

MSB7000S Lattice Boom Cranes



Your partner for a Lifetime of Lifting

The MSB7000S enables you to take on installation missions in deeper waters.

With lifting capabilities up to 900 mT and subsea capabilities up to 600 mT, this crane uses an Active Heave Compensation (AHC) main winch system which provides safe operation and high performance. Whether your mission is lowering structures to the sea bed or transferring equipment from deck to deck, this crane will make your mission a success in the harsh offshore environment.



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Single Box Boom Cranes

The MSB7000S crane is designed to safely lower equipment down to the sea bed or transfer equipment from deck to deck. The unit may be used on a wide variety of vessels. The crane features proven AHC technology which is crucial during harsh environment subsea operations.

Technical Specifications - MSB7000S Lattice Boom Crane

Boom Length			50 meter
Maximum overturning moment		(kNm)	203 100
Weight: Revolving Structure		(kg)	534 000
Weight: Pedestal Adapter (8 m)		(kg)	98 000
Weight: 450 t AHC Main Hoist (below deck, included heavy wire rope)		(kg)	782 000
Main Drive System			Electric
Installed Power		(kW)	4910
Radius	Minimum	(m)	12,5
	Maximum	(m)	66,9
SWL	Whip	(mt)	100
	Main	(mt)	900
Subsea Lifting Capacities (Main Winch Options)		450 mt	600 mt
Water Depth		SWL	SWL
500 meter		450 mt	600 mt
1000 meter		450 mt	580 mt
1500 meter		420 mt	525 mt
2000 meter		370 mt	465 mt
2500 meter		330 mt	420 mt
3000 meter		270 mt	350 mt

Features and Benefits

- High compensation grade
- Reduced power consumption
- Limiting of dynamic forces on vessel and load
- Reduced hazards to the lifted load and laydown area
- Crane can be adapted to different vessel sizes
- Increased weather window
- State of the art technology
- Global aftermarket organization

Environmental Conditions

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

Prime Movers

- Electric for crane and winches
- Electric-hydraulic for AHC system

Power

- Peak power for crane without AHC: 3000 kW
- Peak power for main hoist and AHC: 4400 kW
- Uses 4400 kW as the peak vessel power demand

