The VARD 9 206 is a Polar Icebreaker designed to be the flagship vessel for the Canadian Coast Guard and will serve a multitude of missions in the Arctic. Some of those missions include maintaining sovereignty and presence; arctic science, weather/ice monitoring; economic/commercial development; national security; northern re-supply and logistics support; search/rescue, environmental/emergency response; fisheries conservation and protection.

**Specifications**

### MAIN PARTICULARS

- **Length overall**: 150.1 m (492'-6")
- **Length waterline**: 137.6 m (451'-5")
- **Breadth moulded**: 28.0 m (91'-10")
- **Depth main deck**: 13.5 m (44'-4")
- **Design draft**: 10.5 m (34'-6")

### PERFORMANCE

- **Installed power**: 39,600 kW (53,100 hp)
- **Speed**: 3.0 kn, 2.5m ice, 18.0 km water
- **Range**: 26,000 NM @ 12 kn water
- **Endurance**: 1,800 NM @ 3.0 kn, 2.2 m of ice

### CLASS

- LR 100A1 Icebreaker(+), Ice Class (PC2), DP(AM), Winterization (H-35) & (A-40), LMC, IBS, NAV1, UMS, CCS, IFF, PSMR, CAC3

### CAPACITIES

- **Fuel oil**: 5,121 m³, 1,352,825 USG
- **Fresh water**: 209 m³, 55,211 USG
- **Water ballast**: 5,934 m³, 1,461,928 USG
- **MOGAS**: 25 m³, 6,604 USG
- **Aviation fuel**: 343 m³, 90,611 USG

### AVIATION

- **Hangar**: 2 x medium lift
- **Flight deck**: Heavy lift helicopter CH-149

### MAIN MACHINERY

- **Main engines**: 4 x 8,400 kW (5 x 2,145 hp)
- **FPF azimuthing**: 1 x 12,000 kW (1 x 14,751 hp)
- **FPF wing shafts**: 2 x 11,000 kW (2 x 16,092 hp)
- **Emergency generator**: 2 x 750 kW (1 x 1,005 hp)
- **Bow thruster**: 2 x 1,900 kW (2 x 2,547 hp)

### LIFESAVING EQUIPMENT

- Rescue lifeboats: 2 x 80 man fully enclosed
- Liferafts: 2 x 25 man MES

### DECK MACHINERY

- Cargo cranes: 2 x 660 T-M
- Aft working deck crane: 2 x 220 T-M
- Boat deck crane: 2 x 90 T-M
- Multi-purpose davits: 2 x RHIBS (7.5 m - 11m)
- Pollution response vessel: 1 x Vessel
- Access ramps: 2 x garage doors watertight

### SCIENCE EQUIPMENT

- Side deployment system
- Long coring system
- Moonpool handling system
- Forward and Aft A-frame

### COMPLEMENT

- 60 core crew + 40 program personnel