

Clamshell/Grapple Capacities

2250 SERIES 1

Boom No. 44 With Heavy Lift Top
48 580 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 67.5% 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. 179809**, Wire Rope Specification chart **No. 8152-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 9 373 mm crawlers, 1 219 mm treads, 8 534 mm retractable gantry, 12 part boom hoist reeving, boom support straps and 48 580 kg counterweight.

Oper. Rad. Meters	Boom Ang. Deg.	Boom Capacity Kilograms
21.3m (70 Ft.) BOOM		
10.7	69.4	14 500 *
12.0	65.5	14 500 *
14.0	59.3	14 500 *
16.0	52.6	14 500 *
18.0	45.2	14 500 *
20.0	36.6	14 500 *
24.4m (80 Ft.) BOOM		
12.2	68.3	14 500 *
14.0	63.5	14 500 *
16.0	58.0	14 500 *
18.0	52.2	14 500 *
20.0	45.7	14 500 *
22.0	38.4	14 500 *
24.0	29.5	14 500 *
27.4m (90 Ft.) BOOM		
13.7	67.4	14 500 *
14.0	66.7	14 500 *
16.0	62.0	14 500 *
18.0	57.1	14 500 *
20.0	51.8	14 500 *
22.0	46.1	14 500 *
24.0	39.7	14 500 *
26.0	32.3	14 500 *

Oper. Rad. Meters	Boom Ang. Deg.	Boom Capacity Kilograms
30.5m (100 Ft.) BOOM		
15.2	66.6	14 500 *
16.0	65.1	14 500 *
18.0	60.8	14 500 *
20.0	56.3	14 500 *
22.0	51.5	14 500 *
24.0	46.4	14 500 *
26.0	40.8	14 500 *
28.0	34.4	14 500 *
30.0	26.6	14 500 *
33.5m (110 Ft.) BOOM		
16.8	66.0	14 500 *
18.0	63.7	14 500 *
20.0	59.7	14 500 *
22.0	55.6	14 500 *
24.0	51.3	14 500 *
26.0	46.7	14 500 *
28.0	41.6	14 500 *
30.0	36.0	14 500 *
32.0	29.3	14 500 *

Oper. Rad. Meters	Boom Ang. Deg.	Boom Capacity Kilograms
36.6m (120 Ft.) BOOM		
18.3	65.5	14 500 *
20.0	62.5	14 500 *
22.0	58.9	14 500 *
24.0	55.1	14 500 *
26.0	51.1	14 500 *
28.0	46.9	14 500 *
30.0	42.3	14 500 *
32.0	37.2	14 200
34.0	31.5	12 800
39.6m (130 Ft.) BOOM		
19.8	65.1	14 500 *
20.0	64.8	14 500 *
22.0	61.5	14 500 *
24.0	58.2	14 500 *
26.0	54.6	14 500 *
28.0	50.9	14 500 *
30.0	47.0	14 500 *
32.0	42.8	14 200
34.0	38.3	12 800
36.0	33.1	11 600
38.0	27.2	10 500

Oper. Rad. Meters	Boom Ang. Deg.	Boom Capacity Kilograms
42.7m (140 Ft.) BOOM		
19.8	67.0	14 500 *
20.0	66.7	14 500 *
22.0	63.8	14 500 *
24.0	60.7	14 500 *
26.0	57.5	14 500 *
28.0	54.2	14 500 *
30.0	50.8	14 500 *
32.0	47.2	14 000
34.0	43.3	12 600
36.0	39.1	11 300
38.0	34.5	10 200
40.0	29.3	9 300