

VARD 7 085

Offshore Patrol Vessel



VARD 7 085

DESIGNER: Vard Marine Inc.
BUILT BY: BAE Systems Australia
OWNER: Royal New Zealand Navy
DELIVERED: 2010
DESIGN: VARD 7 085

The VARD 7 085 is designed to conduct maritime surveillance, in conjunction with maritime air patrol assets, to monitor New Zealand's EEZ, the South Pacific and in the Southern Ocean. Tasks in the southern half of the EEZ are mostly offshore, but activity in the south almost doubles during winter, coinciding with the worst sea states.

HMNZS 'Wellington' and 'Otago' were delivered to the New Zealand Navy in 2010. Since delivery, these patrol vessels have proven the quality of their design by enduring Sea State 9 conditions in the Ross Sea, and other expeditions in the Antarctic.



Specifications

MAIN PARTICULARS

Length overall	85.0 m	278'-10"
Length waterline	77.6 m	254'-7"
Breadth moulded	14.0 m	45'-11"
Depth main deck	6.8 m	22'-4"
Design draft	3.6 m	11'-10"

PERFORMANCE

Installed power	10,800 kW	14,480 hp
Speed	23.0 kn max	
Range	6,000 NM @ 15 kn	
Endurance	21 days	

CLASS

LRS 100 A1 SSC PATROL MONO G5 - ICE CLASS 1C, LMC UMS

CAPACITIES

Fuel oil	360 m ³	95,040 USG
Fresh water	46 m ³	15,730 USG
Lube oil	12 m ³	4,100 USG
Aviation fuel	21 m ³	5,540 USG

PROPULSION MACHINERY

Main engines	2 x 5,400 kW	2 x 7,240 hp
Bow thrusters	1 x 450 kW	1 x 600 hp
Diesel generators	2 x 530 kW	2 x 710 hp
Emergency generators	1 x 103 kW	1 x 138 hp
Shafts with CPP	2 x propellers 2.8 m dia	
Gearboxes	2 x ZF W63000 NRH	

AVIATION

Kaman SH-2G Super Seasprite at 6,115 kg max take off weight.

Helicopter landing deck, hangar, refuelling, and transversing systems.

WEAPONS

Browning machine guns	2 x 50 calibre
Naval gun system	1 x MSI 25 mm

COMPLEMENT

80 persons

