

# EXPLORER

MOTOR YACHTS



## EXPLORER 46'

### SPECIFICATIONS

#### 1.1 PRINCIPAL PARTICULARS

Length Overall.....	48'56" (14.80M)
Length of waterline.....	40'2" (12.50M)
Beam .....	14'5" ( 4.40M)
Draught.....	3'44" (1.05M)
Displacement .....	Approximate 18.6 Tons
Water Capacity.....	350 U.S. Gallons (1,323 LITRES)
Fuel Capacity.....	550 U.S. Gallons (2,268 LITRES)
Holding tank.....	.80 U.S. Gallons (300 LITRES)

**Main Engines:** 1 X Yanmar 6BY2-220 220hp/4000rpm engine with KMH 50A gearbox, water reserver tank & Second station New C type instrument panel & Teleflex electronic controls.

**Generator:** 1 X Onan of 7.0 KW 220V 50 Hz. Including sound shield, water & gas separator, circuit breaker and meter controls on the generator and lower helm station for start/stop, engine hours volts etc.

## **1.2 GENERAL CONSTRUCTION**

- Gel coat : White
- Hull, main deck, house & fly bridge molded fiberglass
- Fly bridge with sandwich construction using coring
- FRP Fuel tanks with baffles and cleaning manholes
- FRP water tanks (FDA approved Gelcoat) with baffles etc
- Interior soles teak and holly throughout except the engine room
- Teak interior trim
- Rounded Frameless window frame with safety grey tint glass
- Four windows to be opening (sliding) including galley window with mosquito screen
- Four Oval stainless steel port holes in the cabin trunk with mosquito screen
- SS saloon door and Aluminum starboard side door from (Aritex)
- Cabin Headliner in cream vinyl
- One deck hatch on main deck for master cabin (Lewmar)
- All holes cut into the bulkheads for hoses/wiring etc to pass through shall have a well rounded rubber grommet to protect wiring and hoses etc. This also applies to the ceiling throughout the boat
- FRP rub rail
- Engine / generator exhausts from Transom
- All through hull fittings to be SS and plumbing to have access hatches to the respective bilge areas

## **1.3 General (Accommodation & Interior)**

- Hand rubbed Teak paneling and carpentry in all spaces
- Marine grade plywood throughout
- Flush cabinetry throughout, new style with detail
- Teak & Holly flooring throughout (except shower which shall be white FRP)
- Soft vinyl (cream color) headliners with padding – Removable panel type attached to the ceiling with 3M Velcro
- High quality 70% gloss varnish for interior finish
- Good quality door locks for saloon and Southco door lockers for cabin doors
- AC outlets and switches from Vimar
- Foam and lead Sound insulation to be used throughout the engine room including bulkhead
- Teak and stainless wheel for lower station and stainless steel for flybridge.
- Fabrics: Ultra Leather for sofa is standard
  - Fabric for curtains, mattress covers included in the price
  - Exterior local Vinyl cushions also included in the price
- Suitable access hatches in forward accommodation to access all areas of the bilge with light
- Air-conditioning outlets to be groove design with air-con outlets in saloon and forward accommodation. 5 Pelmet outlets
- All doors to be properly secured in open position
- Access to engine room under the hinged companion way steps (NB extra sound proofing door is optional)
- One saloon hatch to engine room with ladder and gas strut
- Hella LED interior spot lights, dimmerable

## **1.4 Main Deck**

- F.R.P. Swimming platform with Teak laid deck on top. Attached to transom with SS supports
- Teak laid deck on the aft deck and side decks to forward side deck step
- Non Skid forward of side deck steps and fly bridge
- Teak laid deck on top of the FRP stairs to Fly Bridge
- Stainless steel swimming ladder (Suzhou)
- One FRP Transom door and two FRP side bulwark doors (One each side)
- Use the new bulwark door handles with the press button
- Transom door and bulwark doors SS finished
- FRP bow pulpit with SS plate and twin stainless steel rollers
- Muir anchor winch (HR 2500 Cheetah) with suitable circuit breaker (with chain stops and ss foot switches)
- Windlass to be controlled from three stations
- Lower helm station and fly bridge helm station to have MUIR auto anchor chain counters
- Foot switches for up/down next to bow locker
- Three Hella led lights positioned port/starboard bow coaming to light up anchoring arrangement
- Ultra 27kg (60lbs) 316 s/s anchor with swivel
- Fresh & Salt water wash down bow and aft deck, and upgrade both with quick release deck fitting
- Bow & stern SS sockets on rails with teak staff
- Teak Cap Rail (Unpainted)
- 1 1/4" 316 stainless steel stanchions highly polished with SS hex screws
- Hot and cold transom shower in aft deck.
- Two shore power connections One by pilothouse and one in aft cockpit ( Marinco)
- Fuel oil and fresh water inlets to be recessed into superstructure so that they are not on deck
- Sufficient Stainless steel fairleads and cleats - Fairlead/cleat – 2 bow, 2 mid ships and Four aft
- Suitable scuppers/drains
- Engine air intake port and starboard amidships on the superstructure with FRP dorade
- Hatch in aft deck with rubber gasket and stainless steel gas struts to lazarette. Stainless steel ladder with teak steps for access to the lazarette
- Hella LED lighting for side decks and flybridge
- Hella LED courtesy lights for the two steps amid ships port & starboard including fly bridge steps and next to anchoring system
- Ice cabinet in the cockpit
- One 12V DC socket

