



IMR Norway - Kronprins Haakon

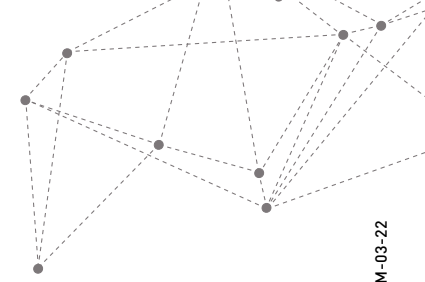
Polar Research Vessel

FINCANTIERI
The sea ahead



IMR Norway - Kronprins Haakon Polar Research Vessel

— Ice going Marine Research Vessel, suitable for unassisted operations worldwide, including the Arctic and Antarctic areas.
The vessel can accomplish multiple missions, including oceanography, hydrography, marine biology, geology, ROV / AUV / seismic / helicopter / cargo handling / launch & recovery operations, students training.



_ main characteristics

Length overall.....	abt. 100.00 m
Length between perpendiculars.....	abt. 84.80 m
Moulded breadth.....	abt. 21.00 m
Full load displacement.....	abt. 10,885 t
Icebreaking design draft.....	abt. 7.80 m
Icebreaking maximum draft.....	abt. 8.10 m
Maximum draft scantling.....	abt. 8.65 m
Speed.....	15 kn
Range at 11-12 kn.....	15,000 nm
Crew.....	55 people
Single cabins.....	21
Double cabins.....	17

MAIN MACHINERY

Azimuth thrusters aft.....	2 x abt. 5,000 kW
MDGs.....	2 x abt. 4,300 bkW + 2 x abt. 2,900 bkW

Auxiliaries:

Harbour diesel generator.....	abt. 1,000 ekW
LNG-driven generator (on deck).....	abt. 1,000 ekW
Emergency diesel generator.....	abt. 500 ekW

_ main systems

- 1 Drop keel facility for underwater transducers
- 1 Dynamic Positioning System DPS1 with Hydro Acoustic reference system
- 1 Integrated navigation systems and GMDSS Area A4 with VSAT communications equipment
- 1 Deep and shallow water multi beam echo sounder
- 1 Medium and deep Water Sub Bottom profiler
- 1 ADCP and deep water single beam echo sounder
- 1 Intermediate and long range omnidirectional fisheries Sonars
- 1 Hydrophones for trawl geometry and catch monitoring systems

Winches and cranes systems for scientific operations:

- ROV operations
- CTD sampling operations
- Fishing trawl operations
- Giant piston corer
- 1 Main Deck Crane 12 T @ 20 m
- Seismic streamer operations capabilities
- Various container cargo capabilities
- 16 scientific laboratories

HELO CAPABILITIES

Flight deck for Super Puma, EC225 or similar and hangar for 2 off light helicopter type AS 350 Ecourel

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