



## **14 m FIREFIGHTING & RESCUE VESSEL**

*In our formula the mission defines the vessel and we do not compromise mission performance by using standard types of vessel. Our emphasis has been to listen and learn from customers in order to develop and deliver a vessel that meets the mission and budget which they require.*

### **ROLES**

*The design and specification of the 14 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:**

<i>Hull Type</i>	<i>Mono hull</i>
<i>Displacement</i>	<i>26.00 t</i>
<i>Length Overall</i>	<i>14.45 m</i>
<i>Length Hull</i>	<i>14.00 m</i>
<i>Length Water Line</i>	<i>14.00 m</i>
<i>Breadth</i>	<i>4.25 m</i>
<i>Max Draught</i>	<i>1.50 m</i>
<i>Max Speed</i>	<i>33.0 kt</i>
<i>Service Speed</i>	<i>25.0 kt</i>
<i>Fuel</i>	<i>1,500 Litres</i>
<i>Fresh Water</i>	<i>130 Litres</i>
<i>Black/Grey</i>	<i>130 Litres</i>

**Classification:**

<i>Classification society</i>	<i>MCA 280 Cat 3</i>
<i>Classification code</i>	<i>MCA</i>
<i>Sea State Code</i>	<i>3</i>
<i>Flag state</i>	<i>UK</i>
<i>Operational Area</i>	<i>Coast Waters up to 20 miles</i>

**Passenger Capacity:**

<i>Crew</i>	<i>4 + 2 stretcher</i>
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**Operational Features:**

<i>Operating time</i>	<i>24 hr</i>
<i>Power sockets</i>	
<i>Sufficient storage area for tools, equipment and luggage</i>	
<i>1 anchor windless</i>	
<i>1 dive platforms</i>	
<i>All lighting LED IMP/Lab craft/Wilderness compact 4</i>	
<i>RSG Engineering Spartan Blur LED Light Bar with built in speaker with Wail/Yelp/Two Tone and Air Horn. RSG 531-03 Blue LED Blue side lights</i>	
<i>Full set of Exalto wiper with wash and speed control</i>	
<i>Full monitoring of main engines, gen set, tanks and alarms at the helm 2 x 10 "LCD displays.</i>	

**Fire Fighting:**

- 1 x FFS 600 Remote controlled monitor 4,000 to 4,550 l/m 300 degrees rotation and -20 to +80 degrees elevation
- 2 x FFS 600 Hand control monitor on aft deck 4,000 to 4,500 l/m 300 degrees rotation and -20 to +80 degrees elevation.
- 2 x FFS SFP 150x200 Fire pumps 600m<sup>3</sup>/3 h
- 2x Fire Pump Engines John Deer 6090SF 242Kw at 2100 RPM
- 400 lts foam
- 2 x 70mm fire outlets

**Accommodation:**

- Wheelhouse to have 4 Grammer Avento Pro dampened seat for the crew, coxswain and firefighting operation position + 2 crew
- Storage area for equipment.
- Crew Mess
- 1 x Heads
- Dometic/Fisher Panda Fully Air conditioned
- Galley

**Propulsion & Gen Sets:**

- Propulsion 2 x CJR 5 blade fixed pitch propellers
- Engines 2 x Scania DI16 072 M 588Kw 2100 RPM
- Generator 1 x Cummins Onan 9.5kW 230 V 50 Hz
- Main Engine Room and Pump Rooms have full 24 V DC Veotic ventilation and Full Fire Suppression by Marine Fire Safety Stat X System
- Main electrical system Mastervolt/ C Zone/Fisher Panda
- 24 VDC starting for Main Engines and Gen Sets
- Main 24 VDC battery bank with UPS for critical systems
- Sonihull ultrasonic anti-foul protection system fitted
- Emergency Battery in wheelhouse.

**Navigational Equipment:**

- 1 X Garmin GMR 18 HD Radar
- 2x Garmin GPS 7410 10 "LCD Display
- 1 x Garmin 110i VHF
- 1 x Garmin 210i VHF
- AIS
- 1 GPS
- 4 x IWCS Intercom with Ear Defender type head set with VHF interface
- Echo sounder
- 1 x Marco EMH 2Horn/PA /loud hailer
- 1 x Jabsco 146L remotely controlled search light

**OUTBOARD PROFILE**

**PLAN VIEW MAIN DECK**

**PLAN VIEW HULL**

PRINCIPAL PARTICULARS	
LENGTH OVERALL	14.00 m
LENGTH PERL	14.00 m
LENGTH WERSELE	14.00 m
MAXIMUM BEAM	4.50 m
MAXIMUM DRAUGHT	1.50 m
WEIGHT DISPLACEMENT	28.00 t
LOADLINE LENGTH	13.80 m
FUEL OIL CAPACITY	1.00 m <sup>3</sup>
FRESH WATER CAPACITY	0.15 m <sup>3</sup>
BLACK WATER CAPACITY	0.15 m <sup>3</sup>
MAIN ENGINES	2 x ISUZU D19 870W
PROPELLERS	2 x 5 BLADE ZPP
MAXIMUM SPEED	24.0 kts (14.00 mph)
SERVICE SPEED	20.0 kts (10.94 mph)
CLASS NOTATION	N/A
FLAG	UK FLAG MMR 200 CAT 3

NO.	REVISIONS	DATE
1	ISSUED FOR PRODUCTION	03/08/2018
2	SECTOR DRAWING UPDATE	14/11/2018

PROJECT: 14m FIRE BOAT		WEIGHT (KG)	N/A
TITLE: GENERAL ARRANGEMENT			
DWG No:	Sheet	Scale	Drawn By
WMD102-700-D1	1	1:30	J.W.
	of total		Drawn Date
	2		14/11/18