## **1.5 Fly Bridge**

- Non skid deck on Fly bridge
- Helm station in the middle
- Standard full engine instrumentation and alarms (see “Main Engines”)
- Storage in fly bridge brow
- Hydraulic steering (hynautic)
- Electronic engine controls DTM
- Stainless steel steering wheel
- Compass ( Ritchie)
- Stainless steel windshield with tinted or clear lexan
- FRP radar arch with FRP hardtop and four Hella dimmerable LED exterior lights
- FRP housing for port/starboard navigation lights (Hella LED navigation lights)

- FRP Seating with 5 Hella LED lights (seating incorporated into Fly bridge Mould)
- FRP wet bar with SS sink plus foldable faucet and electric BBQ (Dometic SMEV), **Dometic CR1110** fridge with hinged FRP top and automatic kill switch for BBQ plus SS splash back
- One FRP table with hi-low stainless steel post
- White vinyl (local) cushions (removable) with foam
- Heavy duty 12 V wiring for davit
- One single helm chair from Springfield (Sliding optional at extra cost USD250.00)
- SS Aritex hatch with Acrylic from aft deck to fly bridge with three locking handles plus 2 SS gas Struts
- 1 1/4" highly polished SS stanchions
- Suitable water drainage
- 12V Cable and FRP support for search light
- Bennett trim tab dual ram with indicators
- 3 Hella LED red night lights under hardtop with dimmer switch
- Binoc holders each side of flybridge with glass holding

### **1.6 Lower Helm station**

- Complete engine instrumentation and alarms
- Engine hour meters
- Electric horn with single trumpet
- Bennett trim tab dual ram with indicators
- DC outlet
- Three electric windshield wipers and washers (TMC)
- Electronic engine controls DTM
- Hydraulic steering (Hynautic)
- 12V / 220 V wiring system throughout, switchboard with circuit breakers (AC & DC combined panel) Volt amp meters etc. Wiring to be color coded and numbered. Acrylic cover for AC with warning sign
- Spare circuit breakers for AC & DC. Subject availability
- Fixed windows forward (clear safety glass) and vinyl (same as for the ceiling) behind the windscreen
- WEMA fuel and water gauges
- All electrical wiring to comply with current Australian regulations.
- 3 Hella LED red night lights with dimmer switch

### **1.7 Saloon**

- Built in "L" or "U" shaped settee port side, no cabinet
- Starboard side entertainment center
- Hi-lo table with SS base
- TV Cable and outlet in saloon to be fitted (Note: TV antenna supplied by dealer)
- Teak & holly sole
- Headliner to be removable & attached with 3MVelcro and to be new vinyl. Cream color
- All furniture and bulkheads to be Teak
- Push knobs for all drawers throughout the interior (Seaworld)
- Valance for all windows with standard curtain fabric
- 4 single AC outlets
- 2 handrails in the ceiling
- 32" Sony Tv with Manship Tv lift

## **1.8 Galley**

- Staron bench top
- Galley faucet (Delong)
- Smeg 4 burner electric (Ceramic) Hob
- Smeg Microwave/Convection oven
- One double and one single AC outlets
- Double stainless steel sink
- Isotherm Fridge/Freezer two door model CR 200
- Drawers and cabinets all flush style with new detail
- Overhead locker for storage cabinet with rounded/curved end
- Exhaust blower
- Teak and holly sole
- Push knobs for all cabinets & drawers (Seaworld)
- Fittings for cups / plates and crockery. Etc

## **1.9 Port Guest Cabin**

- Two single berths
- Cedar lined hanging locker with automatic Hella LED light
- Small table with drawer between the two single berths
- Teak & Holly sole
- Two Hella LED reading lights
- Mattresses 6" foam fabric covered
- Push knobs for cabinets and drawers (Seaworld)
- Two single AC outlets
- Door lock (Southco)

