



Load Rating Chart

Model SC62

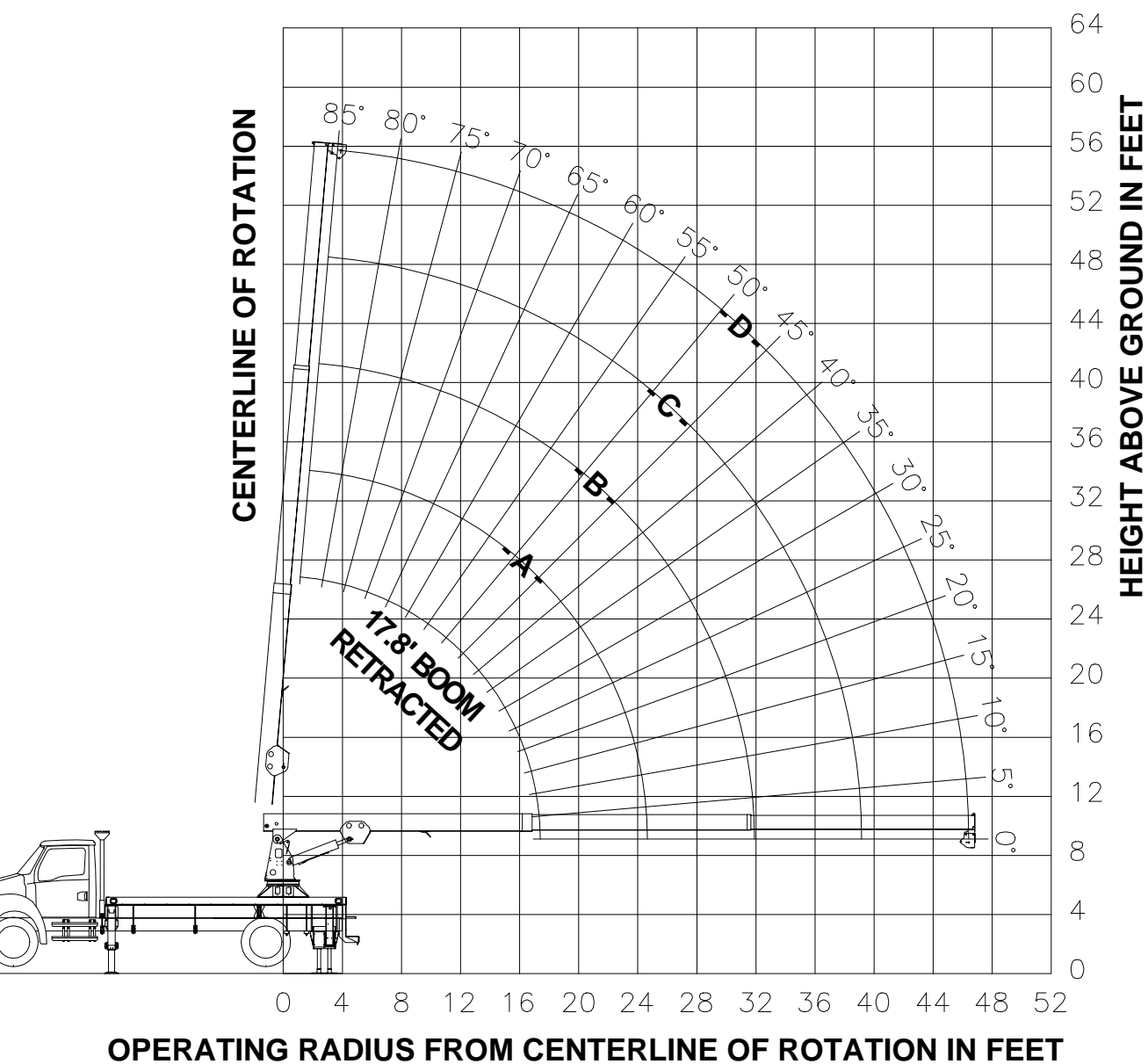


© Manitex

NOTE: *Additional copies of this Load Rating Chart can be purchased from your Manitex Distributor. When ordering, use the part number shown in the bottom left corner of this page.*

