

Vessel Specifications



MV OFFSHORE EXPRESS

Aluminium Utility / Survey / Patrol Vessel

GENERAL

Year Built	2016
Designer	Lomocean Designs NZ
Builder	Profab Engineering NZ
Survey	AMSA 2B Ext 18 PAX
Call Sign	VZSL
Home Port	Darwin, N.T.
Design	Wave Piercing Hull
Hull Construction	Aluminium

DIMENSIONS

Length Overall	23.9 metres
Draft Maximum	1.9 metres
Beam	9.5 metres
Deck Area	9.1 x 10 metres
Usable Deck Area	91 m2

MANOUEVERING & PROPULSION SYSTEM

Main Engines	2 x C32 Caterpillar 1600 hp ea
Drive System	2 x V Drive Shaft / ZF Gearbox
	2 x Conventional Propellers
Bow & Stern Thruster	4 x 100hp Hydraulic Thrusters

ELECTRIC POWER GENERATION

Main Generators	2 x Cat C7 / 86 Kw / 3 Phase
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TANK CAPACITY

Fuel	25,000 litres
Water	2000 litres
Black / Grey water	2000 litres
Desalination Plant	6,480 litres/day

DECK & LIFTING EQUIPMENT

Winch	5 Ton winch Fitted
A-Frame	5 Ton A Frame Fitted
Moon Pool	1 x Fixed – 1.2m x 1.2m
Deck Crane	Palfinger PK 8500 7T Max Reach 9.5m @.75 T
Deck Strength	2.5 T/m2

RADIO AND NAVIGATIONAL EQUIPMENT

AIS	Furuno
GPS	2 x Furuno
Auto Pilot	Furuno
Echo Sounder	2 x Furuno
Chart Plotter	Maxsea
Radar	Furuno
Radios	ICOM
Watch Keeper Alarm	Furuno Motion Sensor
Satellite Phone	Fitted
Email & Internet	Fitted
Night Vision	Fitted

PERFORMANCE

Maximum Speed	34 knots
Service Speed	26 knots
Economical Speed	12 knots
Bollard Pull	
Fuel Consumption	350 litres/hour @ 34 knots 250 litres/hour @ 26 knots 30 litres/hour @ 5 knots
Range	34 Days at 5 Knots

ACCOMMODATION

Cabins	2 x 2, 2 x 3, 2 x 4 Berths
	2 x Showers, 3 x Toilets
Galley & Mess	Mess seating 10 Persons



GUARDIAN
OFFSHORE AU

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