

Vessel Specifications



MV OFFSHORE GUARDIAN

Aluminium Utility / Survey / Patrol Vessel / DP

GENERAL

Year Built	2015
Designer	Lomocean Designs NZ
Builder	Profab Engineering NZ
Survey	AMSA 2B / 28 Passengers
Call Sign	VZXN
Home Port	Darwin, N.T
Design	DP1 Aluminum Survey
Hull Construction	Aluminium

DIMENSIONS

Length Overall	34.0 metres
Draft Maximum	2.20 metres
Beam	11.0 metres
Deck Area	18 x 10 metres
Usable Deck Area	140 m ²

MANOUEVERING & PROPULSION SYSTEM

Main Engines	2 x C18 Caterpillar 870 hp
Drive System	2 x Conventional Shaft
Bow & Stern Thruster	4 x 150hp Electric Thrusters & Split Rudders

ELECTRIC POWER GENERATION

Main Generator	2 x Cat C7 150Kw
ROV Generator	1 x Cat C9 200Kw
Thruster Generator	1 x Cat C18 450Kw

TANK CAPACITY

Fuel	60,000 litres
Water	14,000 litres
Blackwater	14,000 litres
Desalination Plant	6,480 litres/day

DECK & LIFTING EQUIPMENT

Tugger Winch	20 Tonne Pull
A-Frame	20 Tonne Lift
Moon Pool	2 x Fixed 1 Retractable
Deck Cranes	Palfinger 32002M 15T @ 4.5mtrs, 2T@15mtrs
4 Point Anchoring	4 x Electric Winches 700mtrs 22mm Wire
Deck Strength	2.5 T/m ²

RADIO AND NAVIGATIONAL EQUIPMENT

AIS	Furuno
GPS	2 x Furuno Satellite
Auto Pilot	Furuno
Echo Sounder	2 x Furuno Colour
Chart Plotter	Maxsea & Furuno Nav Net
Radar	Furuno 48 nm & 24 nm
Radios	1 x Furuno HF & 4 x Furuno Motion Sensor
Watch Keeper Alarm	Magnetic, Satellite, Gyro
Compass	Simrad FB250
Satellite Phone	Next G & Simrad FB250
Email & Internet	FIIR Remote Control
Night Vision	Navis 4000
Dynamic Positioning	

PERFORMANCE

Maximum Speed	15 knots
Economical Speed	11 knots
Bollard Pull	14 ton
Fuel Consumption	120 litres/hour @ 11 knots 30 litres/hour @ 4 knots 5,500 nm @ 11 knots
Range	

ACCOMMODATION

Cabins	14 x 2 Berths 7 x Showers & Toilets
Galley & Mess	Mess seating 24 Persons
First Aid	1 x First Aid Cabin with Bed



GUARDIAN
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