



50 METER OFFSHORE PATROL VESSEL

AFSI introduces a new range of Offshore Patrol Vessel. The OPV is entirely designed in house with our experienced design and engineering team which covers the complete package from concept studies transforming into a technically sound and safe to build vessel design. This is done by scantling calculation, stability studies, systems piping & instrumentation diagram and structural drawings in compliance to class, local and flag administration. The 50m OPV is the latest range of Offshore Patrol Vessel particularly created in response to the upcoming UAE Ministry of Defense plan of modernizing, improving and replacing the soon to be decommissioned patrol fleets. The vessel's hull is designed for an optimize high-performance, good sea-keeping and long-range patrolling.

GENERAL PARTICULAR

Length Over All: 50.58m
Breadth Moulded: 9.40m
Depth Moulded: 4.50m
Draft (design): 3.33m
Airdraft: 12.425m
Hull Material: Steel

PROPULSION SYSTEM & THRUSTER

Main Engine: Caterpillar or Equivalent
Power: TBDT
Gearboxes: Reintjes or equivalent
Propeller: Controllable Pitch
Bow Thruster: Electric driven 160kW

CLASSIFICATION

Class: TASNEEF
Notation: Hull, •Mach, Aut, UMS, Patrol
Service Area: Sea Area 4
Sea State: 7

ELECTRICAL

Quantity: 3
Generator: 200 kW
Battery: 24V
Onboard Network: 24VDC, 230/400 VAC

COMPLEMENT

No. of Crew: 15 persons
Total Berthing Capacity: 28 persons

NAVIGATION EQUIPMENT

Integrated Navigation System
Radar: X-band & S-band
Multifunction display ECDIS
GPS
Compass: Magnetic and Gyro compass
AIS

Echo Sounder
Speed log
Fresh Water:
28 m³
Autopilot
Weather Station

PERFORMANCE, RANGE & ENDURANCE

Fuel Oil: 70 m³ Dirty Oil: 2 m³
Fresh Water: 28 m³ Hydraulic Oil: 1 m³
Black Water: 10 m³ Lube Oil: 1 m³
Grey Water: 10 m³