Polar Research Vessel
IMR Norway - Kronprins Haakon
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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 Equerreil.

— 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.