

DEEP HELDER

SPECIFICATION SHEET



SURVEY, IMR & INTERVENTION VESSEL

Deep Helder is a cost effective vessel operating on survey, Installation Maintenance and Repair (IMR) and Intervention projects for our customers in the Oil & Gas and Renewable markets.

The 65m long dynamically positioned vessel is designed for low fuel consumption, clean ship/green passport/SPS2008 and high comfort class notation (Comf1). The vessel is equipped with an offshore crane, Survey and ROV systems. Deployment of equipment can be via Moon Pool or A Frame. A total of 50 personnel can be accommodated on the vessel.

KEY FEATURES

- COST EFFECTIVE OFFSHORE SUPPORT VESSEL
- ROV PERMANENTLY MOBILISED
- LARGE DECK SPACE
- OFFSHORE CRANE
- ACCOMMODATION FOR 50 PEOPLE

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The Deep Helder is not limited to these parameters and can be modified by DeepOcean to complete workscopes in excess of its current configuration.

GENERAL CHARACTERISTICS

SHIP NAME	MV Deep Helder
BUILT	2014
REGISTERED	Netherlands / Den Helder
BUILDER	De Hoop Foxhol Netherlands
CLASSIFICATION	BV + Hull + Mach Offshore Service Ship + DYNAPOS AM / AT-R + AUT-UMS. Cleanship, Green Passport, Comf-VIB-1 / Comf-Noise-1

MAIN CHARACTERISTICS

LENGTH O.A.	64.8m
LENGTH B.P.	61.4m
BREATH, MID	15.77m
DEPTH, MID	6.0m
DRAFT, SUMMER	4.5m
DRAFT, MINIMUM	3.5m
SERVICE SPEED	10.0 knots
MAXIMUM SPEED	12.0 knots

TONNAGE

DEADWEIGHT AT 4.5M	1500 T
GROSS TONNAGE	TBA
NET TONNAGE	TBA

MACHINERY

MAIN ENGINES	4 x CaterpillarC32 diesel engines, 995 kW
ELECTRIC POWER	480 V AC-60 Hz
FUEL TYPE	Gas Oil
THRUSTERS AFT	2 x VETH 968kW each
THRUSTERS FWD	1 x VETH 400kW Retractable 1 x VETH 600kW Tunnel

FUEL CONSUMPTIONS

DP AVERAGE CONDITION	4,5 mT
SURVEY MODE 4 KNOTS	2,4 mT
ECO TRANSIT SPEED 10	6,0 mT
STANDBY IN PORTS	0,6 mT

TANK CAPACITIES

FUEL OIL	350m ³
POTABLE WATER	350m ³
BALLAST WATER	555m ³

DP2 SYSTEM

DP SYSTEM	Kongsberg type K-POS-DP-21 Green DP
DP REFERENCES	Sonardyne Ranger PRO2 USBL 2 x DGPS, CyScan Laser, Tautwire 2 x Wind, 3 x Gyro, 2 x MRU-5

4 POINT MOORING

ANCHORS	4 x Flipper Delta 2500kg (40te Holding)
WIRE AFT	2 x 1300m diameter 36mm
WIRE FWD	2 x 1000m diameter 36mm

DECK

DECK SPACE	500m ²
DECK LOADING	5te/m ²
DECK LOADING A-FRAME	20te Foundations for A Frame

DECK CRANE

OFFSHORE CRANE	SubSea / Manriding 20T@10m, 5T@21.5m Hook Travel 500m Max hook height above water line 25 metres
PROVISION CRANE	1.5T@8.8m, Hook Travel 50m

MOON POOLS

MAIN DECK	4m x 4m
MOON TUBES	2 x 1.2m diameter (Port / Starboard)

ACCOMMODATION

TOTAL BUNKS	50
SINGLE MAN CABIN	10
TWO MAN CABIN	20
WORK SPACES	1 x Survey Room 1 x Server Room 1 x Client Office 1 x Ships Office 1 x Meeting Room 1 x Changing Room
RECREATIONAL SPACES	1 x Day Room 1 x Mess Room 1 x Gymnasium Room

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