

Liftcrane Boom Capacities

Bulk Material Handling

Boom No. 44 With Heavy Lift Top
75 750 kg Counterweight
360 Degree Rating

LIFTING CAPACITIES: Lifting capacities for various boom lengths and operating radii are for freely suspended loads and do not exceed 75% of a static tipping load. Capacities are based on tipping, 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 gantry up. Refer to boom rigging **No. 172610** or **No. 179809**, Wire Rope Specification chart **No. 7979-A** and Counterweight Arrangement chart **No. 7692-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 9 373 mm crawlers, 1 219 mm treads, 8 534 mm retractable gantry, 12 part boom hoist reeving, four 38 mm boom pendants or boom support straps, and 75 750 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 *