



Oceanographic Research Vessel

SHIPOWNER: NATURAL ENVIRONMENT RESEARCH COUNCIL

MAIN PARTICULARS

Length o.a.	99.70 m.
Length p.p.abt.	88.80 m.
Breadth:	18.00 m.
Depth mld. To main deck:	7.40 m.
Depth mld. To upper deck:	10.20 m.
Depth mld. To mezzanine deck:	13.00 m.
Draught max.abt.:	6.50 m.
Freeboard deck:	Main deck
Dynamic Positioning	DP (AM)
Gross Tonnage	5,952 GT.

COMPLEMENT 52 persons : 24 crew + 28 scientists

CLASSIFICATION: LR ✕ 100 A1, Ice 1D ✕ LMC, UMS, IWS, EP, DP (AM), "Research Vessel"

SPEED 15 Knots

CAPACITIES

Gas Oil/Diesel Oil :	599 m ³
Potable water:	310 m ³
Water ballast (max):	1,375 m ³

POWER

Gensets 4 Wartsila 8L20 x 1,520 kW

MAIN PROPULSION UNIT

2 Azimuth thrusters Wartsila FS2510 2,200 kW

BOW THRUSTERS

Tees White Gill 1,700 kW

RETRACTABLE AZIMUTH THRUSTER

Wartsila FS 200/MR 1,350 kW

PRINCIPAL LABORATORIES:

Main laboratory	121 m ²
General purpose laboratory	53 m ²
Main hangar area	85 m ²
Deck laboratory	65 m ²
Clean chemistry laboratory	15 m ²
Controlled environment laboratory	28 m ²
Sealed laboratory	8.8 m ²
Salinometer room	13 m ²



FREIRE
SHIPYARD

NERC SCIENCE OF THE ENVIRONMENT