

DP2 Multi-Purpose ROV Light Construction Vessel

GENERAL

Builder / Year China, 2011
 Class DNV + 1A1, Clean, SF, E0, Dynpos-AUTR, dk (+), HL(2.8), Oil Rec, Tmon, BIS, COMF V(3)C(3), HELDK., with Intact & Damage Stability according to IMO Resolution A.749 (18) & MSC.235(82)

Gross tonnage 4,8t
 Nett tonnage 1,4t
 Deadweight (summer) 4,9t

DIMENSIONS

Length OA 87.30m
 Breadth mld. 19m
 Draught (summer) 6.65m

PERFORMANCE

Service speed abt. 10 - 12 knots

CARGO DECK

Clear deck area 928 m²
 Deck strength 5 t / m²
 Deck load 2,000 t

CARGO CAPACITY

Fuel oil cargo Approx. at 100%
 Ship's fuel oil 982 m³
 Potable water 293 m³ + Overflow Tanks
 Drill water inc Ballast 1,370 m³
 Tanks Dry bulk 1,359 m³
 @ 80 psi.
 Liquid mud @ 2.8 sg 7 x 54.3 m³= 380 m³ (13,423 ft³)
 Brine @ 2.8 sg 947 m³- (5,955 bbls)
 Base oil 899 m³- (5,657 bbls)
 159 m³- (1,001 bbls)

CARGO PUMPING

Fuel oil cargo 2 x 150 m³/hr @ 9 bar
 Potable water 2 x 150 m³/hr @ 9 bar
 Drill water 2 x 150 m³/hr @ 9 bar
 Dry bulk compressors 2 x 30 m³/m @ 5.6 bar
 Liquid mud 2 x 75 m³/hr @ 21 bar
 Brine 2 x 75 m³/hr @ 21 bar
 Base oil 1 x 150 m³/hr @ 9 bar

DP2 SYSTEM

DP / Joystick Control IMOO Class 2 DP System - Kongsberg K-Pos DP--21
 Reference Systems Fan beam laser + 2 x DGPS
 HiPAAP 500 installed
 Spaare HiPAP trunk
 Transponder Deployment "A" FFrame + 3,500 m winch

PROPULSION

Two Wärtsilä W6L32: 6cyl in-line marine diesel engines each developing 3,000 kW @ 750 rpm each driving a 2,000 kW shaft alternator and CP propeller.

Two independent spade rudders.

Total developed power 6,0000 kW (8,042 BHP)

GENERATORS

440 / 3 / 60
 Shaft alternators / motors 2 x 22,000 kW
 Main alternators 2 x 3320 kW
 Emergency alternator 1 x 2250 kW

THRUSTERS

Forward tunnels 2 x 8830 kW
 Aft tunnel 2 x 8830 kW

DECK MACHINERY

Main sub-sea crane Marrine knuckle-boom
 70t SSWL @ 11 m radius
 Main Boom with AHC 25t SSWL @ 25 m radius
 2,0000 m Hook Travel (New)
 70t SSWL
 Active Heave Comp Pluss to minus 3 m (6m total)
 Fly Jib 10t SSWL @ 25 m radius
 1.5t t manriding capacity
 400 m hook travel (new)
 2 x 33t SWL tugger winches
 Misc Wheeelhouse Readout
 Opeering depth subject to wire length

Deck crane

Marrine knuckle-boom
 5t SSWL @ 15 m
 radius 2 x 115t hyd.

Windlasses

2 x 112t hyd.

Tuggers

2 x 110t hyd.

Capstans

STABILISATION & HEELING TANKS

One passive roll reduction stabilisation tank
Port & starboard crane heeling tanks

HELIDECK

D value of 21m and max gross weight of 11.9mt.
Heli-reception room and full emergency equipment.

ROV DECK

ROV deck area	10.5 m x 19 m = 200 m ²
Deck strength	3t / m ²
Deck load	600 tonnes

DECK SERVICES for ROV's etc.

Electrical Power	1,000 kW DB's 440/3/60
Compressed Air	5.6 bar / 80 psi
Fuel Oil	Connection on deck
Salt Water Cooling	

OIL RECOVERY and DISPERSANT

Portable deck mounted recovery booms, skimmers and pumps can be provided. Built-in ORO storage tanks.

Recovered Oil Tanks 1,1066 m³ (approx)

Slops Tanks 92 m³ (approx)

Portable deck mounted dispersant booms and ejectors can be provided.
Built-in dispersant tank abt. 9.7 m³

ACCOMMODATION

Wheelhouse and accommodation fully air conditioned

Single berth cabins 2 suites + 12 en-suite

Two berth cabins 23 en-suite Complement 60
persons

Mess Room, Day Room, Gym, Hospital, First Aid Room

Ships Office, Heli Rec Room

Conference Room, Ops Office, Ops Control Room, Survey Room

Separate ship's and client's internet networks.