
1015

Clamshell/Grapple Capacities

Boom No. 83A
24 040 kg Counterweight
Pedestal Mount - Land Based
0 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.

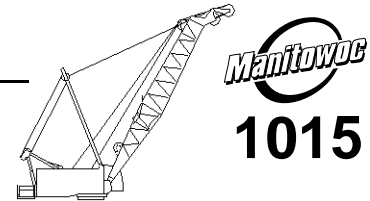
Wire Rope Guard Deduct

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 Machine List Boom Capacity Kilograms
15,2m (50 Ft.) Boom		
9,1	64,1	18 100
10,0	60,4	18 100
12,0	51,0	18 100
14,0	39,8	18 000
18,3m (60 Ft.) Boom		
9,1	68,8	18 100
10,0	65,8	18 100
12,0	58,6	18 100
14,0	50,6	18 000
16,0	41,5	16 800
18,0	30,2	14 500
21,3m (70 Ft.) Boom		
10,7	67,5	18 100
12,0	63,5	18 100
14,0	57,2	18 000
16,0	50,4	16 800
18,0	42,7	14 600
20,0	33,6	12 900

Oper. Radius Meters	Boom Angle Deg.	0 Degree Machine List Boom Capacity Kilograms
24,4m (80 Ft.) Boom		
12,2	66,6	18 100
14,0	61,8	18 000
16,0	56,2	16 700
18,0	50,2	14 500
20,0	43,6	12 800
22,0	35,9	11 500
24,0	26,3	10 300
27,4m (90 Ft.) Boom		
13,7	65,9	18 100
14,0	65,2	18 000
16,0	60,5	16 600
18,0	55,4	14 400
20,0	50,1	12 800
22,0	44,2	11 400
24,0	37,6	10 300
26,0	29,7	9 300

Oper. Radius Meters	Boom Angle Deg.	0 Degree Machine List Boom Capacity Kilograms
30,5m (100 Ft.) Boom		
15,2	65,3	17 300
16,0	63,7	16 400
18,0	59,4	14 400
20,0	54,8	12 700
22,0	50,0	11 400
24,0	44,7	10 200
26,0	38,9	9 300
28,0	32,2	8 400
30,0	23,8	7 700



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Oper. Radius Meters	Boom Angle Deg.	0 Degree Machine List Boom Capacity Kilograms
33,5m (110 Ft.) Boom		
15,2	67,7	17 200
16,0	66,3	16 400
18,0	62,4	14 300
20,0	58,5	12 700
22,0	54,3	11 300
24,0	49,9	10 200
26,0	45,1	9 300
28,0	39,9	8 400
30,0	34,1	7 700
32,0	27,1	7 000

Oper. Radius Meters	Boom Angle Deg.	0 Degree Machine List Boom Capacity Kilograms
36,6m (120 Ft.) Boom		
16,8	67,1	15 400
18,0	64,9	14 200
20,0	61,4	12 600
22,0	57,7	11 200
24,0	53,8	10 100
26,0	49,8	9 200
28,0	45,5	8 300
30,0	40,8	7 600
32,0	35,6	7 000
34,0	29,5	6 300
36,0	22,0	5 200