

# VARD 9 109

Offshore Oceanographic Science Vessel





# VARD 9 109

**DESIGNER:** Vard Marine Inc.  
**BUILT BY:** Seaspan Vancouver Shipyard  
**OWNER:** Canadian Coast Guard  
**DELIVERY:** TBD  
**DESIGN:** VARD 9 109

The VARD 9 109 is an Offshore Oceanographic Science Vessel that exhibits exemplary sea keeping and maneuverability capabilities consistent with conducting multi-purpose oceanographic science missions. The OOSV has seven integrated science laboratories and an extensive list of equipment including:

- Coring crane
- Core handler
- CTD LARS
- Hydro winch
- Foredeck crane 3.3 MT
- Oceanographic winch (20 MT)
- CTD winch (6.6 MT)
- Seismic town booms

# Specifications

## MAIN PARTICULARS

Length overall	78.1 m	256'-0"
Length waterline	70.5 m	231'-2"
Breadth moulded	16.0 m	52'-5"
Depth main deck	9.1 m	29'-8"
Design draft	6.0 m	19'-7"

## PERFORMANCE

Installed power	3,855 kW	5,170 hp
Speed	13.7 kn max	
Range	13,250 NM @ 12.0 kn	
Endurance	84 days	

## CLASS

LR + 100A1 Oceanographic Research Vessel, +LMC, Ice Class PC6, UMS, DP, NAV1, IBS, PSMR, CAC2

## CAPACITIES

Fuel oil	640 m <sup>3</sup>	169,000 USG
Fresh water	78 m <sup>3</sup>	20,600 USG
Lube oil	9 m <sup>3</sup>	2,300 USG
Water ballast	772 m <sup>3</sup>	203,900 USG

## PROPULSION MACHINERY

Main engines	3 x 1,285 kW	3 x 1,720 hp
Azimuthing Z-drives	2 x 1,350 kW	2 x 1,810 hp

## AUXILIARY MACHINERY

Emergency genset	1 x 250 kW	1 x 335 hp
Bow thruster	1 x 830 kW	1 x 1,110 hp

## DECK EQUIPMENT

Primary deck crane	9.5 MT @ 7.6 m
Secondary deck crane	6.5 MT @ 7.6 m
A-frame	20 MT max lifting capacity

## LIFESAVING EQUIPMENT

Lifeboats	1 x 56 man
Liferafts	4 x 35 man
Rescue boat	1 x rescue boat

## COMPLEMENT

56 persons

