



Liftcrane Boom Capacities Bulk Material Handling

2250 SERIES 1

50,000 Lb. Rating
Boom No. 44 With Heavy Lift Top
169,200 Lb. 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 28 Ft. retractable gantry, **independently powered full width front and rear drums**, dual swing drive, 12 part boom hoist reeving, four 1-1/2 in. single length boom pendants and 169,200 Lb. counterweight.

Oper. Rad. Feet	Boom Ang. Deg.	Boom Capacity Pounds
70 Ft. BOOM		
40	67.0	50,000
45	62.7	50,000
50	58.2	50,000
55	53.5	50,000
60	48.4	50,000
65	42.9	50,000
70	36.7	50,000
75	29.2	50,000
80 Ft. BOOM		
45	66.2	50,000
50	62.4	50,000
55	58.4	50,000
60	54.3	50,000
65	49.9	50,000
70	45.2	50,000
75	40.1	50,000
80	34.3	50,000
85	27.3	50,000
90 Ft. BOOM		
50	65.5	50,000
55	62.1	50,000
60	58.6	50,000
65	54.9	50,000
70	51.1	50,000
75	47.0	50,000
80	42.6	50,000
85	37.7	50,000
90	32.3	50,000
95	25.7	44,200

Oper. Rad. Feet	Boom Ang. Deg.	Boom Capacity Pounds
100 Ft. BOOM		
50	68.0	50,000
55	65.0	50,000
60	61.9	50,000
65	58.7	50,000
70	55.4	50,000
75	52.0	50,000
80	48.3	50,000
85	44.5	50,000
90	40.3	50,000
95	35.8	47,000
100	30.6	41,600
110 Ft. BOOM		
55	67.3	50,000
60	64.6	50,000
65	61.7	50,000
70	58.8	50,000
75	55.8	50,000
80	52.7	50,000
85	49.5	50,000
90	46.0	50,000
95	42.4	48,400
100	38.4	43,100
105	34.1	38,300
110	29.1	34,000

Oper. Rad. Feet	Boom Ang. Deg.	Boom Capacity Pounds
120 Ft. BOOM		
60	66.7	50,000
65	64.2	50,000
70	61.6	50,000
75	58.9	50,000
80	56.2	50,000
85	53.3	50,000
90	50.4	50,000
95	47.3	50,000
100	44.0	44,900
105	40.5	40,100
110	36.7	35,900
115	32.6	32,000
120	27.9	28,500
130 Ft. BOOM		
65	66.3	50,000
70	63.9	50,000
75	61.5	50,000
80	59.0	50,000
85	56.5	50,000
90	53.9	50,000
95	51.1	50,000
100	48.3	45,500
105	45.3	40,700
110	42.2	36,500
115	38.9	32,700
120	35.3	29,300
125	31.3	26,100
130	26.8	23,100

Oper. Rad. Feet	Boom Ang. Deg.	Boom Capacity Pounds
140 Ft. BOOM		
65	68.0	50,000
70	65.8	50,000
75	63.6	50,000
80	61.4	50,000
85	59.1	50,000
90	56.7	50,000
95	54.3	50,000
100	51.8	46,000
105	49.2	41,300
110	46.5	37,100
115	43.6	33,300
120	40.6	29,900
125	37.4	26,700
130	34.0	23,900
135	30.1	21,200
140	25.8	18,700