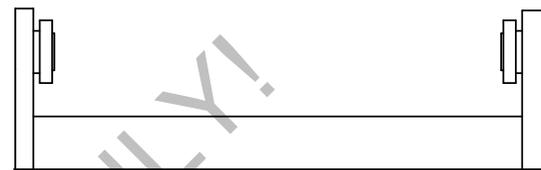


# Liftcrane Mast Handling Capacities

## MLC300

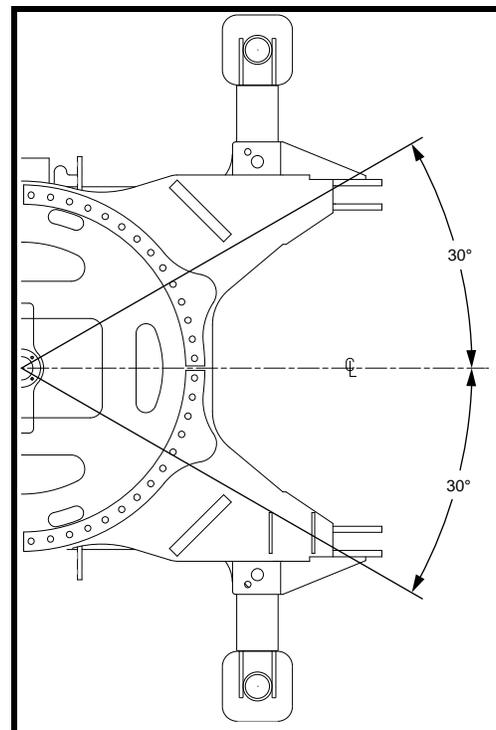
Operating limits for crane assembly  
 With or without VPC Trolley in shipping position  
 Weight of shackles and slings is part of load  
 Mast angles in table measured from transport position

30.0 ft Mast				
Operating Radius	Mast Angle	Crane on Jacks	Crane on Jacks with one crawler on ground	Crane on Crawlers
Feet	Degrees	Pounds	Pounds	Pounds
10	102.8	80,000	80,000	80,000
11	104.9	80,000	80,000	80,000
12	107.0	80,000	80,000	80,000
13	109.1	80,000	80,000	80,000
14	111.3	80,000	80,000	80,000
15	113.4	80,000	80,000	80,000
16	115.7	80,000	80,000	80,000
17	117.9	80,000	80,000	80,000
18	120.3	75,200	80,000	80,000
19	122.6	68,300	80,000	80,000
20	125.1	62,400	80,000	80,000
21	127.6		80,000	80,000
22	130.3		80,000	80,000
23	133.0		76,100	80,000
24	135.9		70,800	80,000
25	138.9		66,200	80,000
26	142.2		62,000	80,000



**VPC Trolley**  
6,800 lb

**Swing Diagram**



### Operating Restrictions on Jacks

10 ft to 20 ft operating radius —  
 Operating range for handling loads with mast - 30 degree swing either side of center permitted. Refer to swing diagram.

20 ft to 26 ft operating radius —  
 Handling of assembly cylinder and lifting slings only—  
 drum operation permitted—30 degree swing either side of center permitted. Refer to swing diagram.

Greater than 26 ft operating radius —  
 Boom hoist drum operation not permitted (mast hoist interference).

### Operating Restriction with One Crawler and Two Jacks (crawler on ground) or on Crawlers

10 ft to 26 ft operating radius —  
 Operating range for handling loads with mast - 360 degree swing permitted.

Greater than 26 ft operating radius —  
 Boom hoist drum operation not permitted (mast hoist interference).