

# Liftcrane Boom Butt Handling Capacities

## MLC80A-1

Operating Limits for Crane Assembly  
Drum 1 only - Crawlers Extended  
360 Degree Rating

**HANDLING CAPACITIES:** Handling capacities are for crane self-assembly using boom butt guide sheave. Weight of weight ball, slings, hoist lines, etc., beneath boom butt guide sheave is considered part of load. Where no capacity is shown, operation is not intended or approved.

**OPERATING CONDITIONS:** Machine to operate on firm, level and uniformly supporting surface. Crane operator judgment must be used to allow for dynamic load effects of swinging, hoisting or lowering, travel, wind conditions, as well as adverse operating conditions and physical machine depreciation. Refer to the Operator Manual for operating guidelines.

**MACHINE EQUIPMENT:** Machine equipped with 6 480 mm crawlers, 900 mm treads, 4 390 mm gantry, 8 part boom hoist reeving, and equalizer pinned to boom butt machine must be equipped with 0 kg crane counterweight and 0 kg carbody counterweight; 0 kg crane counterweight and 10 500 kg carbody counterweight; 20 610 kg crane counterweight and 0 kg carbody counterweight; or 33 120 kg crane counterweight and 10 500 kg carbody counterweight.

**OPERATING RADIUS:** Operating radius is horizontal distance from axis of rotation to center of vertical hoist line. Boom angle in degrees (°) is angle between horizontal and centerline of boom butt, and is an indication of operating radius. In all cases, operating radius shall govern capacity.

6,0 m Boom Butt		
Operating Radius Meters	Boom Angle Degrees	Capacity Kilograms
2,5	83,0	8 600
3,0	78,0	8 600
3,5	72,4	8 600
4,0	66,6	8 600
4,5	60,5	8 600
5,0	53,9	8 600
5,5	46,5	8 600
6,0	37,8	8 600

**Caution:** Boom butt handling is restricted to drum 1 only. Use of any other drum may prevent the boom from lowering and boom hoist wire rope may go slack causing wire rope damage or failure.