

Liftcrane Boom Capacities

Bulk Material Handling

2250 SERIES 1

Boom No. 44 With Heavy Lift Top
76 750 kg Counterweight
Pedestal Mount - 0 Degree Machine List

LIFTING CAPACITIES: Lifting 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 in a level position on a firm uniformly supporting surface with turntable bearing properly supported and gantry up. Refer to boom rigging **No. 179809**, Wire Rope Specification chart **No. 8068-A** and Counterweight Arrangement chart

No. 8026-A. Crane operator judgment must be used to allow for adverse operating conditions and physical machine depreciation.

OPERATING RADIUS: Operating radius is horizontal distance from axis of rotation to center of gravity of 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 8 534 mm retractable gantry, 12 part boom hoist reeving, boom support straps and 76 750 kg counterweight.

Oper. Rad. Meters	Boom Ang. Deg.	Boom Capacity Kilograms
21.3m (70 Ft.) BOOM		
9.1	73.8	18 100
10.0	71.4	18 100
12.0	65.5	18 100
14.0	59.3	18 100
16.0	52.6	18 100
18.0	45.2	18 100
24.4m (80 Ft.) BOOM		
9.1	75.9	18 100
10.0	73.8	18 100
12.0	68.8	18 100
14.0	63.5	18 100
16.0	58.0	18 100
18.0	52.2	18 100
20.0	45.7	18 100
22.0	38.4	18 100
27.4m (90 Ft.) BOOM		
10.7	74.2	18 100
12.0	71.2	18 100
14.0	66.7	18 100
16.0	62.0	18 100
18.0	57.1	18 100
20.0	51.8	18 100
22.0	46.1	18 100
24.0	39.7	18 100

Oper. Rad. Meters	Boom Ang. Deg.	Boom Capacity Kilograms
30.5m (100 Ft.) BOOM		
10.7	75.8	18 100
12.0	73.2	18 100
14.0	69.2	18 100
16.0	65.1	18 100
18.0	60.8	18 100
20.0	56.3	18 100
22.0	51.5	18 100
24.0	46.4	18 100
26.0	40.8	18 100
28.0	34.4	18 100
33.5m (110 Ft.) BOOM		
12.2	74.4	18 100
14.0	71.2	18 100
16.0	67.5	18 100
18.0	63.7	18 100
20.0	59.7	18 100
22.0	55.6	18 100
24.0	51.3	18 100
26.0	46.7	18 100
28.0	41.6	18 100
30.0	36.0	17 800

Oper. Rad. Meters	Boom Ang. Deg.	Boom Capacity Kilograms
36.6m (120 Ft.) BOOM		
12.2	75.8	18 100
14.0	72.8	18 100
16.0	69.5	18 100
18.0	66.0	18 100
20.0	62.5	18 100
22.0	58.9	18 100
24.0	55.1	18 100
26.0	51.1	18 100
28.0	46.9	18 100
30.0	42.3	18 000
32.0	37.2	16 100
39.6m (130 Ft.) BOOM		
13.7	74.6	18 100
14.0	74.2	18 100
16.0	71.1	18 100
18.0	68.0	18 100
20.0	64.8	18 100
22.0	61.5	18 100
24.0	58.2	18 100
26.0	54.6	18 100
28.0	50.9	18 100
30.0	47.0	18 100
32.0	42.8	16 600
34.0	38.3	14 400
36.0	33.1	12 400

Oper. Rad. Meters	Boom Ang. Deg.	Boom Capacity Kilograms
42.7m (140 Ft.) BOOM		
13.7	75.7	18 100
14.0	75.3	18 100
16.0	72.5	18 100
18.0	69.7	18 100
20.0	66.7	18 100
22.0	63.8	18 100
24.0	60.7	18 100
26.0	57.5	18 100
28.0	54.2	18 100
30.0	50.8	18 100
32.0	47.2	16 600
34.0	43.3	14 400
36.0	39.1	12 500
38.0	34.5	10 800