



16 m FIREFIGHTING & RESCUE VESSEL

ROLES

The design and specification of the 16 m FRV makes it highly suitable for the following roles:

- 1: Firefighting**
- 2: SAR**
- 3: Command and Control Centre**
- 4: Humanitarian and Disaster relief and rescue**

Main Characteristics:

Hull Type	Catamaran
Displacement	40.00 t
Length Overall	16.20 m
Length Hull	16.00 m
Length Water line	15.55 m
Breadth	6.00 m
Max Draught	1.47m
Max Speed	25 kt
Service Speed	20 kt
Fuel	3,800 Litres
Fresh Water	500 Litres
Black/Grey	500 Litres

Classification:

Classification society	BV Hull and Machinery
Classification code	MCA
Sea State Code	2
Flag state	UK
Operational Area	Coast Waters UK and Europa

Passenger Capacity:

Crew	6
Passengers	6

Cargo Capacity:

Deck	5.0 t
Deck Area	30.0 m2

Operational Features:

Operating time	24 hr
Power sockets fwd deck	
Power sockets aft deck	
Sufficient storage area for tools, equipment and luggage	
All lighting LED	
Full monitoring of main engines, gen set, tanks and alarms at the helm 2 x 17 "LCD displays.	

Fire Fighting:

2 x remote controlled monitor
2 x 600/150 m3/h
2 x Fire pumps and PTO from Main Engines
2 x 70mm fire outlets and Self-protection water spray system

Accommodation:

Wheelhouse to have 4 dampened seat for the crew, coxswain and navigator in the Fwd seats.
Commander and engine in the aft seats.
Storage area for passenger's luggage and equipment
Personal plug for PC/phone.
1 x Heads
1 x Showers
4 x Crew cabin with 4 bunks for 24 hr operations
Fully Air conditioned incl de-misting and heating
Galley
Low noise and vibration

Propulsion & Gen Sets:

Propulsion 2 x Hamilton Water jets or FPP

Engines 2 x Scania DI16 072M

Generator 2 x 12 kW 240 V 50 Hz

24 VDC starting for Main Engines and Gen Sets

Main 24 VDC battery bank with UPS for critical systems.

Emergency Battery in wheelhouse.

Solar panel option for main 24 VDC systems

Navigational Equipment:

1 X Radar

2 x 17 " LCD Display

Autopilot

Nav tex

AIS

2 GPS

Talkback/PA system and loud hailer

Four crew positions to be provided with inter comm two way voice conferences.

Speed log

Echo sounder

Anemometer

Horn

2 x GMDSS VHF DSC radio

FLIR and display

1 x remotely controlled search light auto tracking to radar

Integrated Bridge Control Navigation

iRAMC (Intelligent Remote Asset Monitoring)

CCTV with 24 hr recording and display

