

Clamshell/Grapple Capacities

Boom No. 84
32 430 kg Counterweight
Crawler Machine on a Barge
0 Degree thru 1 Degree and
1 Degree thru 3 Degree Machine List
360 Degree Rating

555 SERIES 1

LIFTING CAPACITIES: Capacities are for a crawler machine when operating on a barge. Machine shall be positively secured to prevent shifting. Capacities for various boom lengths and operating radii are for freely suspended loads and do not exceed 67.5% of a static tipping load. Capacities are based on tipping, structural competence(*), operating speeds and other factors.

Weight of bucket is considered part of load. Where no capacity is shown, operation is not intended or approved.

OPERATING CONDITIONS: Machine to operate in a level position on a firm uniformly supporting surface and machine list not to exceed degrees noted. Refer to boom rigging **No. A00952** and Wire Rope Specification chart **No. 8443-B**. Crane operator judgment must be used to allow for adverse operating conditions and physical machine depreciation. Refer to operators manual for operating guidelines.

OPERATING RADIUS: Operating radius is horizontal distance from axis of rotation at barge deck to center of gravity of the freely suspended load. Boom angle is angle between horizontal and centerline of boom butt and inserts, and is an indication of operating radius.

MACHINE EQUIPMENT: Machine equipped with 7 264 mm crawlers, 1 219 mm treads, 7 010 mm live mast, 16 part boom hoist reeving, boom support straps, rotating bed No. A01066¹ or No. A03188 (refer to I.D. plate at front of rotating bed) and 32 430 kg crane counterweight.

¹**WARNING:** 570 kg front counterweight is required for cranes with rotating bed No. A01066 that do not have free-fall option. Counterweight can be removed only if crane has free-fall option on both front and rear drums.



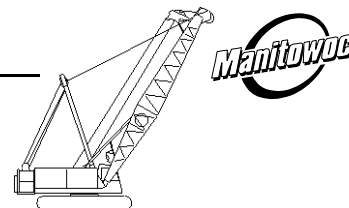
32 430 kg Crane Counterweight
4 Side Boxes

Wire Rope Guide Deduct (For Third Line)

Deduct 270 kg from boom capacities when upper wire rope guide (No. A04352) for third line is attached.

Oper. Radius Meters	Boom Angle Deg.	0 Degree Thru 1 Degree Machine List Boom Capacity Kilograms	1 Degree Thru 3 Degree Machine List Boom Capacity Kilograms
15.2m (50 Ft.) BOOM			
8.5	66.2	11 300 *	11 300 *
10.0	59.9	11 300 *	11 300 *
12.0	50.5	11 300 *	11 300 *
14.0	39.5	11 300 *	11 300 *
18.3m (60 Ft.) BOOM			
9.8	66.3	11 300 *	11 300 *
10.0	65.4	11 300 *	11 300 *
12.0	58.2	11 300 *	11 300 *
14.0	50.3	11 300 *	11 300 *
16.0	41.2	11 300 *	10 700 *
18.0	30.0	10 700 *	9 300 *

Oper. Radius Meters	Boom Angle Deg.	0 Degree Thru 1 Degree Machine List Boom Capacity Kilograms	1 Degree Thru 3 Degree Machine List Boom Capacity Kilograms
21.3m (70 Ft.) BOOM			
11.0	66.3	11 300 *	11 300 *
12.0	63.2	11 300 *	11 300 *
14.0	56.9	11 300 *	11 300 *
16.0	50.1	11 300 *	10 700 *
18.0	42.5	10 600 *	9 400 *
20.0	33.4	9 100 *	8 100 *
24.4m (80 Ft.) BOOM			
11.6	67.9	11 300 *	11 300 *
12.0	66.8	11 300 *	11 300 *
14.0	61.5	11 300 *	11 300 *
16.0	55.9	11 300 *	10 700 *
18.0	49.9	10 600 *	9 400 *
20.0	43.3	9 100 *	8 200 *
22.0	35.7	7 800 *	7 100 *
24.0	26.2	6 600 *	6 100 *



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27.4m (90 Ft.) BOOM			
13.7	65.6	11 300 *	11 300 *
14.0	65.0	11 300 *	11 300 *
16.0	60.2	11 300 *	10 700 *
18.0	55.2	10 400 *	9 300 *
20.0	49.8	8 900 *	8 000 *
22.0	44.0	7 600 *	6 800 *
24.0	37.4	6 500 *	5 800 *
26.0	29.6	5 500 *	5 000 *
30.5m (100 Ft.) BOOM			
15.2	65.1	11 300 *	11 300 *
16.0	63.5	11 300 *	10 700 *
18.0	59.1	10 400 *	9 300 *
20.0	54.6	8 900 *	7 900 *
22.0	49.8	7 600 *	6 800 *
24.0	44.5	6 500 *	5 800 *
26.0	38.8	5 600 *	4 900 *
28.0	32.1	4 700 *	4 200 *
33.5m (110 Ft.) BOOM			
15.2	67.5	11 300 *	11 300 *
16.0	66.1	11 300 *	10 600 *
18.0	62.2	10 300 *	9 000 *
20.0	58.2	8 700 *	7 600 *
22.0	54.1	7 400 *	6 500 *
24.0	49.7	6 300 *	5 600 *
26.0	45.0	5 400 *	4 700 *
28.0	39.8	4 600 *	4 000 *
30.0	34.0	3 800 *	3 300 *
32.0	27.0	3 200 *	2 800 *
36.6m (120 Ft.) BOOM			
16.8	66.9	11 200 *	9 700 *
18.0	64.7	10 100 *	8 700 *
20.0	61.2	8 500 *	7 400 *
22.0	57.5	7 300 *	6 300 *
24.0	53.7	6 200 *	5 300 *
26.0	49.6	5 300 *	4 500 *
28.0	45.3	4 400 *	3 800 *
30.0	40.6	3 700 *	3 200 *
32.0	35.5	3 100 *	2 600 *
34.0	29.5	2 500 *	2 200 *