

1015

Clamshell/Grapple Capacities

Boom No. 83
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.

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.

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

Upper Boom Point Deduct

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

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. A06546** and Wire Rope Specification chart **No. 8474-B**. Crane operator judgment must be used to allow for adverse operating conditions and physical machine depreciation. Refer to operators manual for operating guidelines.

Auxiliary Drum Deduct

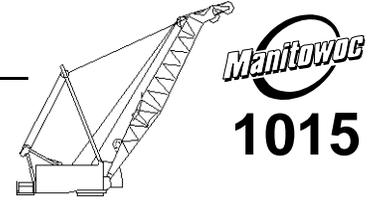
Deduct 910 kg from boom capacities when boom butt is equipped with auxiliary drum.

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.

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	17 900
16.0	41.5	16 600
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	17 900
16.0	50.4	16 500
18.0	42.7	14 400
20.0	33.6	12 800

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	17 900
16.0	56.2	16 200
18.0	50.2	14 200
20.0	43.6	12 700
22.0	35.9	11 400
24.0	26.3	10 300
27.4m (90 Ft.) Boom		
13.7	65.9	18 100
14.0	65.2	17 800
16.0	60.5	16 000
18.0	55.4	14 100
20.0	50.1	12 600
22.0	44.2	11 300
24.0	37.6	10 200
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	16 500
16.0	63.7	15 700
18.0	59.4	13 900
20.0	54.8	12 400
22.0	50.0	11 200
24.0	44.7	10 100
26.0	38.9	9 200
28.0	32.2	8 400
30.0	23.8	7 700



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33.5m (110 Ft.) Boom		
15.2	67.7	16 300
16.0	66.3	15 600
18.0	62.4	13 800
20.0	58.5	12 400
22.0	54.3	11 200
24.0	49.9	10 100
26.0	45.1	9 200
28.0	39.9	8 500
30.0	34.1	7 700
32.0	27.1	7 100

Oper. Radius Meters	Boom Angle Deg.	0 Degree Machine List Boom Capacity Kilograms
36.6m (120 Ft.) Boom		
16.8	67.1	14 600
18.0	64.9	13 700
20.0	61.4	12 200
22.0	57.7	11 000
24.0	53.8	10 000
26.0	49.8	9 100
28.0	45.5	8 300
30.0	40.8	7 600
32.0	35.6	7 000
34.0	29.5	6 500