

NOORDHOEK CONSTRUCTOR

NOORDHOEK NEW BUILD

DPII Diving Offshore
Construction Support Vessel ■



NOORDHOEK



VESSEL SPECIFICATIONS

General Information

Vessel Name	Noordhoek Constructor
Ship Type	Diving Offshore Construction Support Vessel ROV / Survey Support Vessel
Classification	Lloyds Register, +100A1, +LMC, DP (AA) / Class II
Flag / Port of Registry	Dutch / Zierikzee

Principle Dimensions

Length Overall	76.0 m
Breadth	18.0 m
Depth to Maindeck	6.1 m
Deadweight at 4.5m draught	3,030 mT

Manoeuvring and Propulsion Systems

Main Engines	2 x 1,424 kW (Caterpillar) 2 x 968 kW (Caterpillar)
Emergency Generators	1 x 250 kW (Caterpillar)
Main Propulsion	2 x 1,430 kW (Veth/Azim.)
Forward Thrusters	1 x 800 kW (Veth/Tunnel) 1 x 800 kW (HRP/Azim.)

Dynamic Positioning Systems

DP Classification	DP (AA) / Class II
DP System	Navis
Reference Systems	2 x DGPS Position 1 x Hydroacoustic System 3 x Gyro Compasses 2 x Vertical Reference Units 1 x Taut Wire System 2 x Wind Sensors

Performance / Consumption

Economical Speed	10.5 knots at tba mT / day
Service Speed	12.0 knots at tba mT / day
Bollard Pull	44.0 mT at Zero Speed

Tank Capacities

Fuel Oil	515 m ³
Fresh Water	560 m ³
Ballast Water	1,160 m ³
Lub. Oil	5.0 m ³
Fresh Water Maker	6.9 mT / 24hrs

Cargo Area

Work Deck Area	685 m ²
Deck Load (max.)	1,200 mT
Deck Strength	5.0 mT / m ²

Helideck

Construction	Approved and Certified according CAA Regulations
Load Value	Approved for Bell 212 and AW139 or smaller
D Value	17.6 m or less
T Value	6500 kg or less
Heli-Reception and full Emergency Equipment	

Dive Systems

Capacity	12 man SAT System
Diving Bell	3 man Sinker type
Depth Rating	200 msw / 100 msw
Handeling System	4.0 m Significant Wave Height
Transfer Speed	25 m / min. (wet)
Mixed Gas Storage	45.0 m3 with 2x Gas Reclaim Systems
Hyperbaric Lifeboat	1 x 12 Divers + 3 Crew, Self Propelled, Self Contained 72hrs
Moonpool	1x Diving, 4.0 m x 4.0 m
Air Diving Spread	Standard Full double air / Gas mix Dive System

Deck Machinery

Kenz Offshore Crane	100 mT at 10 m / 4 m SWH 30 mT at 20 m / 4 m SWH 7.5 – 30 m / min (100 % - 50 %) 200 / 400 msw deployment depth
Auxiliary Hoist	15 mT at 22.5 m / 4 m SWH 50 – 100 m / min (100 & - 50 %) 200 msw deployment depth
Man Riding	12 mT at 22.5 m / 4 m SWH
Anchors (Optional)	Four Point Mooring System
Lashing Points	12 x 10 mT SWL

ROV System

Where required, the vessel can be fitted with work and inspection class ROV's rated to 1,000 meters. Deployment over the side with LARS.

Accommodation

Accommodation	70 persons total
Hospital (not included in total POB)	1 bed
Wheelhouse and Accommodation fully air conditioned / heated.	

Survey / ROV Control, Online and Offline Survey Rooms, Client Office, Training Room, Conference Room and Recreation Area.

Navigation and Communication Systems

Navigation	1 x Magnetic Compass 1 x Radar, 12 ft. Scanner, S-Band 1 x Radar, ARPA, 6.5 ft. scanner with display at DP Console 1 x Navtex 1 x Echosounder (200kHz) 1 x Doppler Log (Bottom & Water Track)
Communication	2 x Immarsat Satcom C (with SSAS) 1 x Immarsat Satcom F77 1 x Iridium Sat Phone 1 x MF/HF DSC Transceiver / Controller 2 x SART Radar Responders 1 x Epirb, Hydroacoustic Release 2 x VHF Radio Transceiver DSC FD 1 x Private Automatic Branch eXchange

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