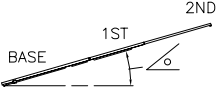


**RANGE DIAGRAM
- FOR CRANE OPERATION ONLY -
(MEETS ANSI B30.5 REQUIREMENTS)**

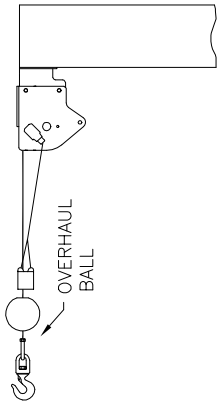
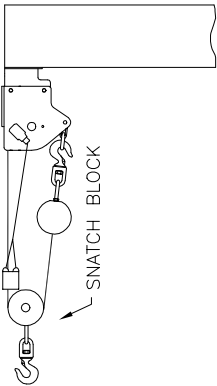




LOAD CHART
-FOR CRANE APPLICATION ONLY-
 (MEETS ANSI B30.5 REQUIREMENTS)

MAIN BOOM LOAD RATINGS IN LBS										
OPERATING RADIUS FT	LOADED BOOM ANGLE		BOOM LENGTH AND MARKER							
	°	17.8 FT	°	25.1 FT	°	32.3 FT	°	39.6 FT	°	46.8 FT
8	63	6000	71	6000	76	5400				
10	55	6000	66	5150	72	4510	76	4220		
12	47	5710	61	4540	68	3900	73	3620	76	3420
14	37	5260	56	4100	64	3460	70	3180	74	2990
16	24	4920	50	3770	60	3120	67	2850	71	2650
18			44	3510	56	2860	64	2590	69	2390
20			37	3290	52	2650	60	2380	66	2180
24			14	2940	42	2330	53	2060	60	1860
28					29	2090	45	1830	54	1640
32							36	1650	48	1460
36							24	1510	41	1320
40									32	1210
44									20	1110
48										



ALLOWABLE LINE PULL		WARNING
1 PART LINE	2 PART LINE	
		<p>ANTI-TWO BLOCK SYSTEM, IF SUPPLIED, MUST BE IN GOOD OPERATING CONDITION BEFORE OPERATING THE CRANE.</p> <p>REFER TO THE OWNER'S MANUAL.</p> <p>KEEP AT LEAST 3 WRAPS OF LOAD LINE ON THE DRUM AT ALL TIMES.</p>
3500 LBS	6000 LBS	
		3/8" 6X25 IWRC (3.5:1 SF) – 13120 LBS MIN BREAKING STRENGTH

DEDUCTIONS FROM RATED LOADS FOR LOAD HANDLING DEVICES SUPPLIED BY MANITEX

OVERHAUL WEIGHT	40 LBS
SNATCH BLOCK	40 LBS
2-MANBASKET SLR PLATFORM	700 LBS

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. FOR BOOM ANGLES NOT SHOWN ON LOAD RATING CHART, USE RATING OF NEXT LOWER BOOM ANGLE.
5. 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.
6. 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.
7. 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.
8. 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.

FORMATION

1. DEDUCTIONS MUST BE MADE FROM RATED LOADS FOR 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. 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.

