



IMR/ROV VESSEL

DP2 IMR/ROV

PARTICULARS

TYPE OF VESSEL	DP2 MPOV IMR / ROV
YEAR BUILT	2016
CLASSIFICATION	DNV -SPS 2008 compliance
CLASS NOTATION	+1A1,SPS, SF,COMF-V(3),EO, DYNPOS-AUTR, NAUT-OSV(T), CLEAN DK(+)
TOP SPEED	14 knots
FLAG	Panama

The Vessel is a DP2 VS470 MKIII subsea service vessel capable of ROV operations as well as deepwater module handling. The vessel is specially customised and equipped to perform IMR (inspection, maintenance and repair) work.

The vessel is equipped with a 100T active heave compensated offshore knuckle boom crane, and built-in swell compensation systems per 2,000m depth. The vessel complies with SPS 2008 code with clean & comfort class notation. It can accommodate 60 people and offers full cargo deck capacity and logistical support to afford full usage flexibility for clients.

TECHNICAL SPECIFICATIONS

PRINCIPAL PARTICULARS	
Length O.A.	: 75.55M
Length P.P	: 64.50M
Breadth Moulded	: 19.20M
Scantling draught	: 6.50M
Depth 1st Deck	: 7.60 M
Deadweight (at6.5m)	: 3900 Tons
Deck area 1st deck	: 680 m ²
Deck area mezzanine deck	: 120m ²
Cargo deck strength	: 10.00 MT/m ²
COMMUNICATION EQUIPMENT	
Radio (VHF)	: 3 x portable GMDSS-VHF
Radio (UHF)	: 3xportableUHF,Motorola
EPIRB	: 1 x Tron 45SX
Inmarsat	: 2 x Inmarsat C w/EGC receiver
Internal Communication	: Integrated Telephone Intercom & PA system
Transponders	: 2 x radar transponders
GMDSS	: GMDSS for area A3
MOB Alarm	: 7xMOBbuttonsonworkingdecks

LIFE SAVING EQUIPMENT	
MOB Boat w/Davit	: 15 men, 30 knots
Life Rafts	: As perSOLAS
Life Jackets	: As perSOLAS
Life Buoys	: 4x with light and line 2 x with line 2xwithlightandsmoke
Survival Suits	: For 60 persons
Fire Fighting appliances	: According to SOLAS rules
Fire Detection System	: 1 x Class approved

ACCOMMODATIONS	
Accommodation	: 60 Persons
Hospital	: One (1)

MACHINERY

TANK CAPACITY	
Fuel Oil	: 1345 cu.m
Fresh Water	: 315 cu.m
Ballast water	: 1480 cu.m
Liquid Mud	: 1070 cu.m
Fresh Water maker	: Approx. 25 ton/day
Incinerator	: 1 x 500,000 kcal/hr
MACHINERY/PROPULSION	
Propulsion (CP Propellers)	: 2 x 2320 kw main propellers 2x590kw tunnel thrusters (aft) 3 x 800 kw tunnel thruster (fore)
Main Engine	: 2 x 2320 kw
Auxiliary engines	: 2 x 900 kw
Emergency generators	: 1 x 440kw
Shaft Generators	: 2x1600kW
DP System	: Kongsberg DP2 System
HIPAP	: 2 x Trunks with gate valve DN500

PUMP CAPACITY	
Fuel Oil transfer Pump	: 1 x 20 m ³ /hr, 2 bar
Lube Oil transfer Pump	: 1 x 5 m ³ /hr, 3 bar
Sludge Pump	: 1 x 5 m ³ /hr, 3 bar
Bilge Pump	: 4 x 65 m ³ /hr, 2.5 bar
OWS	: 1 x 2.0 m ³ /hr, 15 ppm
Cooling System	: 9xSeawater pumps 7xFreshwater pumps
Emergency Fire	: 1 x 40 m ³ /hr, 7.0 bar
Fighting & Ballast Pump	: 2 x 100m ³ /h, 9.0 bar
Auto Anti Heeling System	: 1 x 800m ³ /h
Starting Air Compressor	: 2 x 60 m ³ /h, 30 bar
Steering Gear	: 4x electrohydraulic pumps Rudder angle 2 x 45 degree

TECHNICAL SPECIFICATIONS

NAVIGATION EQUIPMENT

Radars	:	1x Radar 10cm / Sband 1x Radar 3cm / Xband 1x Radar slave display LCD/TFT Maritime ECDIS 19"
DGPS	:	3 x DGPS (Combine with DP)
Compass	:	3 x Gyro Compasses 1 x Magnetic Compass
Autopilot	:	1 x High Accuracy Course-keeping
Echo Sounder	:	1 x Echo Sounder
Speed log	:	1 x Doppler Type
Clinometers	:	1 x Clinometers at Wheelhouse 1 x Clinometers in Engine Room
ECDIS	:	2 x ECDIS (interfaced DP system)
AIS	:	1 x AIS, IMO approved
SSAS	:	1 x SSAS, IMO approved
Searchlights	:	3 x Automatic operated searchlights
VDR	:	1 x VDR
BNWAS	:	1 x Bridge navigation water alarm system
SRS	:	1 x Sound Reception System

DECKS ARRANGEMENTS

Arrangement on Bridge	:	DNV NAUT-OSV-T Communication centre, toilet, pantry, small blind sectors.
Arrangement on D deck	:	3 x state cabins, 3 x 1m cabins & instrument room
Arrangement on C deck	:	8 x 1m cabins & 10 x 2m cabins
Arrangement on B deck	:	AC plant, e/genset, 13x2m cabins, ship's office, rov office & conference room
Arrangement on A deck	:	Galley, day room, mess room, cold & cool room, dry provision gymnasium, client office, rov office & bosun store
Arrangement on 1st Deck :	:	Male & female changing room electrical workshop, spare parts store, store, hospital, laundry room, co2 room, diary mess room, paint store, incinerator room, emergency control station, safety & deck store

DECK EQUIPMENT

Crane	:	Hydramarine Crane 100T AHC
Crane wire length	:	2000 m
Crane - SWL	:	SWL 100T: max. working radius 7,5m SWL 50T: max. working radius 15,4m SWL 25T: max. working radius 30m
Anchors (Fwd)	:	2 x Stockless Spec Grade K3
Anchor Windlass	:	1 x electro-hydraulic
Mooring winch	:	2 x Declutchable cable lifters, drums dia. 400/1250mm, length 1000mm
Capstans	:	2 x electro-Hydraulic, 8 Tons
Tugger winch	:	2 x electro-Hydraulic, 10 Tons Wire capacity: 60 m
Moonpool	:	4 x 4 m - Closed Moonpool



Bridge



ROV Mezzanine Deck



ROV Operation



Lounge Area



1 Man Cabin

DP2 IMR/ROV
AHC Crane - 100T
Mezzanine deck for ROVs
Accommodation for 60 persons

