

KARMIN K112

SHIP OF THE YEAR 2019 in Taiwan



K112 is mainly used for implementation of sea patrol missions, such as investigations, reconnaissance, rescue and in Taiwan, coastal areas, islands, sandbars, reefs and intertidal waters.

K112 has the characteristics of shallow draught, flexible handling, high speed, high endurance, low fuel consumption, and is designed to enhance the anti-collision collar for high-speed chasing and high-risk investigation tasks. The berthing of sandbars and the boarding of vessels are conducive to the implementation of various sea patrol missions.

<u>Lentgh Overall : 11.65m</u>	<u>Deadweight : above 1,500kg</u>
<u>Beam Max(Inflated) : 3.40m</u>	<u>Draught Max : 0.535m</u>
<u>Collar Volume : 6,334dm³</u>	<u>Speed : above 35kts</u>
<u>Light Load : 4,400kg</u>	<u>Propulsion : Dual OBM 300HP</u>
<u>Full Load : 5,902kg</u>	<u>Fuel Tank : Gasoline900L</u>

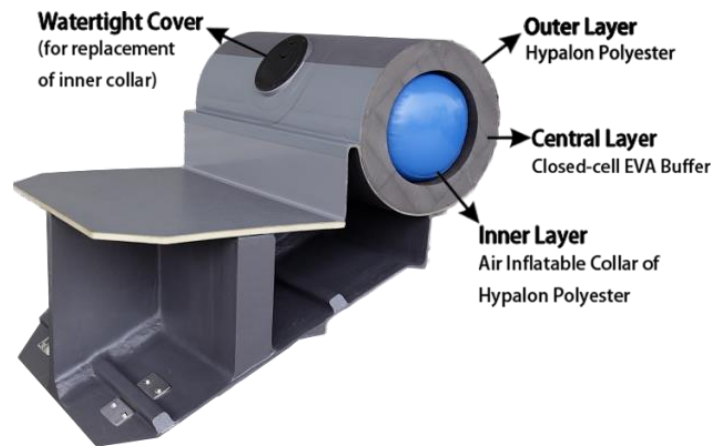


The boat components included hull, deck, and even a small part of the hatch. They are all constructed of composite material with resin-infusion molding method, and the hull plate and longitude, horizontal structural are molded in one piece to increase the whole structural strength and lighten the weight of the boat, improve the performance effectively.



The patent of “triple-layered inflatable collar” developed by KARMIN, is characterized by ensuring that the collar does not damage due to external force collision, puncture, or even small arms attack, and provides the best navigation stability and buoyancy of the boat.

This design divides the entire collar into several compartments by using the inner inflatable collar, which is similar to the design of the ship compartment, and does not cause a comprehensive damage, due to the destruction of a block, thereby affecting the overall pre-buoyancy, safety, and sailing performance of the boat.



In order to increase safety and prevent the event of using signal bombs, petrol bombs and other severe resistance, KARMIN cooperated with domestic famous manufacturers to develop fire-retardant resins, and practical applied to the composite boat manufacture, and through by the Registro Italiano Navale (RINA) Certified with Organization Maritime Internationale IMO MSC/Circ.1006 rule test, in which the gel-coat and resin used in fire-retardant resin to achieve the fire-retardant performance of whole hull. °

