

Oceanic Research Vessel : Coriolis II



Management of ships & scientific equipments



General		Machinery	
Name / Flag	Coriolis II / Canada	Main Engines	4 x Deutz
Official Number	813735	Horse Power	4800 bhp
Port of Registry	Québec (Canada)	Auxiliary	3 x Caterpillar
Operator	Reformar	Kilowatt	3 x 250 KW
Classification Society Lloyd's / IMO Number	ABS 8818570	Emergency Generator	1 x 80 kW 600V Self Starting unit
Solas / ISM / ISPS Compliant	YES	Bow thruster	Ulstein Marine 298 kW
Certification	Unlimited Voyage	Propulsion	2 x Kamewa CPP 2.5m in diam.
Call sign	CGDN	Rudders	Twin
GRT	836	Fuel Capacity	145 m ³ @ 95%
NRT	242	Fresh Water Tank	18.2 m ³
Dead weight	290	Non-drinking water	1.5 m ³
Type	Research / Patrol	Water makers	1 x desalinator
Built	Versatile Pacific Shipyard (Canada)	Daily Production	10,000 litres/day
When	1990	Hydraulic units	3 power packs, 15 GPM 3000 psi
LOA	49.95m		2 power packs Flow 60 GPM, 2000 psi
Beam	11.00m		
Draft	5.50m		

Navigation Equipt.		Accommodation	
Radio	Full GMDSS	Capacity	28 people
Radar	2 x Furuno X & S band (ARPA)	Crew	Between 10 to 14
Electronic Charts	Navi-Sailor 4000	Guests	Between 10 to 14
Echo Sounder	1 x Skipper GDS 101 (50 Ghz)	Labs	1 Dry Lab, 21 m ²
	1 x Datamarine Int'l Offshore System 3000		1 Wet Lab, 21 m ²
Gyrocompass	1 Sperry MK37		1 Deck operation control Centre, 6 m ²
Automatic Pilot	1 x EMRI	Holds	1 x 26,25 m ³
Doppler Log	1 x Sperry SRD-331	TV Lounge	1
DGPS	1 x Leica MX413	Cafeteria	1
GPS	1 x Furuno GP-31	Air conditioning	Yes
Navtex	JRC	Satellite TV	Yes
Closed circuit TV	Yes	E-mail, voice, internet	Yes, Fleet broadband 500
DP System	Kongsberg		

Winches

- 1 x Hawboldt oceanographic winch, capacity 5 tonnes, 3000 m of galvanized cable (3/4"), possibility of multi lead cable
- 1 x J.P. Oceanographic winch, Capacity 2 tonnes, 3500 m of galvanized cable (1/2"), possibility of multi lead cable
- 1 x Hawboldt winch with Capstan, Capacity 2 tonnes, 500 m of galvanized cable (5/8") or 1500 m of galvanized cable (1/2")
- 2 x DT Marine Winch for carousel water sampler, capacity bare drum 1200 lbs @ 200 fpm, 1000 m of multi lead cable 10 mm (3/8")
- 1 x DT Marine Winch with 900 metres of .68" coax cable. Capacity bare drum 3200 lbs @ 0-150 fpm
- 1 x DT Marine Winch with 1,500 metres of .68" coax cable. Capacity bare drum 4000 lbs @ 0-150 fpm

Lifting Appliances

1 Hiab Seacrane 2000 SWL : 9 tonnes on aft portside deck

2 Heila 1 tonne on aft port and starboard main deck

1 Aft Gantry Crane, Capacity : 9 tonnes, clearance from transom stern 2,5m, inside breadth 5,18 m and head room 6,4 m

1 Side Gantry Crane, Capacity 2 tonnes, inside breadth 2,5 m and head room 6 m

Others

- Multibeam Echo Sounders EM 2040 and EM 302 (Kongsberg).

- Three Split beam Transducers, Simrad EK 60 MK1 38 kHz, 120 kHz and 200 kHz

- One fixed ADCP Transducer (Acoustic doppler current profiler), make RDI model OS75VM and model OS150VM

- One fixed Hull Edgetech Mount transducer.X-Star Sub-Bottom Profiler System, KT-216 H

- Acoustic wells 12, 16 and 20 inches in diameter with Traveocean fitting arrangement

- 2 Sea-Bird Electronics Carousel Water Sampler SBE 31, 12 x Ocean Test 12 litres PVC bottles CTD model SBE 9+

- 9 metres gravity piston coring

- 2 Freezers of 0.4 m³ (- 40 up to - 80 deg C)

- 1 cargo hold : 26,25 m³ headroom 2 m, hatch 1,82 m x 2,44 m

- Over the side pole for multi-beam or USBL deployment.

- POS MV 320 Inertial Station

- Scientific container module (20 feet)

Note : Other survey equipment available upon request : www.reformar.ca