



DESCRIPTION

This vessel is designed and manufactured for Search and Rescue (SAR) operations. The vessel has mono hull series with high manoeuvrability and navigation performance. The hull is made of marine aluminium grade 5083 and has strong structure and high resistance against the corrosion.

The power system of the vessel contains two engines and the propulsion system is water jet.

Maximum speed of vessel is 35 knots. It is equipped with central ventilation system, fuel tanks with a capacity of 3600 litters, fresh water of 700 litters, internal and external fire fighting system, appropriate communication system, navigation equipment, and health and welfare facilities. Cruise speed of vessel is 20 knots in calm sea and weather temperature of 45°C, sea temperature 35°C and relative humidity 95% 24 hours a day. Considering the special duty of this vessel, a hook with a pulling capacity of 4 tons and a crane with a capacity of 1.2 ton are designed and installed on the vessel.

The vessel is manufactured under supervision and according to the rules of the Classification Society.



SPECIFICATIONS

TYPE	SAR 20-1
Material -	Aluminum 5083
Length (m):	20
Breadth (m):	4.7
Draft (Lightweight) (m):	0.95
Fresh Water Tank (litre):	700
Fuel Tank (litre):	3600
Bollard Pull (ton):	4
Crane (ton):	1.2
Speed (kn):	35
Sea State -	3-4
Main Engine (hp):	2×820
Propulsion System -	Water jet
Endurance (N.M):	500