

1015

Clamshell/Grapple Capacities

Boom No. 83
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. 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.

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

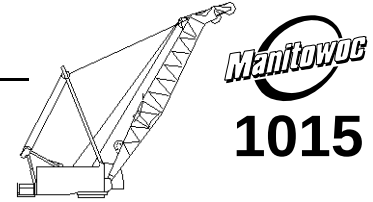
Deduct 590 kg from capacities when upper boom point is attached.

Auxiliary Drum Deduct

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

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	18 000	17 900
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	17 900
16.0	41.5	16 500	16 300
18.0	30.2	14 400	14 300

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			
10.7	67.5	18 100	18 100
12.0	63.5	18 100	18 100
14.0	57.2	17 900	17 800
16.0	50.4	16 300	16 000
18.0	42.7	14 300	14 200
20.0	33.6	12 800	12 700
24.4m (80 Ft.) Boom			
12.2	66.6	18 100	18 100
14.0	61.8	17 800	17 800
16.0	56.2	16 000	15 600
18.0	50.2	14 200	13 900
20.0	43.6	12 700	12 500
22.0	35.9	11 300	11 300
24.0	26.3	10 300	10 200



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27.4m (90 Ft.) Boom			
13.7	65.9	18 100	17 500
14.0	65.2	17 800	17 300
16.0	60.5	15 700	15 300
18.0	55.4	14 000	13 700
20.0	50.1	12 500	12 300
22.0	44.2	11 300	11 100
24.0	37.6	10 200	10 100
26.0	29.7	9 300	9 200
30.5m (100 Ft.) Boom			
15.2	65.3	16 200	15 600
16.0	63.7	15 500	15 000
18.0	59.4	13 700	13 400
20.0	54.8	12 300	12 100
22.0	50.0	11 100	10 900
24.0	44.7	10 100	10 000
26.0	38.9	9 200	9 100
28.0	32.2	8 400	8 300
30.0	23.8	7 700	7 600

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	15 600	14 200
16.0	66.3	15 100	14 000
18.0	62.4	13 700	13 200
20.0	58.5	12 300	12 000
22.0	54.3	11 100	10 900
24.0	49.9	10 100	9 900
26.0	45.1	9 200	9 100
28.0	39.9	8 400	8 300
30.0	34.1	7 700	7 700
32.0	27.1	7 100	7 100
36.6m (120 Ft.) Boom			
16.8	67.1	14 400	13 100
18.0	64.9	13 500	12 700
20.0	61.4	12 100	11 700
22.0	57.7	10 900	10 700
24.0	53.8	9 900	9 700
26.0	49.8	9 000	8 900
28.0	45.5	8 300	8 200
30.0	40.8	7 600	7 500
32.0	35.6	7 000	7 000
34.0	29.5	6 500	6 400