

Knuckle Jib Marine Crane



Technical Specification – HMC LK Crane

Knuckle Jib Marine Crane



Hoisting capacity:

2 – 12 tonnes

JIB radius:

8 – 20 m

Hoisting speed:

14 – 20 m/min

MacGregor's shipboard Knuckle Jib cranes are designed for safe and reliable general load handling on vessels in extreme marine working environment. It compact in design and cover large area on vessel platform with its knuckle jib. It also reduces the wire pendulum, thus the risk of damage caused by swinging loads is then reduced.

The lifting capacity of standard cranes ranges from 2 tonnes to 12 tonnes, with outreaches of up to 20m. Higher capacities are available upon request.

The crane is controlled from an operator's platform above the slewing ring, with radio remote control available as an option.

The crane control is designed to provide smooth and precise movement of all crane motions. Two motions can be performed simultaneously with reduced speeds.

The stowing space for a knuckle jib crane is more compact than a normal luffing jib crane with the same outreach.

Standard features:

- Self-contained with integrated electro-hydraulic power pack
- Precise stepless speed control
- Easy maintenance
- 360 degree continuous slewing
- Emergency lowering

Optional features:

- Star-delta starter for low starting currents
- Limit switches for slewing and hoisting
- External power pack
- Floodlights
- Portable radio electric remote control unit
- Different pedestal heights
- SUS fitting
- Enclosed operator cabin
- Design for extreme low temperatures (arctic climate)
- Personnel handling (main riding)
- Load monitoring system
- Dacon rescue scoop, and rescue basket
- Other features available upon request



Technical specifications:

Model	Lifting Capacity SWL (tonnes)	Maximum Radius (m)	Hook Speed (m/min)	Hook Travel (m)	Number of Rope Falls	Slewing Speed (rpm)	Continuous Duty S1 kW	Intermittent Duty (S6 - 40%) kW	Weight (tonnes)	Pedestal Outer Diameter (mm)	Pedestal Height (mm)
HMC886 LK 20-08	2	8	20	20	1	1	18.5	26	3.8	750	1200
HMC886 LK 20-10	2	10	20	20	1	1	22	31	4	750	1200
HMC1077 LK 20-12	2	12	20	25	1	1	22	31	5.3	945	1200
HMC1301 LK 20-15	2	15	20	25	1	1	30	43	7.5	1160	1200
HMC1301 LK 20-16	2	16	20	25	1	1	30	43	7.8	1160	1400
HMC1301 LK 20-18	2	18	20	25	1	1	30	43	8.2	1160	1400
HMC886 LK 30-08	3	8	20	20	1	1	22	31	3.8	750	1200
HMC1077 LK 30-10	3	10	20	20	1	1	22	31	5.3	945	1200
HMC1301 LK 30-12	3	12	20	25	1	1	22	31	5.6	1160	1200
HMC1301 LK 30-15	3	15	20	25	1	1	30	43	7.5	1160	1400
HMC1301 LK 30-16	3	16	20	25	1	1	30	43	7.8	1160	1400
HMC1400 LK 30-18	3	18	20	25	1	1	30	43	9.5	1230	1400
HMC1301 LK 50-10	5	10	20	20	1	1	37	53	7.2	1160	1400
HMC1301 LK 50-12	5	12	20	25	1	1	37	53	7.5	1160	1400
HMC1400 LK 50-15	5	15	20	25	1	1	45	64	9	1230	1400
HMC1400 LK 50-16	5	16	20	25	1	1	45	64	9.2	1230	1400
HMC1610 LK 50-18	5	18	20	25	1	1	45	64	13.5	1450	1400
HMC1610 LK 50-20	5	20	20	25	1	1	45	64	14	1450	1400
HMC1610 LK 100-10	10	10	14	20	1	1	45	64	13	1450	1400
HMC1610 LK 100-12	10	12	14	25	1	1	45	64	13.5	1450	1400
HMC1610 LK 100-15	10	15	14	25	1	1	45	64	14	1450	1400
HMC1610 LK 100-16	10	16	14	25	1	1	45	64	14.5	1450	1400
HMC1891 LK 100-18	10	18	14	25	1	0.7	45	64	21	1907	1800
HMC1891 LK 100-20	10	20	14	25	1	0.7	45	64	20.1	1907	1800
HMC1610 LK 120-10	12	10	14	20	1	1	55	79	14	1450	1400
HMC1610 LK 120-12	12	12	14	25	1	1	55	79	14.4	1450	1400
HMC1891 LK 120-15	12	15	14	25	1	0.7	55	79	19.4	1907	1800
HMC1891 LK 120-16	12	16	14	25	1	0.7	55	79	19.5	1907	1800
HMC1891 LK 120-18	12	18	14	25	1	0.7	55	79	20	1907	1800
HMC1891 LK 120-20	12	20	14	25	1	0.7	55	79	20.5	1907	1800

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