



# 2 Sister Newbuild DP2 Multipurpose Offshore Support Vessels - Delivery July-2025 | P&C Sale

## BRIEF SPECIFICATION

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Beam moulded	:	16.00 m
Depth moulded	:	6.80 m
Draft designed	:	5.10 m
Draft maximum	:	5.40 m
Freeboard	:	1.40 m
Clear deck space	:	420 m <sup>2</sup> (free from obstruction above)
Deck cargo	:	600t @ 1m height from deck
Deck strength	:	7.5 t/m <sup>2</sup>
GT/NT	:	TBA
Deadweight	:	~1,600 t at scantling draft
Speed	:	12.5 knots @ 100% MCR, trial condition, ≤ BF2
Endurance	:	≥ 30 days
Complement	:	60 (upgradable to 80)

### TANK CAPACITIES (APPROX.)

Potable water	:	320 m <sup>3</sup>
Fuel oil	:	580 m <sup>3</sup>
Ballast water/drill water	:	500 m <sup>3</sup>
Mud/brine	:	450 m <sup>3</sup> (SG 2.5)
Base oil	:	100 m <sup>3</sup>

### BULK HANDLING SYSTEM

Dry bulk (cement)	:	120 m <sup>3</sup> (SG 2.5) in 3 tanks
Compressor	:	2x 13 m <sup>3</sup> /min @ 5.6 bar

### MAIN POWER PLANT

- Four (4) main medium speed diesel engines (running on MGO or bio-diesel) driving AC generators, each 1,280kWe, 690V/3Ø/60Hz (2 engines with front end PTO to drive FFV-1 pump via gearbox)
  - One (1) harbour high speed diesel engine/AC generator, ~450kWe, 440V/3Ø/60Hz
  - One (1) emergency radiator-cooled high speed diesel engine/AC generator, 99kWe, 440V/3Ø/60Hz
- [Main diesel generators shall be arranged for parallel running with each other, and in short time paralleling with harbour or emergency diesel generator]

### PROPULSION MACHINERY

- Two (2) azimuth steerable stern thrusters, FP propeller type in fixed nozzle, 4-bladed, each 1,800 kW, driven by AC motor and VFD starter. Controls at forward & aft stations in Wheelhouse
  - Two (2) transverse tunnel bow thrusters, FP propeller type, 4-bladed, each 600 kW, driven by AC motor and VFD starter. Controls at forward & aft stations in Wheelhouse
- [All necessary controls and interface to DP-2 system to be provided]

### DECK MACHINERY

- Two (2) anchor windlass/winch, electro-hydraulic driven with independent clutch for cable lifter, hawser drum and warping head, one 100% standby hydraulic pump
  - Nominal Pull : 10.0t @ 9 m/min
  - Cable Lifter : 2 x 440m of Ø40 mm chain
  - Chain Stopper : 2 x roller type, suitable for stud link chain
- Two (2) capstans, electro-hydraulic driven, 5t pull @ 0-15 m/min
- Two (2) tigger winches, electro-hydraulic driven, 10t @ 0-15 m/min
- Deck crane, electro-hydraulic driven, 5t/7.5t SWL @ outreach 15.0m/10.0m, telescopic boom type

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<b>LIQUID PUMPS</b>	Fuel oil cargo : 1 x 125m <sup>3</sup> /h @ 80mh Fresh water cargo : 1 x 125m <sup>3</sup> /h @ 80mh Ballast water/drill water : 1 x 100m <sup>3</sup> /h @ 80mh Base oil : 1 x 100m <sup>3</sup> /h @ 80mh Liquid mud/brine : 2 x 75m <sup>3</sup> /h @ 20 bar Mud agitator : One in each mud tank, variable speed type
<b>LIQUID CARGO CONNECTION</b>	Fuel oil : 4" TODO coupling Fresh water : 4" Camlock coupling Drill water : 4" Camlock coupling Base oil : 4" TODO coupling Liquid mud/brine : 5" Camlock coupling
<b>POWER SOCKET</b>	<ul style="list-style-type: none"><li>• 4 x 440V/3Ø/60Hz</li><li>• 4 x 220V/1Ø/60Hz</li></ul>
<b>NAVIGATION SYSTEM</b>	Radars, DGPS, AIS, wind anemometer, VDR, gyro-compass, autopilot, magnetic compass, weather fax receiver, echo sounder, doppler speed log, BNWAS, ECDIS, navigation lights, CCTV
<b>COMMUNICATION SYSTEM</b>	GMDSS for Area A3, MF/HF radio station, VHF stations, PA/Talk Back system, sound powered telephone system, SSAS, Inmarsat C & Inmarsat F, VSat, SSAS, LRIT, navtex receiver, EPIRB, SART, Satellite TV
<b>DYNAMIC POSITIONING SYSTEM</b>	DP-2 system with control consoles and independent joystick system located at aft of Wheelhouse in accordance with Class and IMCA, consisting of: <ul style="list-style-type: none"><li>• Duplex DP workstations with two control and field cabinet</li><li>• One (1) Spotbeam</li><li>• One (1) Radius (optional)</li><li>• Two (2) DGPS</li><li>• Three (3) MRU</li><li>• Two (2) UPS</li><li>• Two (2) printers</li><li>• One changeover switch (DP/IJS/manual control)</li></ul> The system shall have interface with DGPS, gyrocompass, wind tracker, MRU, UPS, printer, etc.
<b>FIRE FIGHTING EQUIPMENT</b>	<ul style="list-style-type: none"><li>• External firefighting system in accordance with FFV-1 notation comprising with:<ul style="list-style-type: none"><li>Two (2) fire pumps, each 1,730m<sup>3</sup>/h @ 120mh, each driven by generator engine front PTO</li><li>Two (2) fire monitors, one water 1,200m<sup>3</sup>/h and the other one water/foam 1,200/800m<sup>3</sup>/h</li><li>One (1) fixed water spraying system – water curtain</li></ul></li><li>• Fixed CO<sub>2</sub> fire protection system for engine room</li></ul>
<b>ENVIRONMENTAL PROTECTION EQUIPMENT</b>	<ul style="list-style-type: none"><li>• Oil dispersant system - 2 x 6m in length Spray Boom c/w standard proportional and metering device Oil dispersant system consisting of 2x 6m in length spray boom c/w standard proportional and metering device, foam tank</li><li>• One (1) MARPOL standard oily water separator complete with pump and oily water discharge alarm. Capacity 1 m<sup>3</sup>/h with oil content less than 15 ppm</li></ul>

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- One (1) ballast water treatment plant to be installed in engine room with capacity to suit one (1) ballast water pump capacity

## **SAFETY EQUIPMENT**

- Rescue boat, capacity: 6 persons in accordance with SOLAS requirement with purpose designed davit

## **ACCOMMODATION**

Fully air-conditioned spaces c/w cooling/heating, air distribution, hot & cold-water systems in accommodation in following rooms:

- 6 x single berth cabins: 6 men
  - 9 x twin berth cabins: 18 men
  - 9 x quadruple berth cabins: 36 men
- Total: 60 men
- Hospital/sick bay with 2 sick beds

## **SPARES**

As per Class requirements

**NOTE: ANY EXEMPTION REQUIRED FROM FLAG STATE SHALL BE THE RESPONSIBILITY OF THE BUYER**

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