



Environmentally friendly diesel electric propulsion uses less fuel than conventional direct drive systems and produces far less pollution. Vessels designed to maintain a speed of 13 knots at loadline (fully loaded condition), up to 30% faster than most existing vessels of equal size.

Liquid mud tank capacity and delivery capabilities typically found only in much larger vessels. Oval liquid mud tanks with a self-cleaning system provide maximum circulation and are more cost-effective to clean than traditional square tanks.

## MAIN CHARACTERISTICS

Length Overall	64.00 m	(209.97 ft)
Length BP	61.57 m	(202.00 ft)
Beam	16.50 m	(54.13 ft)
Depth	5.80 m	(19.03 ft)
Operating Draft	4.90 m	(16.08 ft)
Scantling Draft	5.20 m	(17.06 ft)
Light Draft	2.40 m	(7.87 ft)
Operating Displacement	3,628 mt	(3,571 lt)
Maximum Displacement	3,653 mt	(3,595 lt)
Gross Registered Tonnage		1,702

## CAPACITIES

Deadweight at Max Draft	2,285 mt	(2,519 st)
Cargo Deck Area	41.5 m x 13.7 m...569 m <sup>2</sup>	(136 ft x 45 ft...6,120 ft <sup>2</sup> )
Cargo Deck Loading	5 mt per m <sup>2</sup>	(5.51 st per ft <sup>2</sup> )
Deck Cargo	1,200 mt	(1,322 st)
Fuel Oil Cargo	766 m <sup>3</sup>	(202,356 gal) (4,818 bbl)
Fuel Oil Day Tank	44 m <sup>3</sup>	(11,624 gal) (277 bbl)
Bulk Mud (4 tanks)	202 m <sup>3</sup>	(53,363 gal) (1,271 bbl)
Liquid Mud (8 tanks)	818 m <sup>3</sup>	(216,093 gal) (5,145 bbl)
Rig Water	481 m <sup>3</sup>	(127,067 gal) (3,025 bbl)
Cargo Fresh Water	206 m <sup>3</sup>	(54,419 gal) (1,296 bbl)
Ship Fresh Water	66 m <sup>3</sup>	(17,435 gal) (415 bbl)
Foam Tank		optional

## PERFORMANCE

Top Speed Max Draft	13 knots
Top Speed Light Draft	15 knots
Fuel Consumption at 4.9 m Draft	
Cruising Speed	12.5 knots 150 gph
Economical Speed	11 knots 120 gph

## DYNAMIC POSITIONING SYSTEM (CLASS II)

ABS classed DP2 Redundant Positioning System Comprising:

- 2 Alstom ADP 21 consoles
- 2 Leica MX 420 / 2 DGPS
- 1 Cyscan Laser Reference Unit
- 2 Gill Wind Observer II Anemometers
- 2 Watson Vertical Reference Units
- 2 SG Brown Meridian Gyro
- 2 DP Alarm and Event Printers
- 2 x 4 kVA Uninterrupted Power Supply
- 1 Independent Joystick Control System

## PROPULSION - MACHINERY

Total Installed Power	4,730 kW (6,342 hp)
Main Diesel Generators	2 x 1,825 kW (2,447 hp) 480 V / 60 Hz (Cummins QSK 60) 1 x 910 kW (1,220 hp) 480 V / 60 Hz (Cummins KTA 38)
Emergency Generator	1 x 170 kW (228 hp) 480 V / 60 Hz (Cummins 6 CTA 8.3)
Main Propulsion	2 x 1,566 kW (2,100 hp) Z-drive, 360° azimuthing (Steerprop 20)
Bow Tunnel Thrusters	2 x 746 kW (1,000 hp) CPP at 1,200 rpm (Berg 12S)

## CARGO DISCHARGE

Fuel Oil	660 gpm at 196 ft (150 m <sup>3</sup> / h at 60 m)
Rig Fresh Water	660 gpm at 196 ft (150 m <sup>3</sup> / h at 60 m)
Liquid Mud (LM)	660 gpm at 196 ft (150 m <sup>3</sup> / h at 60 m)
LM Segregated System	Integrated / Segregated (4 Tanks each system)
LM Agitation	Flygt Mixers
LM Tank Cleaning System	Butterworth
Bulk Material (BM)	Compressors rated for 55 st / hr at 196 ft (50 mt / hr at 60 m)
BM Segregated System	Integrated / Segregated (2 Tanks each system)

## DECK EQUIPMENT

Rescue Boat	1 x MOB boat with davit SOLAS cargo ship safety equipment
Tugger Winch	1 x 12 st (11 mt) pull
Deck Cargo Crane (optional)	2 st @ 32.8 ft (1.8 mt @ 10 m) Telescopic boom / Electro-hydraulic
Anchor Windlass	2
Roll Reduction System	1 Roll Stabilization Tank
FiFi-1 Off Ship Fire Fighting (optional)	2 pumps at 5,283 gal / min (1200 m <sup>3</sup> / h) each 2 monitors at 5,283 gal / min (1200 m <sup>3</sup> / h) 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

2 Radars with ARPA
1 Navigation Gyro Compass
1 Autopilot
1 Depth Sounder
1 Speed Log
1 Radio System Compliant with GMDSS A3 Rules
1 EPIRB (2 radar transponders)
5 UHF, 4 VHF (bridge to bridge)
1 Weather Fax
1 Navtex
1 PA / Loud Hailer

## 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, Provision Room, Stores, Mess

## REGISTRATION

Type	Platform Support Vessel
Launch Customer	Rigdon Marine, LLC.
Year Built	2004-2005
Builder	Bender Shipbuilding & Repair Co, Inc. (USA)
Flag	U.S.A.
Classifications	ABS #A1 Offshore support vessel #AMS #DPS-2 "circle E", SOLAS, USCG Subchapter L, Full Ocean

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