

VESSEL SPECIFICATIONS

80M DP2 SUBSEA SUPPORT VESSEL

PRINCIPAL PARTICULARS

YEAR BUILT	2010
PLACE BUILT	Drydocks World, Singapore
DESIGN	Conan Wu & Associates, Singapore
FLAG	Batam, Indonesia
IMO	9483061
LENGTH OVERALL	79.80 m
LENGTH BP	79.48 m
BREADTH MOULDED	20.40 m
DEPTH MOULDED	8.00 m
DRAFT (MAX)	5.60 m
FREEBOARD (SLL)	2.4 m
CLASS	ABS and BKI (Dual class)
NOTATION	✕ A1, Offshore Support Vessel, DSV Capable, FFV1 and FFV2, ✕ AMS, DPS-2, SAT DIVE - SDS11
GRT/ NRT	5001.00 T / 1501.00 T
DEADWEIGHT	2500.00 T

DECK PARTICULARS

CLEAR DECK AREA	555.00 m ²
DECK CARRYING LOAD	650.00 T
DECK STRENGTH	5.00 T/m
HELIDECK	12.8 T, 22 D, HAPI, C&H LIGHT, NDB, CAP 437(2018) Compliant

PERFORMANCE

MAXIMUM SPEED	12 Knots @ 30 T/24hrs, SS1
ECONOMIC SPEED	10 Knots @ 24 T/24hrs, SS1
DP MODE	1.5 Knots current, @ 11 T/24hrs, SS3

PROPULSION SYSTEMS

MAIN GENERATOR	4xCaterpillar 3516B, 1901 ekW@1800RPM
AUXILIARY GENERATOR	Caterpillar 3412, 620 ekW @ 1800 RPM
EMERGENCY GENERATOR	Caterpillar 3508B, 968 ekW @ 1800 RPM
BOW THRUSTER	3x Schottel STT 002 CP, 600 kW,
PROPELLERS	2 x E-Motor Driven Voith Schneider Cycloidal Propeller, 2500 kW each, 2xGE Convertteam Frequency Converter Drive

TANK CAPACITIES

FUEL OIL	795 m ³ (805.14 cbm)
FRESH WATER	1084.40 m ³
BILGE	20.50 m ³
BALLAST WATER	2015.02 m ³

CARGO DISCHARGE CAPACITIES

FUEL OIL PUMP	100 m ³ /hr @ 70 m head with Digital Mass Flow metre
FRESH WATER PUMP	100 m ³ /hr @ 75 m head
BILGE/BALLAST/FIRE/GS	2 x 80 m ³ /hr @ 70m head, 1 x 60 m ³ @ 70m head

DP SYSTEM

Converteam DPS-2, 2 DGPS with Remote Joystick & 1 x Independent Joystick System, 1x Sonardyne USBL, 1 x Taut Wire 500 m Depth, 1 x Fanbeam, 3 Gyros, 3 Anemometers, 2 Motions Sensors

DECK EQUIPMENT

ANCHORS & CHAIN	2 x 2850 kg High Holding Power Type, 220 m x 54 mm (Dia), Grade U2
TUGGER WINCH	5 T air operated
CAPSTAN	2 x 10 T @ 14 m/min Electro Hydraulic
ANCHOR WINDLASS C/W BOW	Electro Hydraulic
CRANE 1	SWL 50 T @ 12.5 m Radius (max SWL), SWL 13 T @ 30.0 m Radius (max Radius) w/ Active Heave Comp. / Constant Tension, Man Riding Capability
CRANE 2	SWL 5 T @ 12 m Radius (max SWL)
MOON POOL	8.00 m Length x 8.00 m Breadth

ACCOMMODATION

BERTHS	12 x 1, 6 x 2, 24 x 4 Berths
TOTAL PAX	120

RECOVERY SYSTEM

OIL SPILL RECOVERY SYSTEM	IACS Class Certified, Floating type multi-skimmer, Boom, Bladder Tank, OSD
ERRV	Dracon Scoop, personel recovery basket, scramble net, 2 bed-hospital

EXTERNAL FIRE-FIGHTING EQUIPMENT

FI-FI NOTATION	FFV1 AND FFV2
FI-FI MONITORS	3 x FM 250HD-C-02, Jet/Fog nozzle, 2400 m ³ /hr each
FI-FI PUMP	2 x OGF 300 x 450, 3700 m ³ /hr each

LIFE-SAVING EQUIPMENT

LIFE BOATS	2 x 80 men, totally enclosed 29 kW Inboard Engine each, Davit launched
LIFE RAFTS	10 x 25 men
RESCUE BOAT C/W DAVIT	2x15 men, Outboard Petrol Engine, 15L Fuel

DIVING & ROV SYSTEMS

DIVING SYSTEM	15 men Saturation Diving System with SPHL, 3 men Diving Bell (Through Moonpool)
BELOW DECKS HE02 STORAGE	39 Kelly Tubes x 200 Bar, approx. 17000 m ³ , On Deck O2 Storage
GAS RECLAIM SYSTEMS	DGRS and Chamber Gas
AIR DIVING SYSTEM	Dual LARS, Air DDC
WORK CLASS/OTHER ROV SPHL	Optional, install as required 1 x 15 Divers, 4 Crew, Flyaway pack