



www.macduffshipdesign.com

MACDUFF SHIP DESIGN LIMITED

NAVAL ARCHITECTS / MARINE CONSULTANTS

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“AORA”

22.0m RESEARCH VESSEL, UNIVERSITY OF LONDON UNIVERSITY MARINE BIOLOGICAL STATION MILLPORT



Builder: Macduff Shipyards, Scotland.

PRINCIPAL DIMENSIONS

Length Overall:	22.00 m.
Length BP:	19.30 m.
Breadth Moulded:	7.80 m.
Depth Moulded:	4.20 m.

PROPULSION MACHINERY

Main Engines:	2 x Mitsubishi S6MPTA 350 BHp each x 1600 RPM.
Gearboxes:	2x Reintjes WAF 164L.
Ratio:	5.044:1.
Propellers:	2x fixed pitch 4 blade.
Diameter:	1600mm open.
Auxiliaries:	2 x Mitsubishi 6D22T 157 kw. 1 x Mitsubishi S45SDT 30 kw.

Laboratories:	Wet and Dry Labs with freezing facilities.
Accommodation:	9 single berth cabins.

Day facilities for 16 persons (incls crew)

Full range of navigation and scientific electronics.

TANK CAPACITIES

Oil Fuel:	29,000 Litres.
Fresh Water:	6,000 Litres.
Lub Oil:	1,000 Litres.
Hyd Oil:	1,000 Litres.

DECK MACHINERY

3 x Split Winches:	8.0 t core pull.
2 x Auxe Winches:	3.0 t core pull.
1 x Split Net Drum:	2 x 5 t core pull.
Slip Ring Winch:	37 channel 400m x 27mm.
Slip Ring Winch:	2 channel 600m x 6.5mm.
Crane:	8.0 t/m with winch.
Powerblock Crane:	8.0 t/m.
Gilson Winch:	3.0 t core pull.
Anchor Windlass:	2.5 t pull.
Electro-Hydraulic Power Packs	



Registered in Scotland: No. 143359
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