



Environmentally friendly diesel-electric propulsion consumes less fuel than conventional drive systems and produces far less pollution. Propulsion configuration eliminates drive shafts and main engines are moved from below deck, resulting in significant increase to below-deck cargo capacities. The vessels are designed to maintain a speed of 14 knots at loadline.

Dynamic Positioning Class II creates full redundancy of major components and improves station keeping at offshore installations, thus significantly reducing safety concerns. Vessels intended to be used for the replacement market operating in the continental offshore arena.

MAIN CHARACTERISTICS

Length Overall	59.78 m	(196.13 ft)
Length BP	57.34 m	(188.12 ft)
Beam	15.00 m	(49.21 ft)
Depth	5.50 m	(18.04 ft)
Design Draft	4.30 m	(14.11 ft)
Maximum Draft	4.88 m	(16.01 ft)
Light Draft	2.90 m	(9.51 ft)
Operating Displacement	2,700 mt	(2,657 lt)
Maximum Displacement	3,150 mt	(3,100 lt)
Gross Registered Tonnage	Under 1,800	

CAPACITIES

Deadweight at Max Draft	1,670 mt (1,841 st)	
Cargo Deck Area	24.4m x 12.4m...302.56 m ² (80.05ft x 40.68ft ... 3,256.43ft ²)	
Deck Cargo	830 mt (915 st)	
Fuel Oil Cargo	544 m ³ (143,710 gal) (3,422 bbl)	
Fuel Oil Day Tank	33 m ³ (8,718 gal) (208 bbl)	
Bulk Mud	157 m ³ (41,475 gal) (988 bbl)	
Liquid Mud	632 m ³ (166,957 gal) (3,975 bbl)	
Drill Water	357 m ³ (94,309 gal) (2,245 bbl)	
Ballast Water	117 m ³ (30,908 gal) (736 bbl)	
Fresh Water	355 m ³ (93,781 gal) (2,233 bbl)	
Foam Tank	14 m ³ (3,698 gal) (88 bbl)	

PERFORMANCE

Speed (@ Design Draft)	12 knots
Fuel Consumption at 4.3 m Draft	
Cruising Speed	TBD
Economical Speed	TBD

DYNAMIC POSITIONING SYSTEM (CLASS II)

ABS classed DPS-2 Redundant Positioning System
Comprising:

- 2 Operating Consoles
- 1 Computer with Printer
- 2 Anemometers
- 2 Gyrocompasses
- 1 Laser Reference System
- 2 DGPS
- 2 Vertical Reference Units
- 1 Independent Joysticks

PROPULSION - MACHINERY

Total Installed Power	5,475kW (7,340 Hp)
Main Diesel Generators	3 x 1,825 kW (2,447 Hp) QSK60 -D(M)
Emergency Generator	1 x 170 kW (228 HP)
Main Propulsion	2 x 1,685 kW (2,259 Hp) Azimuthing Z-Drives Steerprop SP 200 1 x 1,685 kW (2,259 Hp) Fixed Z-Drive
Bow Tunnel Thrusters	2x 560 kW (751 Hp) Berg BFTT-316

CARGO DISCHARGE

Fuel Oil	150 m ³ /hr (660 gpm)
Rig Fresh Water	150 m ³ /hr (660 gpm)
Liquid Mud (LM)	150 m ³ /hr (660 gpm)
LM Tank Cleaning System	TBD
Bulk Material (BM)	50 mt/hr (55 st /hr)

DECK EQUIPMENT

Rescue Boat	1 x SOLAS
Deck Cargo Crane	2 mt @ 6.5 m (2.2 st @ 21.3 ft)
Tow Winch	Double Drum 150 mt Line Pull
Stern Roller	250 mt SWL
Storage Reel	1,500 m x 57 mm (4,921 ft x 0.18 ft) Diameter Wire
Shark Jaw	250 mt (276 st) SWL
Anchor Windlass	1
Fire Fighting System Class I	2 pumps @ 6,600 gal/min (1,500 m ³ / hr) each 2 monitors @ 5,283 gal/min (1,200 m ³ / hr) each

CONTROL & SAFETY

Fully integrated DP / control dual redundant system
Alarm, monitoring and control system for periodically unattended machinery space.
Remote control and monitoring of liquid mud and bulk mud cargo systems.

ELECTRONICS

- 1 Joystick System for DPS-2 system
- 2 Radars with ARPA
- 3 Navigation Gyro Compasses
- 1 Depth Sounder
- 1 Autopilot
- 1 Speed Log
- 1 Immarsat B or F77 providing phone, fax, E-mail
- 1 Iridium
- 1 mini M
- 1 EPIRB (2 radar transponders)
- 1 GPS
- 1 UHF, 2 VHF (bridge to bridge)
- 1 Radio System compliant with GMDSS A3 rules

ACCOMMODATION

Fully air-conditioned
Accommodations for 22 people composed of:
4 x 1 man cabins
5 x 2 man cabins
2 x 4 man cabins
Galley, 1 Day Room, 1 Smoking Day Room, Mess Room
1 Client Office, Stores

REGISTRATION

Type	Anchor Handling Tug Supply Vessel
Designer	Guido Perla & Associates, Inc.
Customer	Bourbon Offshore Division
Year Built	2007
Builder	Dayang Shipyard, China
Flag	France
Classifications	ABS * DPS-2, SOLAS FFV1 *AMS *AH Towing Vessel Offshore Support Vessel

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