## **1.10 Head**

- Teak with Acrylic floating mirrored ceiling with 12V rope lights
- Shower stall with hot & cold water faucet
- Staron counter top with SS sink and faucet
- Large FRP shower sump tank
- Bevelled mirror
- Tecma electric head (fresh water) with direct/overboard discharge or to FRP holding tank. Switching valve to be conveniently located
- Two way valve for holding tank direct or dockside discharge
- Exhaust blower
- Push knobs for cabinets and drawers (Seaworld)
- FRP Floor with teak grating in shower and frosted safety glass door (Not bi-fold)
- High gloss floor in the head
- Door lock (Southco)
- Frosted safety glass door (Not bi-fold) for head

## **1.11 Master Cabin**

- Island bed with four drawers fitted under
- Mattress 8" thick soft foam
- TV Antenna outlet
- Cedar lined wardrobes with automatic Hella LED light
- Teak & holly sole

- Two Hella LED reading lights either side of the island bed
- Push knobs for cabinets and drawers (Seaworld)
- Door lock (Southco)
- Three single AC outlets
- Beveled Mirror on bulkhead

### **1.12 Engine room / Machinery systems**

- Non skid white FRP flooring
- Engine exhausts to exit transom via FRP lift mufflers
- Groco internal raw sea water strainers (suitable size for engines and generator)
- Twin Racor fuel filters with gauges for main engine (s)
- One Racor fuel filters for generator
- High quality SS Shaft (2")
- Dripless stern gland (PYI)
- Propeller 4 bladed (Hung Sheng S class)
- Rudder stainless steel blade/SS shaft
- Hynautic Hydraulic steering
- One 12 V DC Engine room blower
- Superior engine room sound proofing material - foam & lead with white aluminum cladding
- White Aluminum perforated sheets to cover all bulkheads and fuel/water tanks etc
- Four automatic Rule 12V electric bilge pumps. Engine room bilge pumps high water alarm
- Manual bilge pump (TMC)
- Stainless steel fuel manifold & fuel return manifold
- FRP fuel tanks with baffles
- FRP water tanks with baffles
- Sight gauges with cocks and tank vents for fuel and water tanks
- Fuel tanks to have cross over valve
- Rubber fuel lines CE approved
- Color coded plastic pipes: blue for cold fresh water, red for hot fresh water and white for sea water
- Sea cocks on all through hulls below water line (Bronze)
- Double hose clamps on all pipes
- 20 gallon hot water tank (Seaward) with engine heating coil and 220v electric heater
- Pressurized fresh water system (PAR WITH COMBINED PRESSURE TANK)
- 1 x 100 amp 12 V battery for generator starting to be housed in FRP box & securely fastened
- 1 x 200 amp 12 V battery for engine starting to be housed in FRP box securely fastened
- 2 x 200 amp 12 V batteries for house to be housed in FRP box & securely fastened
- 1 x 200 amp 12 V battery for bow thruster housed in FRP box & securely fastened
- BEP motorized switch
- Battery parallel switch to combine house batteries to engine starting batteries for emergency
- Mastervolt 50amp (3 bank) battery charger
- One DC exhaust blower outlet
- Copper bonding throughout
- FRP tube with bearing and seals for Rudder
- Stainless steel rudder blades
- Fresh water outlet with hose forward bulkhead of engine room
- FRP sewage holding tank 80GALS with macerator pump for deck or overboard discharge with one safety valve
- Hella LED DC lighting in engine room

- All bilge pumps to be wired directly to the batteries
- 12V sump pump for shower
- Stainless steel safety guard around engine
- Dockside water connection (Par)
- Bennett trim tabs dual ram with indicators

### **1.13 Electrical System**

- All wiring to be double sheathed conduit and numbered on the control panel for wiring
- 220V AC and 12V VDC cables to have distinctive color code for easy identification & numbered
- All cables rating are to be in excess of the maximum load current
- Two 220 V 32 amp shore power inlet. Shore power indication to show on main electrical panel (16amp shore power for Norway)
- Electrical panel to have device for interlock between shore supply connection and the generator supply
- BEP main switch panel
- 12 V heavy duty wiring for davit on the fly bridge
- All electrical AC sockets to be Vimar
- All circuit breakers to be of adequate size for the application
- The boat shall be grounded throughout including all sea cocks etc
- Isolation switches for all 220V equipments in engine room and lazarette, RCD fitted after all 220V AC input including shore power
- 50 amp Galvonic isolator
- All electrical wiring to comply with current Australian regulations

### **1.14 Navigation equipments**

- OPTIONAL

### **1.15 Firefighting Equipment**

- Automatic & Manual engine room fire fighting system by Sea fire (Model FD 400 MA) to meet Australia regulations

### **1.16 Miscellaneous**

- Zinc anodes on rudders, shafts and transom (and trim tabs if ordered)
- Emergency tiller, secured in lazarette
- Interlux protect 2000E system with epoxy protection 2 coats
- International primer and Black anti-fouling 2 coats
- Black boot stripe

All weights & measurements are approximate.

The builder reserves the right to change the specification without prior notice

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