WINDLIFT – Self-elevating crane vessel for offshore O & M and installation work.

This self-elevating crane vessel was designed for installation and O & M of offshore wind farms. The vessel is powered by four thrusters and offers in addition to a heavy load crane of up to 500 t a special device, which allows exact positioning and hammering of up to 95 meters long foundation piles. With this crane we are able to lift loads up to 95 meters above the water surface. It has a helicopter landing deck and offers accommodation for up to 50 persons.

If wind farms are your business, we are the solution.

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SPECIFICATION

GENERAL INFORMATION

Vessel type: Self elevating crane vessel (Special Purpose Ship)
Built: 2010, Klaipeda, Lithuania
Flagstate: Germany
Class: DNV-GL + 100 A5 DP1
Self Elevating Unit: MC AUT
IMO: 9516686
Port of registry: Cuxhaven

PRINCIPAL DIMENSIONS

Length over all: 114.87 m (incl. Heli Deck)
Breadth over all: 44.76 m (incl. Heli Deck)
Draught: 3.9 m
Dead weight: 7900 t
Net Tonnage: 2388 NT
Gross Tonnage: 7962 GT

MACHINERY & PROPULSION

Main engines: 4 x 1665 kW (Wärtsilä 9L20)
Main Generators: 4 x 1400 kW (SAM S50B20-047)
Emergency Generator: 1 x 500 kW (MAN D 2842 LE 201)
Propulsion: Thruster 4 x 1100 kW (HRP 7000)

SPEED

Transit: 7.8 kn (2 Thruster)
Maximum: 10.1 kn (4 Thruster)

CONSUMPTION (MGO)

Maximum: approx. 30 m³ per day
Service: approx. 5 m³ per day
Stand By: approx. 2 m³ per day

DECK EQUIPMENT

Main crane: 500 t @ 31 m outreach
Auxiliary crane: 12 t @ 28 m outreach
Hel Decks: 19 m (HS 1111), approved for Super Puma
Winches: 4 x single drum 56/60 t (Hatlapa)
Mooring: 6 No 01860A4 Sw x 3100000 lbs
Anchor: 2 x anchors, 60 t each
Power Mark Decks: 2 x Power cabinets 800/415 V, 68 Hz

FENDER

4 x 2500 x 4800 Floating foam Fender
5 x 1200 x 2800 Floating foam Fender

COMMUNICATION

VHF-DSC: RT3322
VHF Portable: Axi 50 GMDSS
MEPHE: Dietrich 3220
Inmarsat C: IR514431 Inc. 52055
Inmarsat C: TT-300

CAPABILITIES

Fuel tanks: 560.3 m³
Oil tanks: 17.8 m³
Water tanks: 2 x 188.8 m³
Sewage tanks: 309.4 m³
Waste water tanks: 3011.8 m³
Waste oil tank: 7.9 m³
Deck space: 2224 m²
Load capacity: 2000 t
Payload: 5.1 m³ per day

LEGS

Length: 74 m incl. spider
Footprint: 45 m²
Load per leg: 5000 t

PERSONEL

12 Crewmembers (acc. Safe Manning Certificate incl. 1 Cook)
3 Catering personnel additional
35 Persons of charterer’s choice

ACCOMMODATION

All cabins are fully equipped with sanitary spaces, Sat TV and internet access.
Single cabins: 10
Double cabins: 20

LIVE SAVING APPLIANCES

For max. 50 persons on board:
Life rafts (25 persons): 4 x VIKING
Life boats (50 persons): 2 x Fassmer GRP closed
Rescue Boat: 1 x Fassmer FR 6.1
Life jackets: 52 x
Immersion suits: 52 x

SYSTEMS

DP 1 System: NaviOcean 01
Jacking System: 4 Legs with jetting connection (Gusto HJS 2650)
Air Condition: Novenco, Denmark
Other Systems: Sewage plant acc. Marpol
Fresh Water Generator: 2 x 450 kW/8-6 bar

SPECFICATION

All details are given in good faith but are without guarantee.

www.offshore-wind-solution.de