

67.8 m SEISMIC SURVEY / RESEARCH VESSEL



Key Particulars

- 2D / 3D Source
- 4 Streamers

- 20m Helideck
- 4400 BHP

- 48 Passengers
- Fi-Fi Ship

Vessel Specifications

PRINCIPAL PARTICULARS

Year Built	2005
Place Built	Jiangsu Zhenjiang Shipyard Co Ltd
Length Overall	67.80 m
Length BP	61.70 m
Breadth Moulded	16 m
Depth Moulded	16.00 m
Draft (max)	5.50 m
Freeboard (SLL)	502.00 mm
Class	ABS
Notation	A1 (E), AMS
GRT / NRT	2995.00 T / 889.00 T
Deadweight	1260 T

PERFORMANCE

Maximum Speed	12.5 Knots @ 12 T/24hrs
Economic Speed	10 Knots @ 9.5 T/24hrs

PROPULSION SYSTEM

Main Engines	22 x Caterpillar 3516B, 2100 BHP, 1566 kW
Auxiliary Engines	2 x Caterpillar C18, 383 kW @ 1500 rpm; Caterpillar 3412, 430 kW @ 1500 rpm
Emergency Generator	Caterpillar 3056 T, 92.5 kW
LMF Compressor Engine	2 x Caterpillar 3512, 2239 kW @ 1925RPM
Shaft Generator	Leroy Somer LSAM 49.1M7, 450 kW @ 1500 RPM
Air Compressor	2 x Sperre HL2/77
Bow Thruster	Kawasaki, KT-72B3 CPP driven by Caterpillar C18, 662 BHP @ 1800 RPM
Propellers	2 x CPP 4 Blades in fixed nozzles, 215 RPM 2.6 m
Steering Gear System	2 x Propellers Royce SR622-200
Rudder	2 x 7T Electro-Hydraulic torque

TANK CAPACITIES

Fuel Oil	936.87 m ³
Fresh Water	167.00 m ³
Drill Water	127.87 m ³
Ballast Water	528.36 m ³
Brine	Nil
Bilge	11.31 m ³
Dirty Oil	11.31 m ³
Dry Bulk	Nil
Sewage Holding	5.62 m ³

CARGO DISCHARGE CAPACITIES

Cargo Oil Pump	Garbarino 100 m ³ /hr @ 60 m head
Fuel Oil Transfer Pump	Garbarino 2 x 9 m ³ /hr @ 20 m head
Fresh Water Cargo Pump	Garbarino 100 m ³ /hr @ 60 m head
Drill Water Pump	Garbarino 100 m ³ /hr @ 60 m head
Bilge & Ballast	Garbarino 65 m ³ /hr @ 60 m head
LO Transfer Pump	Garbarino 24 m ³ /hr @ 40 m head

DECK EQUIPMENT

Anchors & Chain	2 x HY-14 Anchor 2000 kg, 38 mm Dia, Grade 3 steel stud link chains, port - 330m, stbd - 357.5m Marine Equipment pte. LTD. ME
Anchor Windlass c/w Bow	10THAML38-C450 10T @ 15m/min, Brake Holding 38 T
Capstan	2x ME Pte. LTD. ME 5THVC450, 5T @ 15m/min
Crane	2 x Plimsoil, PC-HOSC160-07009P-R, SWL 7T, Outreach2, 4-9Mtr

SEISMIC EQUIPMENT

Streamer Winches	4 x 3 T x 51 mm x 8 km
Tow Points	4 units
Gun Winches	3 x Double drum x 76.2 mm x 400 m

OTHER FEATURES

Helideck	CAP 437, ICAO, Maximum "D" value: 20.0 (single rotor) Maximum take-off weight: 9.3 T
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ACCOMMODATION

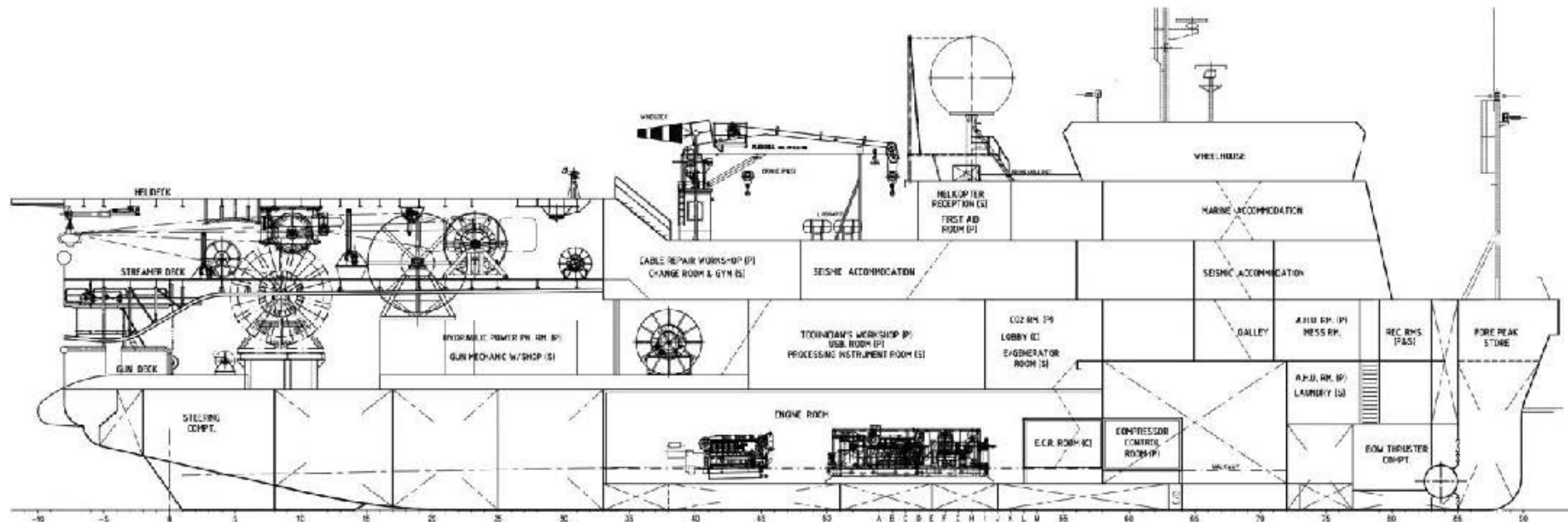
Berths	8 x 1, 16 x 2, 2 x 4
Total Pax	48 Pax (including marine crew)

