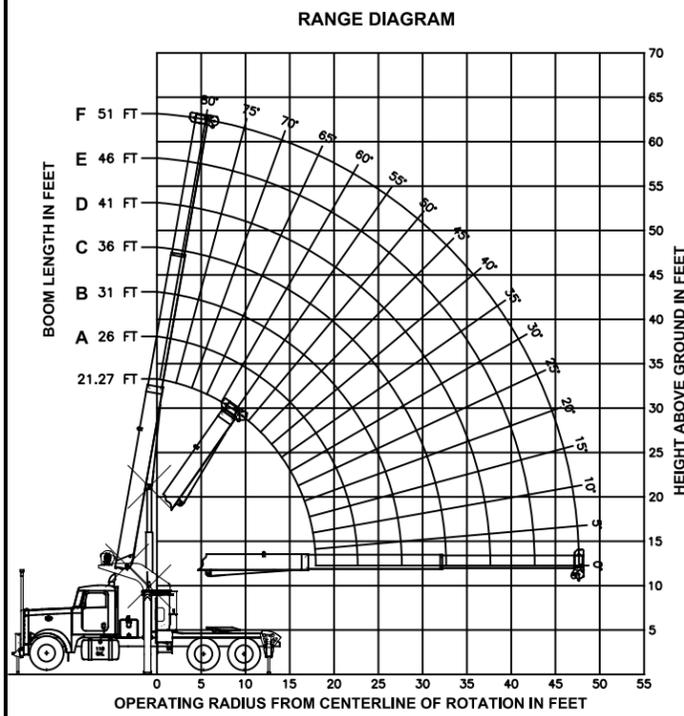


REVISIONS	
EN 14-0001-05	AB 03/14
NEW RELEASE	
EN 17-0014-07	AB 09/17
A) ADD 0" CAPACITIES	
EN 21-0010-07	ZD 11/21
B) ADD 14mm	
EN 22-0002-04	ZD 04/22
C) 34.3 WAS 32.3	



LOAD RATINGS IN LBS WITH OUTRIGGERS AND STABILIZERS EXTENDED

BOOM LENGTH IN FEET	BOOM ANGLE	LOADING CAPACITY (LBS)						RADIUS IN FEET								
		A	B	C	D	E	F									
5	70	60000						5								
8	60.5	43700	66.5	41700	71	40100	74	38900	76.5	38000						8
10	54	38200	61.5	36400	67	35200	70.5	34100	73.5	33200	75.5	32200	77	28520	10	
12	47	34300	56.5	32700	62.5	31200	67	30100	70.5	29250	73	28540	75	25800	12	
14	38.5	30700	50.5	29440	58.5	28160	63.5	27110	67.5	26640	70.5	25940	72.5	23780	14	
16	27.5	27160	44.5	26760	53.5	25990	60	25010	64	24190	67.5	23520	70.5	21820	16	
18			60	24640	49	23840	56	22960	61	22200	65	21550	68	20190	18	
20			28.5	22260	43.5	21980	52	21230	57.5	20530	62	19910	65.5	18520	20	
25					26.5	17760	40.5	17770	48.5	17570	54.5	17070	58.5	15410	25	
30							24.5	13170	38	13260	46	13310	51.5	12950	30	
35									23	10240	36	10310	44	10350	35	
40											22	8270	34.5	8320	40	
45													21	6860	45	
50															50	
		0	19400	0	15550	0	12650	0	10550	0	8910	0	7460	0	3200	

- 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.
  - BOOM MUST BE FULLY RETRACTED WHEN JIB IS ERECTED, BEFORE LOWERING BOOM THRU THIS AREA.
  - FOR BOOM LENGTHS NOT SHOWN, USE RATING OF NEXT LONGER BOOM LENGTH. FOR RADI 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.

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

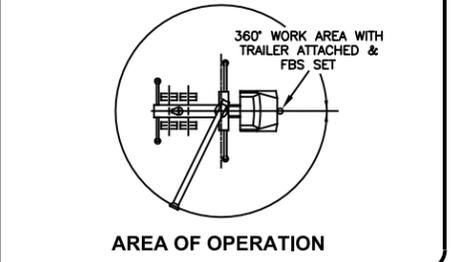
ALLOWABLE LINE PULL							<b>WARNING</b>
1 PART	2 PART	3 PART	4 PART	5 PART	6 PART	7 PART	
8500 LBS	17000 LBS	25500 LBS	34000 LBS	42500 LBS	51000 LBS	60000 LBS	
7700 LBS	15400 LBS	23100 LBS	30800 LBS	38500 LBS	46200 LBS	53900 LBS	

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" (14mm) 6X25 HRPC (3.5:1 SF) - 29750 LBS MIN BREAKING STRENGTH  
 9/16" (14mm) ROT RESISTANT (5.0:1 SF) - 38500 LBS MIN BREAKING STRENGTH

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

AUXILIARY BLOCK ----- 50 LBS  
 OVERHAUL BALL ----- SEE OVERHAUL BALL MFR NAMEPLATE  
 SINGLE SHEAVE LOAD BLOCK ----- SEE BLOCK MFR NAMEPLATE  
 HOSE REEL ----- 160 LBS  
 SWING AROUND JIB ----- SEE LOAD CHART



**NOTES:**

- IF THIS DRAWING REQUIRES REVISION, ALSO UPDATE THE REVISION LETTER AT THE BOTTOM OF THE LOAD CHART.

MATERIAL : ALUMINUM 0.062 THICK  
 ADHESIVE BACKING : 3M #9505  
 COLORS : BACKGROUND - ALUMINUM  
 PRINTING - BLUE PANTONE 293  
 SIZE : ACTUAL AS SHOWN

R0.38

DOCUMENT CONTROL STATUS:  
 ELECTRONIC FILE = CONTROLLED  
 HARDCOPY = UNCONTROLLED

**Manitex**

SCALE 1"=1"	DRAWN AB	CHECKED TR	APPVD./DATE DM 03/14
RANGE DIAGRAM AND CAPACITY CHART MODEL 3051T			
TOLERANCES (UNLESS SPECIFIED)			7300096-023
± 1/16"			SHEET 1 OF 1

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TOLERANCE UNLESS OTHERWISE SPECIFIED		
DECIMAL PLACES	FABRICATION	MACHINING
(1) PLACE 0.0	± 0.120	± 0.030
(2) PLACE 0.00	± 0.060	± 0.015
(3) PLACE 0.000	± 0.030	± 0.005
ANGLES	± 1' 30"	± 0' 30"

1) √ = MACHINING TOLERANCE APPLIES TO THIS DIMENSION AND/OR SURFACE.  
 2) ∇ INDICATES A TOLERANCE OTHER THAN INDICATED BY ORIGINAL DECIMAL DIMENSION  
 EXAMPLE: .3125 = USE ONE DECIMAL PLACE TOLERANCE.