



SPECTRUM 1

16m Crew Transfer/Survey Vessel

GENERAL SPECIFICATIONS

Structure: Aluminium

Superstructure: Aluminium

Builder: Lyme Boats

Built: 2009

Length Overall: 16.90 m

Beam: 6.50 m

Draft: 1.60 m

MMSI: 235075021

Call Sign: 2CQX3

Flag: UK

Code: MCA Workboat Code

Category: 2

Capacity: 12 passengers, 3 crew

DETAILED SPECIFICATIONS

Capacities

Fuel Oil: 4,500 L

Fresh Water: 1,000 L

Black Water: 500 L

Total Deck Cargo: 6.5 tonne

Performance

Speed (Max.): 24 knots

Speed (High): 22 knots

Speed (Cruising): 20 knots

Propulsion System

Engines: 2 x Scania DI 16

Total Power: 2 x 550kW

Gearbox: MIT

Propulsion: 2 x Fixed-pitch propellers

Electrical Power

Network: 24v DC, 230V 50Hz AC & 110V

Generator: 2 x Cummin Onan 13.5kVa

Deck Machinery

Anchor: 2 Anchors w/ Rope & Chain

Anchor Winch: Electric

Bow Fender: D-Fender w/ J-Tube fitting cups

MOB Recovery: Ship-mounted davit

Deck Winch: Aft hydraulic

Deck Plate: Reinforced aft deck

Crane: Palfinger PK4501M Starboard aft deck

Miscellaneous: Demon Pressure Washer (Salt & Fresh)

Accommodation

Saloon Seats: 12

Bridge Seats: 2

Toilet: 1

Saloon: Galley & Mess Area

Bunks: 6



SPECTRUM 1



Life Saving Equipment

Life buoys: 2

Life rafts: 2 x 16 persons

Fire fighting: Stat-X & Portable Extinguishers

Search & Rescue Equipment

Bridge Navigation: Furuno

SART: Jotron

EPIRB: Jotron

Direction Finder: Taiyo

Search Lights: Jabsco

I.T. Equipment

Desk: 1 x desktop workstation

Monitors: 4 monitors

Server Cabinet: 16U, 19-inch rack

CCTV: Various deck, engine room & internal

Survey Equipment

Positioning & Motion: Applanix POSMV Wavemaster

Multibeam Echosounder: Teledyne Reson T-50

Sound Velocity Probe: Valeport SWIFT

Sub-bottom Profiler: Innomar Medium-100

Magnetometer: Geometrics G-882

Side Scan Sonar: Edgetech 4200 HF

Environmental: Grab Sampling & Drop-Down Video

Metoccean: Wave buoy/tide gauge deployment & recovery

ROV: Various options can be mobilised



The Stable, The Cattleyard, Manston,
Ramsgate, Kent, CT12 5FQ

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