Mantovor

Clamshell/Grapple Capacities

999 SERIES 1

Boom No. 22E With Open Throat Top 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.

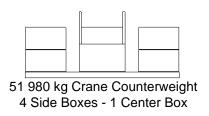
OPERATING CONDITIONS: Machine to operate in a level position on a firm uniformly supporting surface with gantry up. Refer to boom rigging **No. 196151** and Wire Rope Specification chart **No. 8223-B**. Crane operator judgment must be used to allow for adverse operating conditions and physical machine depreciation. <u>Refer to operators manual for operating guidelines</u>.

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.

Oper. Radius Meters	Boom Angle Deg.	Boom Capacity Kilograms		
21.3m (70 Ft.)				
BOOM				
10.7	67.1	13 600 *		
11.0	66.2	13 600 *		
12.0	63.4	13 600 *		
13.0	60.5	13 600 *		
14.0	57.5	13 600 *		
16.0	51.3	13 600 *		
18.0	44.4	13 600 *		
20.0	36.5	13 600 *		
24.4m (80 Ft.)				
BOOM				
12.2	66.3	13 600 *		
13.0	64.3	13 600 *		
14.0	61.8	13 600 *		
16.0	56.6	13 600 *		
18.0	51.0	13 600 *		
20.0	44.9	13 600 *		
22.0	38.2	13 600 *		
24.0	30.2	13 600 *		

Oper. Radius Meters	Boom Angle Deg.	Boom Capacity Kilograms			
27.	27.4m (90 Ft.)				
	BOOM				
13.7	65.7	13 600 *			
14.0	65.0	13 600 *			
16.0	60.5	13 600 *			
18.0	55.8	13 600 *			
20.0	50.8	13 600 *			
22.0	45.4	13 600 *			
24.0	39.4	13 600 *			
26.0	32.6	13 500			
30.5m (100 Ft.)					
	BOOM				
13.7	68.1	13 600 *			
14.0	67.6	13 600 *			
16.0	63.6	13 600 *			
18.0	59.5	13 600 *			
20.0	55.2	13 600 *			
22.0	50.6	13 600 *			
24.0	45.7	13 600 *			
26.0	40.4	13 500			
28.0	34.5	12 500			
30.0	27.4	11 100			

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, four 35 mm boom pendants and 51 980 kg counterweight.



Auxiliary Drum Deduct

Deduct 1 810 kg From Boom Capacities When Boom Butt Is Equipped With Auxiliary Drum.

Oper. Radius Meters	Boom Angle Deg.	Boom Capacity Kilograms		
33.5m (110 Ft.)				
BOOM				
15.2	67.4	13 600 *		
16.0	66.1	13 600 *		
18.0	62.4	13 600 *		
20.0	58.6	13 600 *		
22.0	54.6	13 600 *		
24.0	50.5	13 600 *		
26.0	46.0	13 500		
28.0	41.2	12 300		
30.0	35.9	10 900		
32.0	29.9	9 800		

Oper. Radius Meters	Boom Angle Deg.	Boom Capacity Kilograms		
36.6m (120 Ft.)				
BOOM				
16.8	66.9	13 600 *		
18.0	64.8	13 600 *		
20.0	61.4	13 600 *		
22.0	57.9	13 600 *		
24.0	54.2	13 600 *		
26.0	50.4	13 500		
28.0	46.3	12 200		
30.0	41.9	10 800		
32.0	37.1	9 700		
34.0	31.8	8 700		