INTERNAL FI-FI & ANTI-POLLUTION EQUIPMENT

Emergency Fire Pump	Garbarino MU 40-200 MA 35m ³ /h @60 m head
CO2 Fi-Fi System	Engine room, Incinerator & Bow Thruster room, Galley, Paint store
Flexi Fog Fixed System	Heiein Larsen
Foam Fixed System	Streamer reel, Storage Streamer reel
Helideck Fire Fighting	2x Foam Monitor
Fire Detection & Alarm	One, Minerva Marine T1016, 35 m ³ /hr

LIFE-SAVING EQUIPMENT

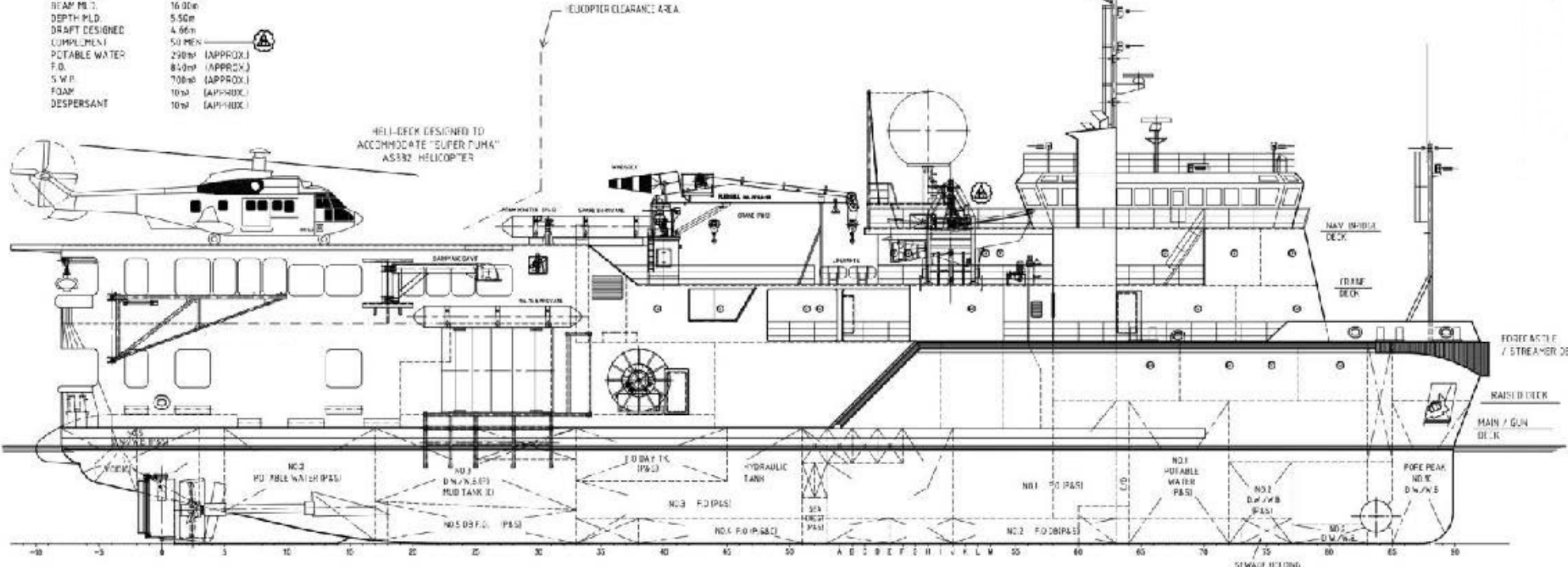
Life Rafts	4 x 25 men, 2 x 25 men, 1 x 6 men Inflatable Life Raft
Rescue Boat c/w Davit	1 x 15 men with davit



CENTRELINE PROFILE

PRINCIPAL PARTICULARS

LENGTH O.A.	67.80m
LENGTH W.L.	65.50m
BEAM M.L.	16.00m
DEPTH M.L.D.	5.50m
DRAFT DESIGNED	4.66m
COMPLEMENT	50 MEN
POTABLE WATER	290m ³ (APPROX.)
F.O.	850m ³ (APPROX.)
S.W.P.	700m ³ (APPROX.)
FOAM	10m ³ (APPROX.)
DESERSANT	10m ³ (APPROX.)



OUTBOARD PROFILE