

Liftcrane Mast Handling Capacities

Mast No. M10:503 or Mast No. M11:503
Operating Limits for Crane Assembly
360 Degree Rating

MLC300 VPC-MAX

HANDLING CAPACITIES: Weight of rigging tackle beneath equalizer sheaves is considered part of load. Equalizer and hoist line weight has been included in capacity determination. Where no capacity is shown, operation is not intended nor approved.

OPERATING CONDITIONS: Machine to operate on firm, level and uniformly supporting surface. Refer to Mast Rigging **No. 81025690** or **No. 84045340** and Counterweight Arrangement **No. 9345-A**. 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 VPC-MAX, 31 ft 10 in. crawlers, 48 in. or 60 in. treads, 30 ft live mast, 98.4 ft mast, 24 part boom hoist reeving, mast support straps, and either 297,800 lb SERIES 1 VPC (Variable Position Counterweight), 386,000 lb SERIES 2 VPC, or 474,100 lb SERIES 3 VPC.

OPERATING RADIUS: Operating radius is horizontal distance from axis of rotation to center of vertical hoist line or equalizer. Mast angle in degrees is angle between horizontal and centerline of mast butt and inserts, and is an indication of operating radius. In all cases, operating radius shall govern capacity.

WARNING: Do not exceed mast angle of 67.8 degrees without attaching boom to machine and connecting equalizer to boom straps. *Crane could tip.*

98.4 ft Mast		
Operating Radius	Mast Angle	Handling Capacity
Feet	Degrees	Pounds
40	67.8	70,000
45	64.6	70,000
50	61.4	70,000
55	58.0	70,000
60	54.5	70,000
65	50.8	70,000
70	47.0	70,000
75	42.8	70,000
80	38.4	70,000
85	33.4	70,000
90	27.7	70,000
95	20.6	70,000