June 2020

MARINE CONTRACTORS

Sleipnir

HMC equipment

A HEEREMA COMPANY

Heerema Marine Contractors (HMC) is proud to introduce her new semi-submersible crane vessel: Sleipnir. The vessel will be equipped with two cranes of 10,000 tonnes lifting capacity each. The introduction of the Sleipnir enables HMC to meet customers' demand for lifting capacity beyond what the market can currently offer without compromising the robustness of the traditional lifting methodology that has proven itself since the founding of the company 55 years ago.

Sleipnir's features – such as lifting capacity, motion behavior and large deck area – all contribute to a superior performance of the vessel. This makes it the best technical and most effective tool for performing the offshore installation of small, large and complex facilities from shallow to ultra-deep water. With the introduction of the Sleipnir, HMC shows commitment to its clients towards the future and the ability to continue to serve the heavy installation and removal market for the next decades. This latest step in our fleet renewal program further reinforces our aim to remain an industry leader in offshore installation and removal services.

Unique lifting capacity and crane design

The unique lifting capacity and crane design of the vessel allow our clients to design larger and/or heavier topsides and jackets, which we can install fully integrated and commissioned.

This relocates the expensive offshore integration to an optimized onshore activity. The uniqueness of the crane is the boom design configuration in combination with the lifting capacity. This allows heavy lift installations even on high elevations.

Excellent workability

The design of the columns of the Sleipnir has been optimized to achieve maximum workability during lifting operations all around the world including swell dominated areas, offering our customers execution and schedule predictability.

A large deck area

The deck configuration of the vessel has been optimized to transport as many jackets, topsides or modules as possible. This way, the workability of the offshore operation improves significantly.

Transit speed

The new vessel will have a minimum service speed of 10 knots. Such transit speed will improve travel time between projects and will provide our clients with reduced overall mobilization duration and cost. Next to this, Sleipnir will be more environmentally friendly in fuel consumption.

Environmental footprint

In order to improve the environmental footprint of our operations, the Sleipnir will be powered by LNG. This feature might also support our clients' environmental and sustainability ambitions.

Services

With the introduction of the Sleipnir we can provide our clients with tailor-made solutions for:

- Installation of fixed and floating platforms
- Removal of offshore platforms
- Installation of subsea structures


SLEIPNIR
PANAMA R.P.


HEEREMA
H-408
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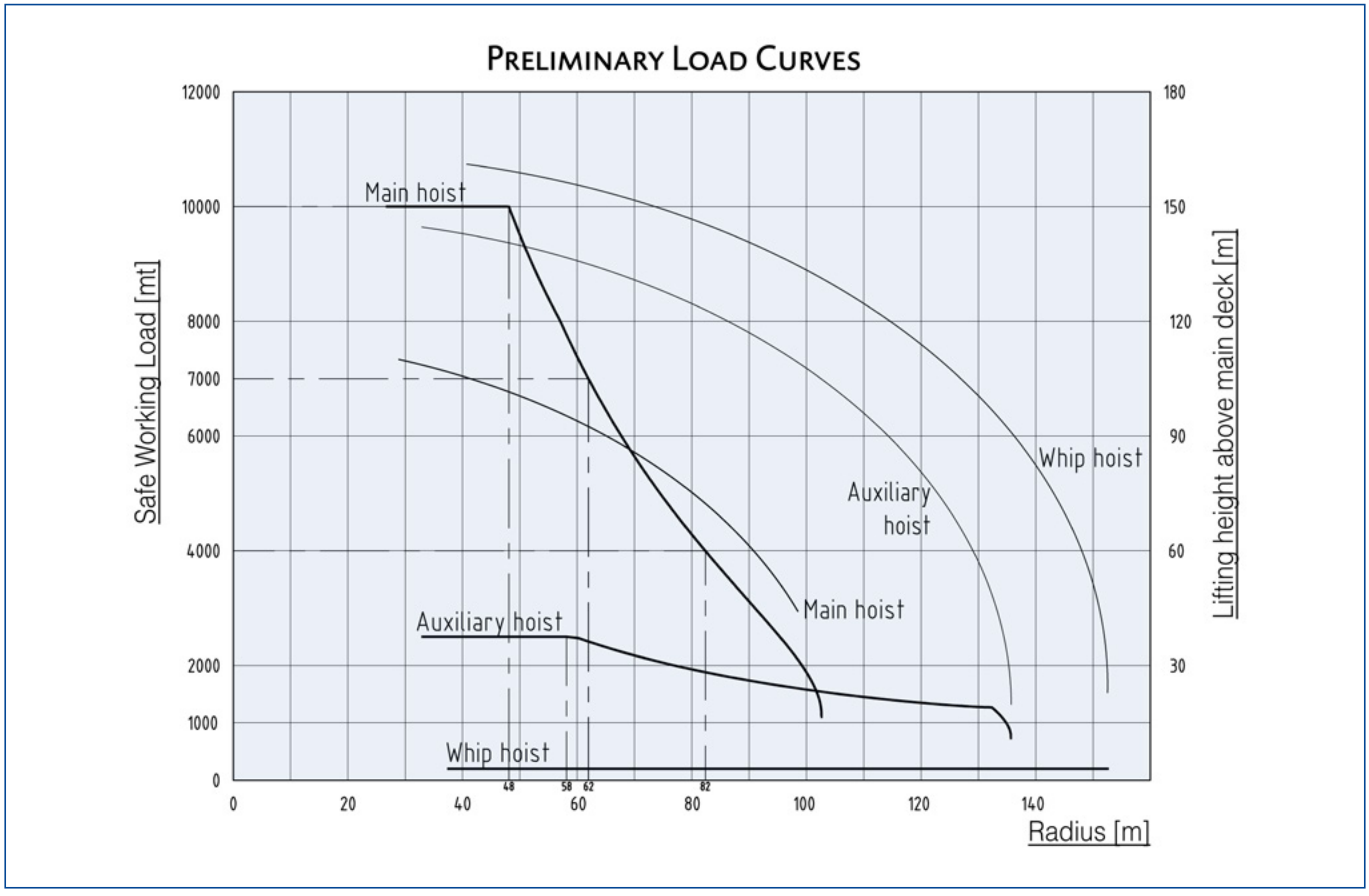
Two cranes, 20,000 tonnes lifting capacity



