

Technical

Length overall = 93 metres

Gross tonnage = 3,180 tonnes

Moulded beam = 15.20 metres

Sustained sea speed (Clean Hull) = 16.3 knots

Draught, full load = 5.2 metres

Effective range at 11.5 knots = 7200 nm

Displacement, loaded = 2,920 tonnes

Endurance port to port = 26 days

Fuel consumption = approx. 8 tons per 24 hours of economical steaming at 12 knots. 5 tons per 24 hours of low speed scientific operations.

The vessel is comprehensively equipped with a suite of deck handling 'A' frames, multi-purpose winches, cranes and workboats as well as with extensive laboratory and working deck space.

Communications

High speed digital data exchange is available. There are two independent systems for ship communications and for scientific trials but with some overlap.

The ship systems, which comply with SOLAS and GMDSS rules, includes Inmarsat A, B and C systems, is under the control of the Electronics Officer.

The scientific systems provided for the trials team includes facilities for:

- **communication during experiments**, including extensive telemetry facilities, plus voice communication in the HF, VHF and UHF bands;
- **communication with the Centre and partners** in respect of support activities and data transfer, including voice, teletype, telemetry, E-mail, fax, and HSD link are via Inmarsat B, Globalstar and Cernet phones.

Internet is on-line on the ship via an integrated port to point V-Sat system.