



Model 1870 Load Rating Chart

Outriggers and stabilizers Extended																
Operating Radius		Load Rating 27' (8.23 m) Boom			Load Rating 40' (12.19 m) Boom			Load Rating 50' (15.24 m) Boom			Load Rating 60' (18.29 m) Boom			Load Rating 70' (21.34 m) Boom		
Feet	Meters	Loaded Degree Angle	LBS	KG	Loaded Degree Angle	LBS	KG	Loaded Degree Angle	LBS	KG	Loaded Degree Angle	LBS	KG	Loaded Degree Angle	LBS	KG
5'	1.52	79°	36,000	16,329												
8'	2.44	72°	25,580	11,603	79°	21,500	9,752									
10'	3.05	68°	21,630	9,811	76°	19,540	8,863	79°	15,810	7,171						
12'	3.66	63°	18,790	8,523	73°	16,890	7,661	77°	13,620	6,178	79°	12,780	5,797			
15'	4.57	56°	15,760	7,148	68°	14,110	6,400	73°	11,270	5,112	76°	10,570	4,794	79°	10,000	4,536
20'	6.10	41°	12,280	5,570	60°	11,100	5,034	67°	8,750	3,969	71°	8,230	3,733	75°	7,750	3,515
25'	7.62	17°	8,970	4,068	51°	9,140	4,146	60°	7,160	3,247	66°	6,710	3,043	70°	6,320	2,866
30'	9.14				41°	7,660	3,474	53°	6,010	2,726	61°	5,630	2,553	66°	5,280	2,395
35'	10.67				27°	6,100	2,767	46°	5,120	2,322	55°	4,810	2,181	61°	4,520	2,050
40'	12.19							37°	4,360	1,977	49°	4,170	1,891	56°	3,920	1,778
45'	13.72							25°	3,580	1,623	42°	3,620	1,642	51°	3,430	1,555
50'	15.24										34°	3,110	1,410	45°	3,010	1,365
55'	16.76										23°	2,550	1,156	39°	2,630	1,193
60'	18.29													31°	2,260	1,025
65'	19.81													21°	1,830	830
Deduction for stowed Jib																
			670	304		450	204		360	163		300	136		260	118

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.

Warning: Before operating any Manitex crane, the operator must read and understand the owner's manual and other instructions for a specific serial number crane. This chart is only a guide. The notes and warnings are for illustration only and cannot be used to operate a crane.

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 capacity-alert system when lifting from jib.



MEGA CRANES LTD.

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Jib Load Rating in LBS/KGS with Outriggers and Stabilizers Extended							
Operating Radius		Jib Load Rating 26' (7.93 m) jib for All Boom Lengths			Jib Load Rating 46' (14.02 m) Jib for All Boom Lengths		
20'	6.10	79°	4,900	2,223			
25	7.62	76°	4,170	1,892	79°	3,350	1,520
30	9.14	73°	3,540	1,606	77°	2,880	1,306
35	10.67	70°	3,040	1,379	74°	2,500	1,134
40	12.19	67°	2,620	1,188	72°	2,180	989
45	13.72	64°	2,280	1,034	69°	1,910	866
50	15.24	60°	1,970	894	66°	1,680	762
55	16.76	57°	1,690	767	64°	1,490	676
60	18.29	53°	1,450	658	61°	1,320	599
65	19.81	49°	1,240	563	58°	1,170	531
70	21.34	45°	1,060	481	55°	1,040	472
75	22.86	40°	900	408	52°	920	417
80	24.38	35°	740	336	49°	820	373
85	25.91				45°	730	331
90	27.43				41°	630	286
95	28.96				37°	540	245

Deductions From Rated Loads for Manitex Supplied Load Handling Devices		
Hanger Sheave	50 Lbs	23 Kgs
Overhaul Ball	120 Lbs	54 Kgs
Single-Sheave Load Block	260 Lbs	118 Kgs
Double-Sheave Load Block	350 Lbs	159 Kgs
Hose Reel	190 Lbs	86 Kgs
Swing-Around Jib	See Load Chart	