

VARD 9 109

Offshore Oceanographic Science Vessel

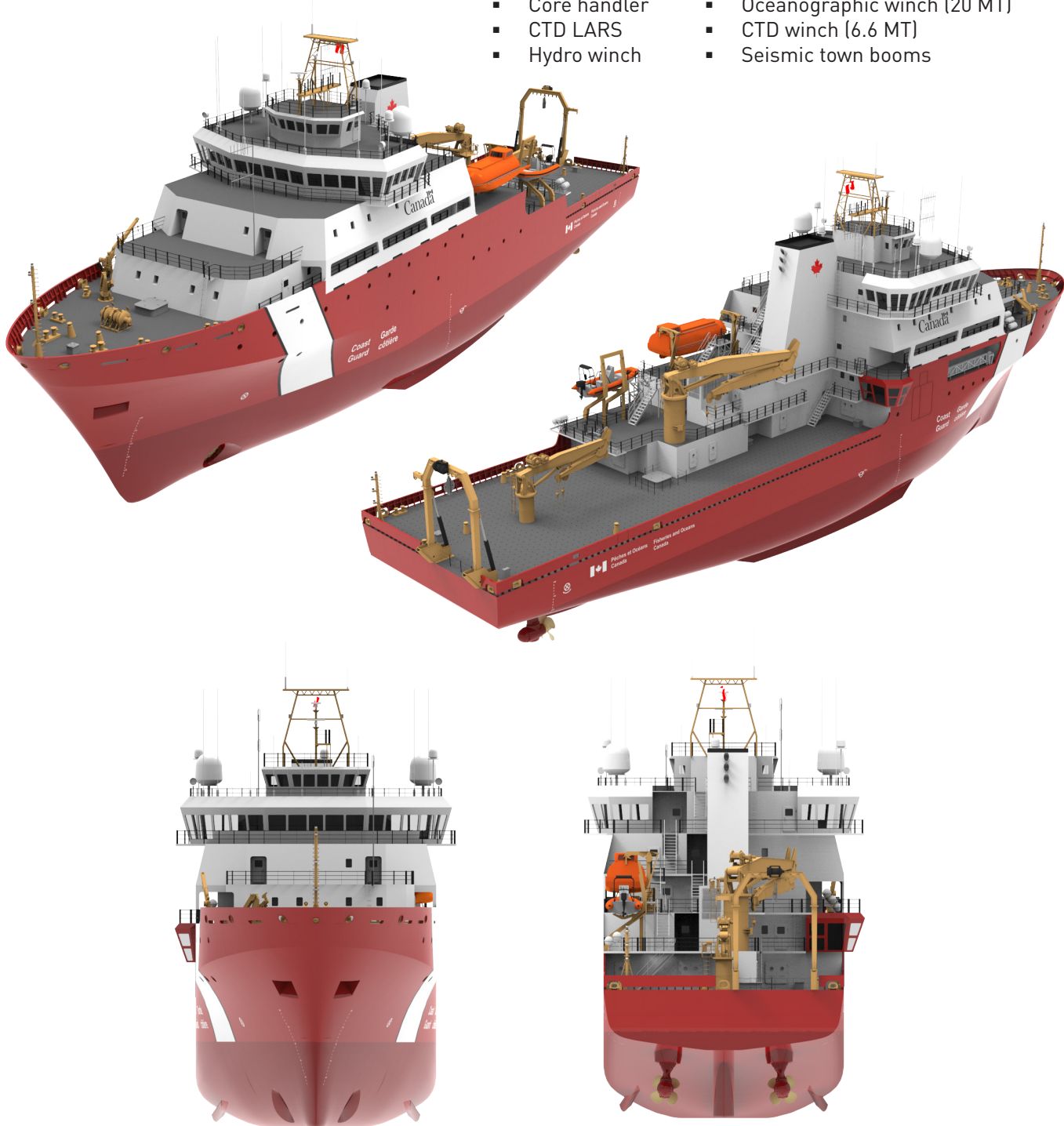


VARD 9 109

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 is a marine 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	87.93 m	288'-6"
Length waterline	78.96 m	259'-1"
Breadth moulded	17.6 m	57'-9"
Depth main deck	9.25 m	30'-4"
Design draft	6.2 m	20'-4"

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 ³	169,000 USG
Fresh water	78 m ³	20,600 USG
Lube oil	9 m ³	2,300 USG
Water ballast	772 m ³	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

60 (34 crew and 26 scientists)

