

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 (Marince)
- 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