

VARD 9 105

Research Vessel



VARD 9 105

- DESIGNER:

Vard Marine Inc.
- BUILT BY:

Appledore Shipbuilders
- OWNER:

Royal Naval
- DELIVERY:

2002
- DESIGN:

VARD 9 105

The VARD 9 105 is a Hydrographic Research Vessel designed for the United Kingdom's Royal Navy. The two sister ships, HMS Echo and HMS Enterprise , were designed to carry out a wide range of oceanographic and hydrographic surveys, as well as collect bathymetric data from the ocean.

A unique feature of this design is how it utilizes azimuth thrusters, where the propellers are part of a swivelling pod, allowing for precise manoeuvring.

Specifications

MAIN PARTICULARS

Length overall	90.6 m	297'-3"
Length waterline	86.0 m	282'-1"
Breadth moulded	16.8 m	55'-0"
Depth main deck	8.95 m	29'-4"
Design draft	5.5 m	18'-0"

PERFORMANCE

Installed power	4,880 kW	6,435 hp
Speed		16.0 kn max
Range	9,300 NM @ 12 kn	
Endurance		35 days

CLASS

Classification Lloyds 100A1, Survey vessel, Ice class 1C +LMC, PMSR+, UMS

PROPULSION MACHINERY

Main engines	3 x 1,600 kW	3 x 2,145 hp
Azimuthing drives	2 x 1,700 kW	2 x 2,280 hp

LIFESAVING EQUIPMENT

RIB	1 x RIB
Liferafts	2 x 50 man
Survey Motor Boat	1 x SMB
Dive boat	1 x dive boat

AUXILIARY MACHINERY

Harbour generator	1 x 550 kW	1 x 735 hp
Emergency generator	1 x 350 kW	1 x 470 hp
Bow tunnel thruster	1 x 400 kW	1 x 535 hp

COMPLEMENT

72 persons

