

NEIL MARINE

16 MTR OFF SHORE SUPPORT VESSEL

DESIGNED FOR COASTAL PATROL AND SURVEILLANCE AS A SUPPORT VESSEL BUILT IN COLLABORATION WITH ABUDHABI SHIP BUILDING FOR ABUDHABI COAST GUARD

SPECIFICATION

HULL-FIBRE GLASS HULL REINFORCED WITH POLY URETHANE FOAM TRANSVERSE FRAMES AND LONGITUDINALS GLASSED

DECK -FIBRE GLAS DECK WITH MOULDED NON SKID SURFACE REINFOCED WITH HARD WOOD DECK BEAMS AND POLYURETHANE LONGITIDINALS GLASSED OVER

MOULDED WITH ISOPHTHALIC GELCOAT AND RESIN USING LLOYDS REGISTER OF SHIPPING (UK) OR INTERNATIONAL ASSOCIATION OF CLASSIFICATION SOCIETIES MEMBER TYPE APPROVED MARINE GRADE FIBRE GLASS MATERIAL

Length Overall	15.6 Meters
Beam	3.77 Meters
Draft (Unladen)	0.75 Meters
Full Displacement	16.9 Tons Approx.
Engines	Twin Caterpillar C18A Marine Diesel of 715HP each 2100RPM Fitted with
Water Jets	Twin Hamilton HJ-364 Water Jets
Fuel Tanks Capacity	3000 Liters
Fresh Water Capacity	250 Liters
Speed (Maximum)	40 Knots
Speed (Cruising)	30 Knots
Range	360 Nautical Miles
Number of Passengers	2 Crew &8 Passengers



VESSEL LAY OUT

Fore peak

Anchor Compartment with Collision Bulkhead and storage area for Anchor Chain. Access Through hatch on deck.

Fwd. Cabin

Galley with sink and work top. Refrigerator and Microwave fitted.
Toilet Compartment fitted with Marine WC and wash basin

Wheel House

Helm console with wheel Helmsman seat fitted to starboard with wheel and controls and controls within easy reach of Helmsman. Navigator seat fitted to port.
08Nos. assenger seats fitted aft on port and starboard with ctr. Walk way.
Entry to wheel house from ctr. Door fitted aft.

Generator Compartment

Fitted tp fwd. of engine room and accommodate marine Generator and fuel tanks

Engine Room

Consist twin marine diesel engines and Water Jets. Engines start battery banks and air conditioning Condensing units.

ELECTRICAL SYSTEM

PRIMARY SYSTEM 24V

Engine Start Battery Banks 2 X 200Amp- Hour (24V)
General Services and Lighting 1 X 200Amp-Hour
Navigation Equipment and Electronics 1X120 Amp-Hour
24V/ 50Amp Battery Charger to charger the Service and Navigation Battery banks along with Engine driven alternator using battery isolating and paralleling facility.

Lighting

Bulk Head Lighting
Sufficient Interior Lighting
Sufficient External Lighting
Remote Control Search Light
Wheelhouse & Galley

Windscreen Wipers – 2 units
80L Mini Fridge
Micro wave Oven in the Galley
Submersible Bilge Pumps
Fresh water pump
Windscreen spray system
All wheelhouse windows washed with a fresh water spraying system
Extra space for fitting customer supplied military communications with power outlets as appropriate.

SECONDARY SYSTEM 230V 50Hz, SINGLE PHASE SYSTEM

Kohler 12EFKOZD or equivalent 12KW Marine Generator to supply power to the Air Conditioning inside the cabin
Emergency AC Lighting and Power outlets

NAVIGATION SYSTEM AND ELECTRONICS

FURUNO GP330B GPS, Chart Plotter
FURUNO FM4721 VHF
FURUNO RADAR DRS 4D NXT with a range of 36nm
Marine Compass
Marine Horn
Loud Hailer

MOORING EQUIPMENT

Anchor	:	17Kg
Galvanized Anchor Chain 10mm	:	50Mtrs
Anchor Windlass	:	1000Kg Max pulling Capacity
Stainless Steel Bollards	:	4 Units
Fenders	:	6 are supplied

SAFETY EQUIPMENT

Life Jackets	:	12
Life Buoys	:	2
First Aid Box	:	1
Electrical siren and sound hailer	:	1

FIRE FIGHTING AND SAFETY

CO2 Fire Extinguisher	2Kg - 5
Foam Fire Extinguisher	9L - 4
Engine room fire suppression system	One

ANTIFOULING

Hull bottom below water line to be coated with Sigma TBT free self-polishing antifouling consisting of a primer and tie coat followed with antifouling top coat.

GENERAL ARRANGEMENT

