

MSB Series Cranes



Your partner for a Lifetime of Lifting

The MSB Crane Series enables you to undertake construction projects with confidence. With capacities up to 1500 MT, these cranes use state of the art drive and control systems to meet your optimal performance requirements while performing your lifts in a safe and efficient manner.

Whatever your construction objectives may be, this crane will help you succeed in the harsh offshore environment.



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MSB Series Cranes

The MSB crane is designed to safely handle loads in a harsh offshore environment. These units may be used on a variety of functions like unloading of supply vessels, pipe transfer, deck lifts and offshore construction.

Key Features

- Outstanding capacity to weight ratio
- Suitable for worldwide service
- State of the art technology
- Global service training and aftermarket support
- Operator friendly, modern ergonomic operator's cabin design
- Range of boom lengths available
- Minimal tail swing
- Hoists, slew drives, and electrical drives are protected inside the crane structure
- Overload protection system
- DNV and ABS compliant
- MSB 5000 and MSB 6000 feature electric/hydraulic drives for precise efficient operation
- MSB 7000 and MSB 7600 feature full-electric drive for environmentally friendly and efficient operation



Environmental Conditions

- Operational temperature: -20°C to +45°C
- Design temperature: -20°C to +45°C

Prime Movers

- MSB 5000 & MSB 6000: Multiple axial piston hydraulic pumps driven by electric motors provide the power for all functions, utilizing vessel supplied power
- MSB7000 & MSB 7600: Electric VFD drives for all functions, utilizing vessel supplied power

Power Requirements

- Main power: 690 VAC, 3 PH, 60 HZ
- Ancillary power: 440 VAC, 3 PH, 60HZ

Technical Specifications

Specs		MSB 5000	MSB 6000	MSB 7000	MSB 7600
Boom length		50 meter	50 meter	50 meter	50 meter
Max overturning moment (DAF = 1.1)	(MTm)	15,800	23,000	31,000	50,000
Weight (revolving structure)	(kg)	397,000	490,000	654,000	875,000
Weight (pedestal adapter: 3 meter)	(kg)	33,000	45,000	57,000	60,000
Main drive system		Electric/hydraulic	Electric/hydraulic	Electric VFD	Electric VFD
Power requirements	Main	1,050 kW	1,050 kW	1,800 kW	2,200 kW
		690VAC/3ph/60Hz	690VAC/3ph/60Hz	690VAC/3ph/60Hz	690VAC/3ph/60Hz
	Ancillary	150 kW	150 kW	200 kW	200 kW
		440VAC/3ph/60Hz	440VAC/3ph/60Hz	440VAC/3ph/60Hz	440VAC/3ph/60Hz
Radius min.(main/whip)	(m)	11.4/14.4	12.1/18	12.5/19.9	13.6/22
Radius max.(main/whip)	(m)	52/58	52/62	50/60.4	54/66
SWL (main)	(MT)	400 @ 23m	600 @ 25m	1,000 @ 23m	1,500 @ 25m
SWL (whip)	(MT)	36 (all radii)	36 (all radii)	100 (all radii)	100 (all radii)
Boom lengths: 10m increments	(m)	40-60	40-80	40-100	40-110

