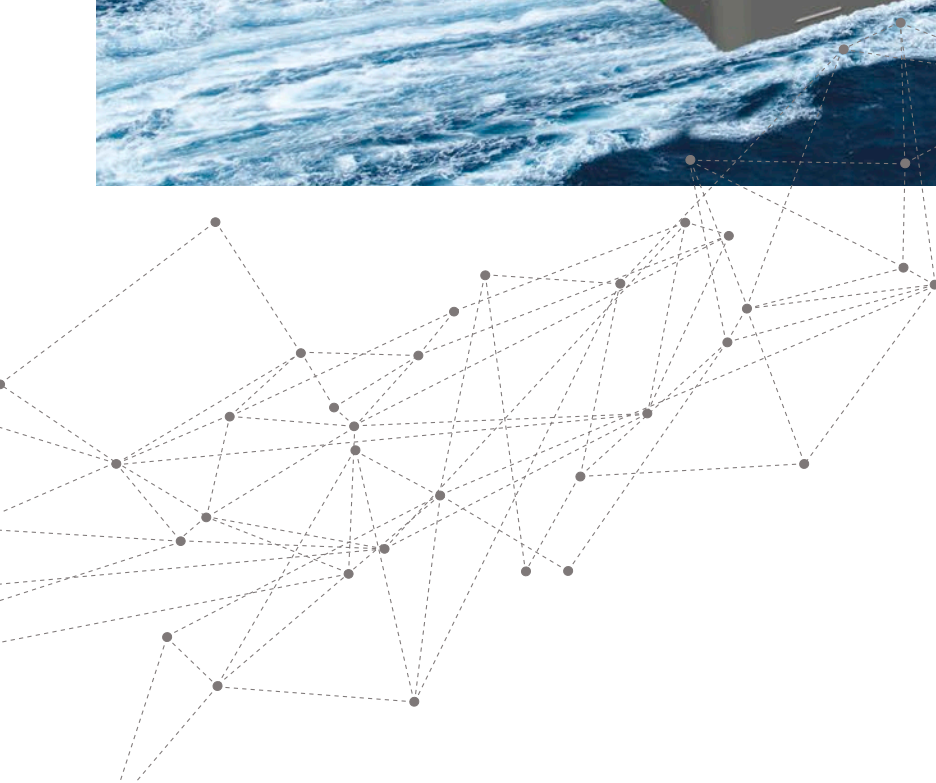




Polar Research Vessel  
IMR Norway - Kronprins Haakon

**FINCANTIERI**  
The sea ahead

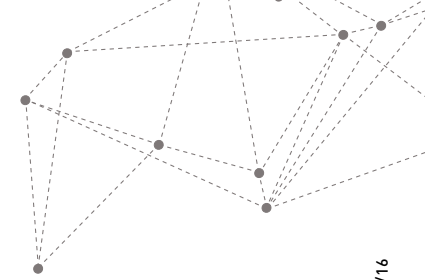


# Polar Research Vessel

IMR Norway  
Kronprins Haakon

## \_ main characteristics

— 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.



sintesa/HUB M-14/16

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



Courtesy by Rolls-Royce

### 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 Equeriel

**FINCANTIERI**  
The sea ahead



### Head Office

Via Genova, 1 - 34121 Trieste (Italy)  
ph. +39 040 3193111 - fax +39 040 3192305

### Naval Vessels

Via Cipro, 11 - 16129 Genova (Italy)  
ph. +39 010 59951 - fax +39 010 5995379/272

fincantieri.com