



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	57.95 m	(190.12 ft)
Length Waterline	54.90 m	(180.11 ft)
Beam	14.00 m	(45.93 ft)
Depth	5.50 m	(18.04 ft)
Operating Draft	4.30 m	(14.10 ft)
Maximum Draft	4.57 m	(15.00 ft)
Operating Displacement	2,398 mt	(2,360 lt)
Maximum Displacement	2,824 mt	(2,780 lt)
Light Draft	2.70 m	(8.85 ft)
Gross Registered Tonnage	< 1,600	

CAPACITIES

Deadweight at Max Draft	1,686 mt	(1,858 st)
Cargo Deck Area	34.1 m x 11.4 m...388 m ²	(112.0 ft x 37.3 ft...4,178 ft ²)
Cargo Deck Loading	5 mt per m ²	(0.51 st per ft ²)
Deck Cargo	700 mt	(772 st)
Fuel Oil Cargo	477 m ³	(126,010 gal) (3,000 bbl)
Fuel Oil Day Tank	30 m ³	(7,925 gal) (189 bbl)
Bulk Mud (4 tanks)	156 m ³	(41,210 gal) (981 bbl)
Liquid Mud (8 tanks)	636 m ³	(168,013 gal) (4,000 bbl)
Rig Water	436 m ³	(115,179 gal) (2,744 bbl)
Cargo Fresh Water	334 m ³	(88,233 gal) (2,100 bbl)
Ship Fresh Water	34 m ³	(8,981 gal) (214 bbl)
Foam Tank	optional	

PERFORMANCE

Top Speed Max Draft	12 knots
Top Speed Light Draft	13 knots
Fuel Consumption at 4.9 m Draft	
Cruising Speed	11.5 knots 110 gph
Economical Speed	10.5 knots 85 gph

DYNAMIC POSITIONING SYSTEM (CLASS II)

ABS classed DP2 Redundant Positioning System
Comprising:

- 2 BAS IVCS Consoles
- 2 Leica MX 420 / 2 DGPS
- 1 Cyscan Laser Reference Unit
- 2 RM Young Anemometers
- 2 Vertical Reference Units
- 2 Yokogawa Gyro Compass
- 2 DP Alarm and Event Printers
- 2 7 kVA Uninterrupted Power Supply
- 1 Independent Joystick Control System

PROPULSION - MACHINERY

Total Installed Power	2,905 kW (3,894 hp)
Main Diesel Generators	2 x 1235 kW (1,655 Hp) 480 VAC, 60 Hz (Cummins KTA50) 1 x 435 kW (583 Hp) 480 VAC 60 Hz (Cummins KTA19)
Emergency Generator	1 x 113 kW (151 Hp) 480 VAC, 60 Hz (Cummins / Onan DGDK)
Main Propulsion	2 x 843 kW (1130 Hp) L-Drive, 360° azimuthing thruster 1 x 843 kW (1130 Hp) L-Drive, fixed thruster
Bow Tunnel Thrusters	2 x 560 kW (750 Hp) fixed pitch variable speed thrusters

CARGO DISCHARGE

Fuel Oil	660 gpm at 196 ft (150 m ³ / h at 60 m)
Rig Fresh Water	660 gpm at 196 ft (150 m ³ / h at 60 m)
Liquid Mud (LM)	660 gpm at 196 ft (150 m ³ / 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
Deck Cargo Crane (optional)	2 st @ 32.8 ft (1.8 mt @ 10 m) Telescopic boom / Electro-hydraulic
Anchor Windlass	1
Roll Reduction System	Bilge Keels
Firefighting System Class 1 (optional)	2 pumps at 5,283 gal / min (1200 m ³ / h) each 2 monitors at 5,283 gal / min (1200 m ³ / 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 bulk mud cargo system

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 12 people composed of:
2 x 1 man cabins
3 x 2 man cabins
1 x 4 man cabins
Galley, Provision Room, Stores, Mess

REGISTRATION

Type	Offshore Supply Vessel
Designer	Guido Perla & Associates, Inc.
Launch Customer	Rigdon Marine, LLC.
Year Built	2007-2008
Builder	Bollinger Shipyards Inc.
Flag	U.S.A.
Classifications	ABS #A1 #AMS #DPS-2 "Circle E", SOLAS, USCG Subchapter L, Full Ocean

Seattle: Corporate Office

Columbia Center
701 Fifth Ave, Suite 1200
Seattle, WA 98104, USA

Tel: +1 206 768 1515
Fax: +1 206 768 9700
Info/Sales: gpa@gpai.com

Shanghai: Asia Office

Fortune Gate
1701 Beijing W. Road, Suite 1004
Shanghai 200040, China

Tel: +86 21 6288 5959
Fax: +86 21 6288 0304
Info/Sales: gpaChina@gpai.com

Guido Perla Europe GmbH

Westerwaldstraße 1
56335 Neuhäusel (by Koblenz)
Germany

Tel: +49 2620 954987
+1 206 774 8274
Fax: +49 2620 954988
Info/Sales: gpaEurope@gpai.com