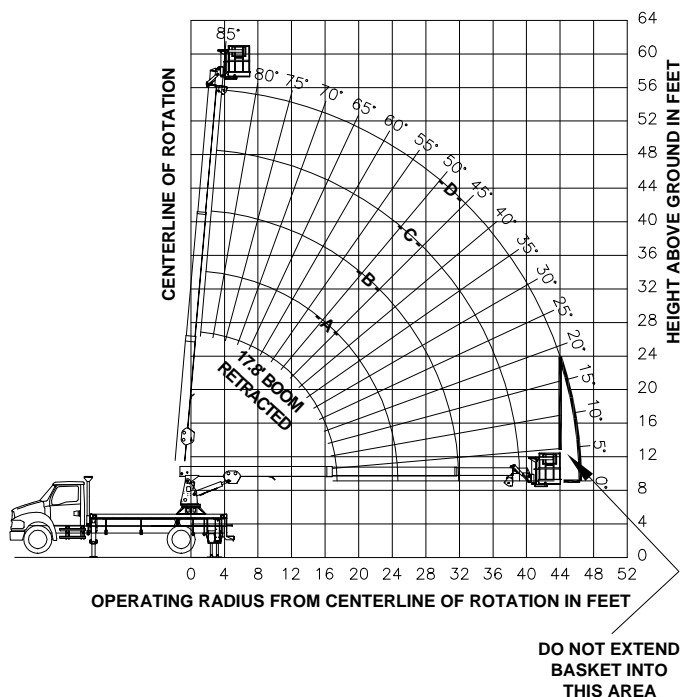
INITIATIONS

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.

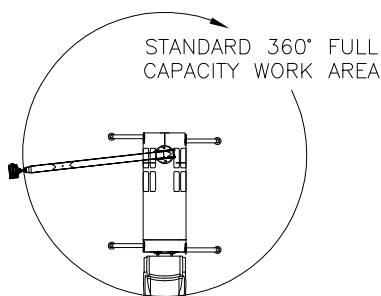


MODEL SC62

SELF LEVELING ROTATING (SLR) PERSONNEL PLATFORM RANGE DIAGRAM



AREA OF OPERATION



Manitex
SkyCrane

CRANE MEETS ANSI A92.2 REQUIREMENTS



DANGER

**FAILURE TO READ, UNDERSTAND AND OBEY
THE FOLLOWING INSTRUCTIONS CAN RESULT IN
DEATH OR SERIOUS INJURY**

**MAXIMUM ALLOWABLE PLATFORM
CAPACITY IS 600 LBS.**

1. FOR CRANE STABILITY, LEVEL CRANE BY PROPERLY EXTENDING OUTRIGGERS ON A FIRM SURFACE. CRANE TIRES MUST BE JUST TOUCHING SURFACE.
2. THE MAXIMUM ALLOWABLE PLATFORM CAPACITY INCLUDES PERSONNEL, TOOLS, LOAD SUSPENDED FROM THE JIB WINCH OR ANY OTHER EXTERNAL WEIGHT.
THE MAXIMUM ALLOWABLE PLATFORM CAPACITY MUST NEVER BE EXCEEDED. LOADS IN EXCESS OF THE MAXIMUM ALLOWABLE PLATFORM CAPACITY WILL AFFECT THE CRANE STABILITY OR STRUCTURAL INTEGRITY AND MAY CAUSE A FALL RESULTING IN DEATH OR SERIOUS INJURY.
3. ALWAYS USE BODY BELTS AND LANYARDS WHEN USING ANY PERSONNEL PLATFORM. FASTEN LANYARD HOOK TO BOOM TIP OR JIB ANCHOR POINT PROVIDED.
4. ALWAYS REMOVE OVERHAUL BALL OR SNATCH BLOCK AND SECURE LOAD LINE AT BOOM BASE ATTACHMENT BEFORE USING ANY PERSONNEL PLATFORM.
5. ANY PERSONNEL PLATFORM ON THIS MACHINE DOES NOT PROVIDE PROTECTION FROM CONTACT WITH OR PROXIMITY TO ELECTRICALLY CHARGED CONDUCTORS. DEATH OR SERIOUS INJURY WILL OCCUR IF ADEQUATE CLEARANCE IS NOT MAINTAINED.
REFER TO OPERATORS MANUAL FOR MINIMUM CLEARANCE REQUIRED BETWEEN ANY PART OF THE BOOM OR PLATFORM AND THE POWER LINE.
6. WHEN LOADING OR UNLOADING ANY PERSONNEL, FULLY RETRACT THE BOOM AT ANY ANGLE ABOVE 0 DEGREES, LOWER THE BOOM TO -15 DEGREES AND EXTEND THE BOOM UNTIL PLATFORM IS CLOSE TO GROUND.