

1015

Clamshell/Grapple Capacities

Boom No. 83A

24 040 kg Counterweight

Pedestal Mount

0 Degree thru 1 Degree and

1 Degree thru 3 Degree Machine List

360 Degree Rating

LIFTING CAPACITIES: Capacities for various boom lengths and operating radii are for freely suspended loads and are based on 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 with turntable bearing properly supported, machine list not to exceed degrees noted and gantry up. Refer to boom rigging **No. A14196** and Wire Rope Specification chart **No. 8697-B**. Crane operator judgment must be used to allow for adverse operating conditions and physical machine depreciation. Refer to Operator's Manual for operating guidelines.

OPERATING RADIUS: Operating radius is horizontal distance from axis of rotation at top of turntable bearing to center of vertical hoist line or load block. 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 2 921 mm gantry, 7 620 mm live mast, 12 part boom hoist reeving, two 38 mm pendants and 24 040 kg counterweight.

Upper Boom Point Deduct

Deduct 590 kg from capacities when upper boom point is attached.

Auxiliary Drum Deduct

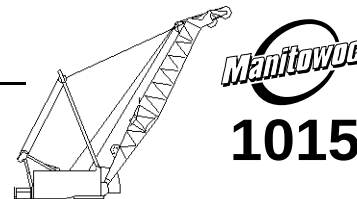
Deduct 910 kg from boom capacities when boom butt is equipped with auxiliary drum.

Wire Rope Guard Deduct

Deduct 455 kg from boom capacities when boom top is equipped with wire rope guard **No. A13283**.

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			
9,1	64,1	18 100	18 100
10,0	60,4	18 100	18 100
12,0	51,0	18 100	18 100
14,0	39,8	17 900	17 800
18,3m (60 Ft.) Boom			
9,1	68,8	18 100	18 100
10,0	65,8	18 100	18 100
12,0	58,6	18 100	18 100
14,0	50,6	17 900	17 800
16,0	41,5	16 400	15 500
18,0	30,2	14 300	13 700

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			
10,7	67,5	18 100	18 100
12,0	63,5	18 100	18 100
14,0	57,2	17 900	17 600
16,0	50,4	16 300	15 200
18,0	42,7	14 200	13 500
20,0	33,6	12 700	12 100
24,4m (80 Ft.) Boom			
12,2	66,6	18 100	18 100
14,0	61,8	17 900	17 200
16,0	56,2	16 100	14 900
18,0	50,2	14 100	13 200
20,0	43,6	12 500	11 900
22,0	35,9	11 200	10 700
24,0	26,3	10 100	9 800



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27,4m (90 Ft.) Boom			
13,7	65,9	18 100	17 100
14,0	65,2	17 800	16 800
16,0	60,5	15 900	14 700
18,0	55,4	13 900	13 000
20,0	50,1	12 400	11 700
22,0	44,2	11 100	10 500
24,0	37,6	10 100	9 600
26,0	29,7	9 100	8 800
30,5m (100 Ft.) Boom			
15,2	65,3	16 500	15 100
16,0	63,7	15 700	14 500
18,0	59,4	13 800	12 800
20,0	54,8	12 200	11 400
22,0	50,0	11 000	10 400
24,0	44,7	9 900	9 400
26,0	38,9	9 000	8 600
28,0	32,2	8 200	7 900
30,0	23,8	7 500	7 300

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
33,5m (110 Ft.) Boom			
15,2	67,7	16 400	15 000
16,0	66,3	15 600	14 300
18,0	62,4	13 700	12 600
20,0	58,5	12 200	11 300
22,0	54,3	10 900	10 200
24,0	49,9	9 900	9 300
26,0	45,1	9 000	8 500
28,0	39,9	8 200	7 800
30,0	34,1	7 500	7 200
32,0	27,1	6 900	6 600
36,6m (120 Ft.) Boom			
16,8	67,1	14 600	13 300
18,0	64,9	13 600	12 400
20,0	61,4	12 100	11 100
22,0	57,7	10 800	10 000
24,0	53,8	9 800	9 100
26,0	49,8	8 800	8 300
28,0	45,5	8 100	7 600
30,0	40,8	7 400	7 000
32,0	35,6	6 800	6 400
34,0	29,5	6 200	5 900