

Clamshell/Grapple Capacities

999 SERIES 1

Boom No. 82 or 22EL
51 980 kg Counterweight
360 Degree Rating

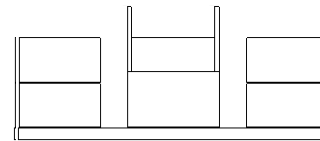
LIFTING CAPACITIES: Capacities for various boom lengths and operating radii are for freely suspended loads and do not exceed 67.5% of a static tipping load. Capacities are based on tipping, structural competence (*), operating speeds and other factors.

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. 195459** or **No. A17399** (No. 82), or **No. 195890** (No. 22EL) and Wire Rope Specification chart **No. 8223-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 to the center of gravity of the 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 8 585 mm crawlers, 1 219 mm treads, 3 124 mm retractable gantry, 9 144 mm live mast, 20 part boom hoist reeving, boom support straps or four 35 mm boom pendants and 51 980 kg counterweight.



51 980 kg Crane Counterweight
4 Side Boxes - 1 Center Box

Wire Rope Guard Roller Deduct

Deduct 180 kg from boom capacities when wire rope guard timbers are replaced with rollers.

Oper. Radius Meters	Boom Angle Deg.	Boom Capacity Kilograms
21.3m (70 Ft.) BOOM		
10.7	67.5	13 600 *
11.0	66.5	13 600 *
12.0	63.5	13 600 *
13.0	60.4	13 600 *
14.0	57.2	13 600 *
15.0	53.9	13 600 *
16.0	50.4	13 600 *
18.0	42.8	13 600 *
20.0	33.8	13 600 *
24.4m (80 Ft.) BOOM		
12.2	66.6	13 600 *
13.0	64.5	13 600 *
14.0	61.8	13 600 *
15.0	59.1	13 600 *
16.0	56.2	13 600 *
18.0	50.2	13 600 *
20.0	43.6	13 600 *
22.0	36.0	13 600 *

Oper. Radius Meters	Boom Angle Deg.	Boom Capacity Kilograms
27.4m (90 Ft.) BOOM		
13.7	65.9	13 600 *
14.0	65.2	13 600 *
15.0	62.9	13 600 *
16.0	60.5	13 600 *
18.0	55.5	13 600 *
20.0	50.1	13 600 *
22.0	44.3	13 600 *
24.0	37.7	13 600 *
30.5m (100 Ft.) BOOM		
13.7	68.4	13 600 *
14.0	67.9	13 600 *
15.0	65.8	13 600 *
16.0	63.7	13 600 *
18.0	59.4	13 600 *
20.0	54.8	13 600 *
22.0	50.0	13 600 *
24.0	44.8	13 600 *
26.0	39.0	13 300
28.0	32.3	11 600

Oper. Radius Meters	Boom Angle Deg.	Boom Capacity Kilograms
33.5m (110 Ft.) BOOM		
15.2	67.7	13 600 *
16.0	66.3	13 600 *
18.0	62.4	13 600 *
20.0	58.5	13 600 *
22.0	54.3	13 600 *
24.0	49.9	13 600 *
26.0	45.2	13 200
28.0	40.0	11 600
30.0	34.2	10 200
32.0	27.3	9 000

Oper. Radius Meters	Boom Angle Deg.	Boom Capacity Kilograms
36.6m (120 Ft.) BOOM		
16.8	67.1	13 600 *
18.0	64.9	13 600 *
20.0	61.4	13 600 *
22.0	57.7	13 600 *
24.0	53.9	13 600 *
26.0	49.8	13 100
28.0	45.5	11 500
30.0	40.8	10 100
32.0	35.7	9 000
34.0	29.7	7 900