



DESCRIPTION

This vessel is designed and manufactured for search and rescue (SAR) operations. The vessel is designed to have especially good seagoing abilities and operates in sea state up to 4 with moderate speed. Environmental conditions for sailing are relative humidity 95%, air temperature 45°C, Sea water temperature 35° C. The vessel should be able to sail in Persian Gulf, Oman Sea and Caspian Sea.

The SAR boat's towing ability is 3 tons bollard pull, the hook is dimensioned for 3 tons of static pull. One hydraulic crane for operation of the boat was considered with 3 meter lengths plus 1 meter.

The crew shall consist of three members, but can be increased up to 12 persons. The hull is made of marine aluminium.

The vessel is equipped with water jet system. Maximum speed of vessel is 35 knots and in Beaufort 1-2 continuous speed is 30 knots and the service speed is 25 knots.

The fuel oil capacity shall be sufficient to provide a range of 500 nautical miles in operation with max 25 knots, therefore fuel oil capacity is approx. 5000 liters and fresh water capacity is approx. 500 liters.



MARINE

SPECIFICATIONS

TYPE	SAR 20-2
Material -	Marine Aluminium
Length (m):	19.35
Breadth (m):	4.6
Height (m):	2.85
Draft (m):	1.25
Fresh Water Tank (litre):	500
Fuel Tank (litre):	5000
Bollard Pull (ton):	3
Speed (kn):	35
Sea State -	6-8
Main Engine (hp):	2x1100
Propulsion System -	Water jet
Endurance (N.M):	500