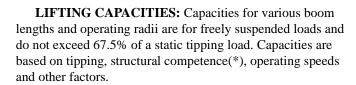
Dynamic Compaction Capacities

Boom No. 83A 53,000 Lb. Counterweight 23 Ft. 6 in. Crawlers Extended 360 Degree Rating



A dynamic compaction mode must be selected to operate. Minimum boom angle for dynamic compaction operation is 60 degrees.

Weight of compaction equipment 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. A14196 and Wire Rope Specification chart No. 8714-A. Crane operator judgment must be used to allow for adverse operating conditions and physical machine depreciation. Refer to Operator's Manual for operating guidelines.



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 23 Ft. 6 in. extendible crawlers, 39-3/8 in. treads, 9 Ft. 7 in. gantry, 25 Ft. live mast, 12 part boom hoist reeving, wire rope guide (No. A10525) on boom top, two 1-1/2 in. pendants and 53,000 Lb. counterweight.

Auxiliary Drum Deduct

Deduct 2,000 Lbs. from boom capacities when boom butt is equipped with auxiliary

Oper. Rad. Feet	Boom Ang. Deg.	Boom Capacity Pounds	
50 Ft. Boom			
30	64.1	66,000 *	
35	57.4	62,300	
60 Ft. Boom			
30	68.8	66,000 *	
35	63.4	62,000	
40	57.8	51,600	

Oper.	Boom	Boom		
Rad.	Ang.	Capacity		
Feet	Deg.	Pounds		
70 Ft. Boom				
30	72.0	66,000 *		
35	67.5	61,500		
40	62.9	51,300		
45	58.1	43,600		
80 Ft. Boom				
25	78.0	66,000 *		
30	74.3	66,000 *		
35	70.5	60,500		
40	66.6	50,400		
45	62.6	42,900		
43	02.0	42,900		

Oper. Rad. Feet	Boom Ang. Deg.	Boom Capacity Pounds			
90	90 Ft. Boom				
25	79.4	66,000 *			
30	76.1	66,000 *			
35	72.8	59,900			
40	69.4	49,900			
45	65.9	42,400			
50	62.3	36,600			
55	58.6	31,900			
100 Ft. Boom					
25	80.4	66,000 *			
30	77.5	66,000 *			
35	74.5	59,300			
40	71.5	49,400			
45	68.4	41,900			
50	65.3	36,100			
55	62.1	31,500			
60	58.7	27,700			

Oper. Rad. Feet	Boom Ang. Deg.	Boom Capacity Pounds
110) Ft.	Boom
30	78.7	66,000 *
35	76.0	58,700
40	73.3	48,900
45	70.5	41,600
50	67.7	35,800
55	64.8	31,200
60	61.9	27,500
65	58.8	24,300
		Boom
120) Ft.]	Boom
120	79.6	Boom 66,000 *
120 30 35	79.6 77.2	Boom 66,000 * 58,100
30 35 40	79.6 77.2 74.7	Boom 66,000 * 58,100 48,400 41,000
30 35 40 45	79.6 77.2 74.7 72.2	Boom 66,000 * 58,100 48,400
30 35 40 45 50	79.6 77.2 74.7 72.2 69.7	Boom 66,000 * 58,100 48,400 41,000 35,300
30 35 40 45 50 55	79.6 77.2 74.7 72.2 69.7 67.1	Boom 66,000 * 58,100 48,400 41,000 35,300 30,700
30 35 40 45 50 55 60	79.6 77.2 74.7 72.2 69.7 67.1 64.4	Boom 66,000 * 58,100 48,400 41,000 35,300 30,700 27,000