



Harry DeWolf Class Arctic Offshore Patrol Ship (AOPS)

- Sovereignty Patrol
- Maritime Domain Awareness
- Assistance to Other Government Departments
- Humanitarian Assistance and Disaster Relief
- Counter-Terrorist Operations

Ship Characteristics

- Length: 103.6 metres
- Beam: 19.0 metres
- Displacement: 6,615 tonnes
- Speed (open water): 17 knots
- Complement: 65 crew + 20 embarked forces
- Endurance: 120 days
- Range: 6,800 nautical miles at 14 knots

Landing Craft / Small Boats

- 12 metre landing craft
- Two 35+ knot/ 8.5 metre Multi-Role Rescue Boats
- Two 50 person fully enclosed life boats or
- Two 9-12 metre rigid hull inflatable boats (RHIBs)

Aviation

- Able to operate and hangar CH-148 Cyclone or small utility helicopter
- Hangar storage
- Helicopter in-flight refuel capable

Radars

- Surveillance Radar (S Band) (includes helicopter control and approach functionality)
- Navigation Radars (S and X Bands)

Communication/Navigation

- HF/ VHF/ UHF
- SATCOM (Ku and X Bands)
- GMDSS
- Inertial Navigation System
- Integrated Bridge Navigation System

Propulsion & Manoeuvring

- Integrated Diesel/ Electric Power and Propulsion
- 2 x 4500 kW Motors and 4 x 3600 kW Diesel Generators
- Twin 3.8 metre fixed-pitch, 4-blade propellers
- Twin semi-spade rudders
- Retractable active fin stabilizers for roll reduction
- Bow Thruster for manoeuvring and berthing without tug assistance

Auxiliaries

- 1360 kW Emergency Generator
- HVAC including winterization B (-29)
- Two Anchors (2,655 kg each)
- Integrated Platform Management System

Armament

- BAE Systems Mk38 (25mm) remote-controlled gun
- 2x50 calibre machine guns

Enclosed Fo'c'sle/ Cable Deck

- Protects foredeck machinery and personnel from harsh Arctic environment