

# VARD 9 105 HSV

Hydrographic Survey Vessel





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**DESIGNER:** Vard Marine Inc.  
**BUILT BY:** South African Shipyards  
**OWNER:** South African Navy  
**DELIVERY:** TBD  
**DESIGN:** VARD 9 105 HSV

The VARD 9 105 is a Hydrographic Survey vessel designed for the South African Navy to perform hydrographic surveys and scientific research around Southern Africa and Antarctica. The core mission of the vessel is hydrographic and oceanographic surveys. Secondary mission capabilities include search and rescue, disaster relief, replenishment at sea and cargo resupply.

The vessel is designed to Lloyd's Naval Rules for worldwide operation, with capability to operate in Antarctica in the summer months.

A wide array of state-of-the-art science and survey equipment is built into the design, with hydrographic survey sensors mounted on a gondola below the hull. The hull form has been optimized to minimize bubble sweep down for improved sensor performance. Accommodation for 120 sailors and scientists is provided along with aviation and medical facilities.



# Specifications

## MAIN PARTICULARS

Length overall	95.0 m	311'-8"
Length waterline	91.08 m	298'-10"
Breadth moulded	17.5 m	57'-5"
Depth main deck	8.95 m	29'-4"
Design draft	5.65 m	18'-0"

## PERFORMANCE

Installed power	12,960 kW	17,380 hp
Speed		18.0 kn max
Range	10,000 NM @ 15 kn	
Endurance		44 days

## CLASS

✕100A1 NS (SR), Hydrographic Survey Vessel, SA1, AIR, PC7  
 ✕LMC, UMS, RAS(ABV)(NT), LA(NS), DP(AM), LMA LSAE\*(NS), ESC\*(NS), FIRE\*(NS), SNC DNV  
 Silent A

## PROPULSION MACHINERY

Main engines	2 x 3,900 kW	2 x 5,230 hp
Auxiliary engines	3 x 1,600 kW	3 x 2,146 hp

## LIFESAVING EQUIPMENT

Liferafts	16 x 20 persons
Survey Motor Boat	2 x SMB
Sea Boat	1 x sea boat

## COMPLEMENT

120 persons

