



R/V *Cosmo*



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VESSEL PARTICULARS

Size, Type:	Intermediate-sized, research vessel (converted trawler yacht)		
Class Society, Class, Notations:	USCG, Uninspected Oceanographic Research Vessel		
Operational Region:	Galapagos Islands and nearby waters		
Home Port:	TBD, Panama	Country of Origin/Flag:	US
Gross:	62 GT	Affiliation:	GMSO
Length:	16.5 m/54 ft	Beam:	4.6 m/15 ft
Draft:	2.1 m/7 ft	Depth:	3.7 m/12 ft
Hull:	Steel		

PERFORMANCE

Max Speed:	10 kts	Cruise Speed:	8 kts
Range:	4,000 nm	Endurance (days):	7-14

OCCUPANCY / ACCOMMODATIONS

Total Scientists:	6 (day trips), 4 (overnight trips)
Cabins:	2
Crew:	1-2
Restrooms:	2 heads, 1 shower
Medical:	AED and medical kit aboard. Crew has basic medical training.
Air Conditioning:	Habitable spaces have MarinAire heat pump air conditioning and heating
Amenities:	Salon with large settee and table, laundry facilities

SCIENTIFIC / TECHNICAL EQUIPMENT

Lifting Apparatus:	Stern davit (2,000 lbs.), hydraulic deck crane (1,000 lbs.)
Winch:	TDB
SCUBA Support:	Dive platform, dive hooka compressor (50+ foot depth), dive compressor and cascade banks may be available upon request.
Sonar:	Two Raymarine ST60+, quasi multi-beam (Raymarine Axiom 2 PRO 12 RVM NO Transducer)

LABORATORIES / SCIENCE WORK AREAS

Office / Workspace:	Salon
Deck Area (m²):	Main deck space of 100 ft ² aft with additional 200 ft ² forward

ADDITIONAL VEHICLES / SUPPORT

Boats:	12' Zodiac inflatable tender, 20HP Yamaha outboard
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ELECTRONICS / NAVIGATION / COMMUNICATIONS

Navigational Equipment:	Radar/GPS/plotter/sounder (Furuno NAVnet 3D), auto pilot (ComNav), depth sounder (Raymarine ST-60+, 2 units), Raymarine Axiom 2 PRO 12 RVM NO Transducer, Raymarine Q24D Quantum 2 White Radar Dome w/ 15M cables, rudder angle indicator (Jastram), display (Greemarine), Compass (Dirigo, 8-inch), Spotlight (Carlisle & Finch), NEMA 183 and 2000, heading sensor, wind sensor, emergency beacon
Communications Equipment:	VHF radio (Icom, IC-M802), VHF radio (Icom, IC-M506), VHF radio (Standard Horizon, Matrix AIS+), VHF radio (Icom, handheld), VHF radio (Standard Horizon, HX851), HF radio (SCS, DR-7400), Stereo (Clarion, M309), cameras (Raymarine CAM 300 Eyeball CCTV day/night video IP camera)
Satellite Communications Equipment:	Starlink
GPS Equipment:	(4) satellite GPS receivers (Garmin, inReach, Furuno)

OTHER FEATURES

Active fin stabilizers for enhanced roll control, heavy steel-clad keel for improved stability, bow thruster for precise maneuvering, separate efficient slow-speed auxiliary engine with dedicated propeller, bimini-covered aft deck for sheltered operations, a large stern platform for near-water work with animals or equipment



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