

Liftcrane Boom Capacities Bulk Material Handling

2250 SERIES 1

22 600 kg Rating
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 with turntable bearing properly supported and gantry up. 0 degree machine list must not exceed 0.5 degrees. Refer to boom rigging No. 193048, Wire Rope Specification chart No. 8111-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, **independently powered full width front and rear drums**, dual swing drive, 12 part boom hoist reeving, four 38 mm single length boom pendants and 76 750 kg counterweight.

Oper. Rad. Meters	Boom Ang. Deg.	Boom Capacity Kilograms
21.3m (70 Ft.) BOOM		
12.2	67.0	22 600
14.0	61.9	22 600
16.0	55.9	22 600
18.0	49.4	22 600
20.0	42.2	22 600
22.0	33.6	22 600
24.4m (80 Ft.) BOOM		
13.7	66.2	22 600
14.0	65.5	22 600
16.0	60.4	22 600
18.0	55.1	22 600
20.0	49.3	22 600
22.0	43.0	22 600
24.0	35.8	22 600
27.4m (90 Ft.) BOOM		
15.2	65.5	22 600
16.0	63.8	22 600
18.0	59.3	22 600
20.0	54.4	22 600
22.0	49.3	22 600
24.0	43.7	22 600
26.0	37.4	22 600
28.0	30.0	21 600

Oper. Rad. Meters	Boom Ang. Deg.	Boom Capacity Kilograms
30.5m (100 Ft.) BOOM		
15.2	68.0	22 600
16.0	66.5	22 600
18.0	62.5	22 600
20.0	58.3	22 600
22.0	53.9	22 600
24.0	49.3	22 600
26.0	44.2	22 600
28.0	38.7	22 100
30.0	32.3	19 700
33.5m (110 Ft.) BOOM		
16.8	67.3	22 600
18.0	65.1	22 600
20.0	61.4	22 600
22.0	57.5	22 600
24.0	53.5	22 600
26.0	49.3	22 600
28.0	44.7	22 400
30.0	39.7	20 400
32.0	34.1	17 300

Oper. Rad. Meters	Boom Ang. Deg.	Boom Capacity Kilograms
36.6m (120 Ft.) BOOM		
18.3	66.7	22 600
20.0	63.9	22 600
22.0	60.4	22 600
24.0	56.9	22 600
26.0	53.2	22 600
28.0	49.2	22 600
30.0	45.0	21 000
32.0	40.5	18 100
34.0	35.5	15 700
36.0	29.7	13 500
39.6m (130 Ft.) BOOM		
19.8	66.3	22 600
20.0	66.0	22 600
22.0	62.9	22 600
24.0	59.6	22 600
26.0	56.3	22 600
28.0	52.9	22 600
30.0	49.2	21 200
32.0	45.4	18 400
34.0	41.2	16 000
36.0	36.7	13 800
38.0	31.6	11 900

Oper. Rad. Meters	Boom Ang. Deg.	Boom Capacity Kilograms
42.7m (140 Ft.) BOOM		
19.8	68.0	22 600
20.0	67.7	22 600
22.0	64.9	22 600
24.0	62.0	22 600
26.0	58.9	22 600
28.0	55.8	22 600
30.0	52.6	21 400
32.0	49.2	18 700
34.0	45.6	16 200
36.0	41.8	14 100
38.0	37.6	12 200
40.0	33.1	10 500
42.0	27.8	8 900