

GEO CASPIAN

108.30m Seismic Survey Vessel



This brief specification describes the basic characteristics for the new seismic survey vessel Geo Caspian, designated ST-327L CD by Skipsteknisk AS for owner Volstad Maritime AS. ST-327L CD is designed for worldwide operation in tropical and cold waters, for cost efficient operations, environmentally friendly solutions and high crew and operation comfort.

SPECIFICATIONS AT A GLANCE

- 108.30m (loa), max. draft abt. 7.50m
- 70-person accommodation in single cabins
- Hospital
- Instrument rooms
- Conference room and offices
- Galley / mess room / 7 lounges
- Cinema / Training room / Fitness area
- Sikorsky S-92 rated helideck
- 16 streamer winches
- Diesel electric propulsion plant
- Anti-rolling tank

Particulars are believed to be correct but are not guaranteed.

GEO CASPIAN | 108.3m Seismic Survey Vessel

Vessel Flag and Class

Vessel Type	Seismic Research Vessel
Vessel Name	Geo Caspian
Flag	Norwegian
Year Built	2010
Class	BNV + 1A1, Ice Class C, E0, SF, COMF-C(3)-V(3), HELDK-SH, RP, Clean Design, NAUT AW

Vessel Main Details

Length	108.30m (loa) 96.60m (bp)
Breadth	24.00m / 28.00m
Draft	abt. 7.50m
Depth to main deck	9.60m
Deck length max.	46.50m
Deck breadth	28.00m

Capacities and Capabilities

Diesel oil	abt. 2100m ³
Speed	abt. 16 knots max.
Service speed	abt. 14 knots
Fresh water capacity	abt. 500m ³

Machinery

Propulsion	Diesel electric propulsion plant
2 x CP propellers in nozzle	Each of 4.5 mW
Bow thruster	1 x 2000 kW tunnel thruster
Azimuth thruster	1 x 2200 kW retractable thruster
Generator set	2 x 4300 kW
Generator set	4 x 1600 kW
Space reserved for SCR in casing Emergency generator	As per class

Cranes and Deck Equipment

Deck crane I	12 ton / 18m
Deck crane II	12 ton / 18m
Deck crane III	5 ton / 20m
2x Capstans each of	10 tons

Seismic Equipment

Streamer winches	16
Single source up to 9000 in ³	Double up to 4500 in ³
Seismic compressors	3 x 1700 cfm

Tank Capacities

Diesel oil	abt. 2100m ³
Fresh water	abt. 500m ³

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Anti-Rolling Tanks

1 x Passive anti-rolling tank

Life-Saving and HSE

Lifeboats 2 x for 70 persons each craft
MOB / Rescue boat
According to SOLAS For the specified class and number of crew

Accommodation and Offices

Number of single berths / rooms 75
Hospital
Galley / mess room
5 lounges + Library
Instrument rooms/offices/conference rooms
Cinema/training room for up to 54 persons
Fitness area Dedicated, equipped gymnasium
Wardrobes/duty mess/heli-reception area

Seismic Navigation and General Equipment

Communications All navigation, communications and general equipment are state-of-the-art for this kind of vessel
GMDSS Area 3
HiPap 2 x HiPap trunks

Helicopter Landing Deck

Designed for Sikorsky S-92 / S-G1