



PREMAX FPV-I

Fast patrol vessel



Fast patrol vessel-Interceptor (FPV-I) is high performance assault vessel. It will be capable to reach speed of 50kts with full load, depend of propulsion arrangement. Crew will be 4 men, depends on weapon arrangement, and it will be capable to carry up to 20 troops. Autonomy of FPV-I will be up to 12 hours on cruising speed, what is 400 Nm. Dimensions of vessel are:

Loa= 16m
Boa= 4.0m
T= 1.0m
Displacement is 24MT
Cruising speed 35Kts
Max speed up to 50Kts

FPV-I can be used in wide variety of actions. Fast insert or extraction of troops, patrol duty, combat patrol, anti-trafficking, anti-smuggling, search and rescue, escorting, blockade of ports are just some of actions in which FPV-I can be used. Because of its dimensions can be easily hidden in bays bank with camouflage net during day and penetrate deep in enemy territory during night, make diversion actions on enemy facilities or vessels. With crew which is well trained it can be deadly and invisible to enemy radars and eyes.

Class of vessel is LR SSC G2 LMC.

Hull :

Hull of FPV-I is Mono hull design and will be completely built from marine grade aluminum alloy under LR class. Hull will be deep V with specific bow region. Bow region will be strengthen in areas which will hit ground in landing actions. Fuel oil tanks will be placed in separate space formed of engine room bulkhead and three more bulkheads. In double bottom will be several compartments for ammunition and miscellaneous. Bow compartment fore of collision bulkhead will be filled with PU foam. On the bow will be located exit ramp. Hull will be foreseen with large hatches for easy access to engine and jet units. Hatches will be insulated with sound and thermal insulation materials. Hydraulic or Gas springs will be provided to hold hatch in open position. Stern will be foreseen with platform which will be used as cover for jet units and platform for water access of divers and their equipment. Platform deck will be perforated to prevent water to stay on it. All side bulkheads of cockpit, wheelhouse and foredeck will be foreseen with railings from inner side. Cockpit deck and all decks will be covered with anti-slip cover. Command desk will be placed in wheelhouse. Wheelhouse will be built in such way to protect boat operator and crew. Besides helm (command) position in the wheelhouse will be included 3 more operational positions, all equipped with anti-shock seat. Under main deck will be placed 20 coach type seats for passengers. Mast will be positioned on top of wheelhouse.

Propulsion and maneuvering :

FPV-I will be equipped with following propulsion arrangement:

1. Two diesel engines, power 900-1200HP with water jets for speed over 40kn (with this selected propulsion maximal speed can be up to 50+kn)

Engines will be electronically operated together with propulsions. They will be with wet exhaust for low noise and thermal footprint. Propulsion system will be according to LR rules for tropical environment conditions as well to conform DEFSTAN for tropical region. Also video monitoring of engine room will be with onboard cameras and monitor on helm position.

Propulsion manufacturers are according to buyers needs but, we recommend MTU and RR Kamewa.

Bilge system

Bilge system and its alarm system will be autonomous with two el. bilge pumps installed in each bilge well in each compartment. Four el. bilge pump will be installed in engine room. Each el. bilge pump will be supported by one manual bilge pump in case of failure.

For MARPOL rules compliance will be charge extra.

Weapons & Protection

There are 5 stations on FPV-I for weapons. Stations can be used for mounting 12,7 or 7,62 cal machineguns, 40mm grenade launcher, various type of machine guns. Smoke grenades launcher can be mounted on stern. On stern can be mounted different types of missile launches in tactic and interceptor use. Ammo capacity depends of caliber and type of machine guns. FPV-I can be additionally protected with bullet proof panels and bullet proof glasses Level III. Panels are mounted on inner side of hulls. For Level IV speed can be reduced cause of increase of weight.

08.Miscellaneous

Vessel will be equipped with all seaman gear according to LR rules for SSC .

