

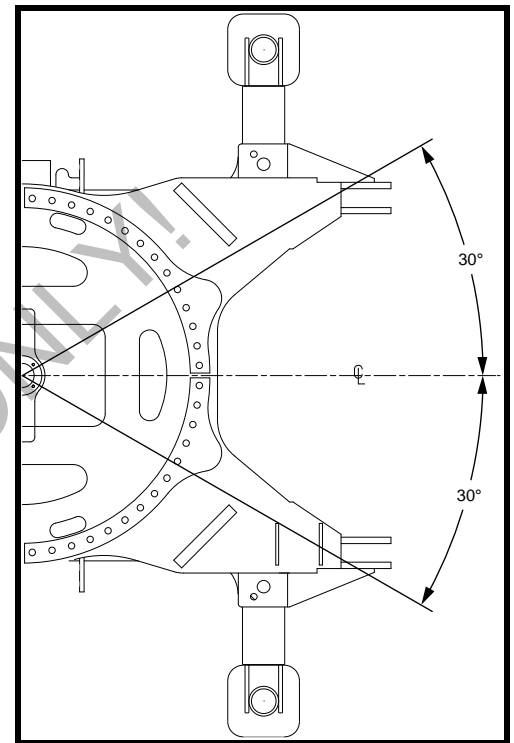
# Liftcrane Mast Handling Capacities

## MLC165-1

Operating limits for crane assembly  
Weight of hooks and chains is part of load  
Mast angles in table measured from transport position

23.6 ft Mast			
Operating Radius	Mast Angle	Crane on Jacks	Crane on Crawlers
Feet	Degrees	Pounds	Pounds
6	96.2	42,000	42,000
7	98.7	42,000	42,000
8	101.3	42,000	42,000
9	103.9	42,000	42,000
10	106.6	42,000	42,000
11	109.3	42,000	42,000
12	112.0	42,000	42,000
13	114.8	42,000	42,000
14	117.7	41,200	42,000
15	120.6		42,000
16	123.7		42,000
17	126.9		42,000
18	130.2		42,000
19	133.7		42,000
20	137.5		42,000
21	141.5		42,000
22	146.0		42,000
23	151.2		42,000

Swing Diagram



### Operating Restrictions on Jacks (four jacks, no crawlers)

- 6 ft to 14 ft operating radius — 360 degree swing permitted for handling loads.
- 14 ft to 23 ft operating radius — 360 degree swing permitted for handling hooks and chains.

### Operating Restrictions on Jacks with One Crawler Installed (four jacks, one crawler installed)

- 6 ft to 14 ft operating radius — 30 degree swing either side of center permitted until crawler is set on ground for handling loads. Refer to swing diagram.
- 14 ft to 23 ft operating radius — 30 degree swing either side of center permitted until crawler is set on ground for handling hooks and chains. Refer to swing diagram.

### Operating Restrictions on Jacks and One Crawler Down (two jacks with one crawler on ground)

- 6 ft to 14 ft operating radius — 360 degree swing permitted for handling loads.
- 14 ft to 23 ft operating radius — 360 degree swing permitted for handling hooks and chains.

### Operating Restrictions on Crawlers

- 6 ft to 23 ft operating radius — 360 degree swing permitted for handling loads.