

R.V. STRAIT EXPLORER

Offshore Support / Research Vessel

GENERAL

STRAIT EXPLORER was built by Dorbyl Marine, South Africa for year round operation in the North Atlantic. The vessel has an ice strengthened moulded steel hull with ice classification. Machinery selection and configuration has been chosen for dependability, station keeping and economical operation.

DECK AND LABORATORY SPACE

Aft Lab: Air conditioned, 700 sq. ft with counters and work stations, direct access to main deck aft. Communications from aft lab through intercom, plus aft deck, fwd deck and galley to bridge.

Main Deck Aft: 1220 sq. ft. reinforced steel, clear deck. Open to stern ramp. Equipped with various cranes and winches.

0-1Deck: 700 sq. ft. steel deck, support for winches with room for modular lab or storage container. Various rigging possibilities from the two masts and stay wires.

Moon Pool/Sonar Tube: 42" diameter located amidships from main deck to bottom of keel.

Electrical Capability: Three independent diesel generators. Single phase 110/220V, 3 phase 240/440V. Shore power connection: 600/440/240V 3 phase.

Scientific Equipment: Includes seismic compressors, air gun arrays and multi beam systems.



PRINCIPAL DIMENSIONS

LOA	150 ft/45.7 m
LWL	141 ft/43 m
Beam moulded	36 ft/11 m
Design draft	14.5 ft/4.4m aft.

MACHINERY/PROPULSION

Main engine	Deutz SBV 9M 628 2100 bhp Controllable pitch prop in Kort nozzle
AC Generator	Siemens Shaft driven 890KVA 400 V
Auxiliary #2	Deutz 612/Siemens 375 kw 440 V
Auxiliary #3	GM 4-71/Siemens 50 kw 440 V
Thrusters	Bow Thruster 250 bhp

DECK MACHINERY

Stern A frame	10 ton capacity (hydraulic)
Mid-ship A frame	5 ton capacity
Deck crane	6 ton capacity (hydraulic, knuckle boom)
Stern winch	3 ton capacity
Windlass fwd	1000' of 3/4" cable on hydraulic winch
Stern Crane	20 ton capacity knuckle boom

ELECTRONICS

Radar	Sperry Visionmaster Furuno FR7062
VHF	Sailor RT5022 (2)
SSB	Ray 152 JRC JSB 196GM Radio Telephone
GMDSS	Alden Navtex Sailor TT-3000E mini-C
Sounder	Suzuki ES-5300 Suzuki ES-1080
DGPS	Koden KGP-913 (2)
Compasses	Sperry Gyro SR-120 Sperry Mod-1
Intercom	Newmar IP-10
DSC Watch	JRC NCT-196 DSC Terminal
Communications	KVH TracPhone V7 Iridium Open Port
Autopilot	Robertson AP45
Loud hailer	Ray 430

CAPACITIES

Fuel	190,000 liters
Potable water	17,000 liters + water maker
Lube Oil	2500 liters
Cruising range	10,500 miles
Cruising speed	12 knots maximum

ACCOMMODATIONS

Total compliment of 26 persons including 8 crew, HVAC throughout



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