Main Dimensions

Length overall	220 m
Beam Overall	102 m
Draft Range	12 – 32 m

Deck Load

Heavy Lift Lay Down Area	15 mT/m²
Main Deck	10 mT/m²
Total Deck Load Capacity	20,000 mT
Total Deck Area	12,000 m²

Accommodation

Person	400 Persons
Cabins	Single and double cabins

Helideck

Diameter	28 m
Load Capacity	15.6 mT
Suitable for	Augusta Westland EH101 / Sikorsky S-92
Compliant to	IMO, LR, NMA, CAP437

Auxiliary Crane

Deck Crane	One pedestal mounted, lattice boom crane
	70 mT at 12 m radius
	25 mT at 60 m radius
	8 t at 72 m radius
	Range up to 2,000 m water depth
	Man riding certified

Portside and Starboard Heavy Lift Cranes

Type	Portside and Starboard bow mounted, Fully revolving, Tub crane
Boom Length	144 m (from heel point to whip hoist)
Boom Clearance (to deck)	28.0 m in stowed position
Main Hoist Capacity – Revolving	10,000 mT between 27 – 48 m radius
	7,000 mT at 62 m radius
	4,000 mT at 82 m radius
Main Hoist Lifting Height	from -20 m up to 129 m (above waterline at 32 m draft)
Main Hoist Maximum Radius	102 m
Auxiliary Hoist Capacity - Revolving	2,500 mT between 33 – 58 m radius
Aux. Hoist Lifting Height	from -50 m up to 165 m (above waterline at 32 m draft)
Aux. Hoist Maximum Radius	135 m
Whip Hoist Capacity - Revolving	200 mT between 37 – 153 m radius
Whip Hoist Lifting Height	from -100 m up to 181 m (above waterline at 32 m draft)
Whip Hoist Maximum Radius	153 m
Deep Water Lowering	heave compensated capacity per crane 1,000 mT at 1,000 m below sea level 760 mT at 1,500 m below sea level 240 mT at 3,000 m below sea level

Station Keeping / Propulsion System

Thrusters:

Forward end - Four (4) retractable, underwater demountable fixed pitch, variable speed azimuth thrusters of 5.5 MW each.
Aft end- Four (4) underwater demountable fixed pitch, variable speed azimuth thrusters of 5.5 MW each.

DP System:

IMO equipment Class 3, Lloyd's Register DP(AAA)

Mooring System:
4 x 3 point mooring system
Stevpris Mk-6 anchors of 12 t each

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