



**EXPLORER MOTOR YACHTS**

**PILOT HOUSE 58'**

**SPECIFICATIONS**

**1.1 PRINCIPAL PARTICULARS**

Length overall .....	59'5"	18.12m
Swimming platform .....	3'4"	1.02m
Length on deck .....	56'1"	17.1m
Length Waterline.....	51'8"	15.74m
Beam covering the cap rail .....	17'4"	5.30m
Max Draft.....	5'0.2"	1.53m
Max depth.....	8'6"	2.59m
Displacement under half load condition .....	64,460 lbs	29,300kg

Water Tank Capacity.....	325 US gals (1,220 LITRES)
Fuel Tank Capacity.....	1,340 US gals (5,072LITRES)
Black Tank Capacity.....	100 US gals (370LITRES)

**Main Engines:** 2 X Cummins engines, model no. QSB6.7-480HP with ZF85A. include two 4” digital panel + four sets analogue gauges + ETS

**Generator:** 1 X ONAN of 17.5 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.

**Bow Thruster:** 1 x 24v Sidepower bow thruster SEP130/250T with twin propellers and joystick controls for 2 stations.

**Stern Thruster:** 1 x 24v Sidepower stern thruster SEP130/250T with twin propellers and joystick controls for 2 stations.

## **1.2 GENERAL CONSTRUCTION**

- Gelcoat: DSM white gelcoat
- Hull will be end grain balsa/foam coring from above water line. Main deck, house & fly bridge molded fiberglass - fly bridge with sandwich construction using Honey cone.
- FRP fuel tanks with baffles and cleaning manholes
- FRP or S/S Water tanks with baffles and cleaning manholes
- Interior soles solid teak throughout. (Same as 52C10)
- Teak interior trim.
- Frameless window frame with grey Safety Glass.
- Three or four windows to be opening (sliding) including galley window with inside window screens.
- Three or four oval port holes in cabin trunk in each side.
- Aritex Stainless steel saloon sliding door and aluminum ARITEX door for pilot house split door
- Cabin Head liner in white vinyl 3M
- One SS deck hatch on main deck for master cabin (MANSHIP).
- FRP and then Rubber/Stainless Steel rub rail on hull and around the swimming platform.
- Engine exhausts from Transom side or aft. ( Maybe underwater if space allows). If through transom use lift mufflers of adequate size with larger outlets ie: 6” inlet requires 8” outlet.
- All through hull fittings and plumbing to have access hatches to the respective bilge areas. Automatic DC lighting to be fitted to bilges.
- Use Foam cored interior bulkhead
- Add single-way valve for all seacock – chrome/SS skin fittings
- Curved handrail down to accommodation

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

- Hand rubbed teak paneling and carpentry in all spaces.
- Marine grade plywood throughout.
- Flush cabinetry throughout with styling bead
- Solid Teak flooring throughout (except master and guest heads and showers)
- Soft vinyl (white color) headliners with padding – Removable panel type attached to the ceiling with 3M Velcro.
- High quality 70% gloss varnish for interior finish.
- SOUTHCO door locks for saloon and cabin doors.
- Hella dimmer light switches and Gewiss AC outlets
- 1.5” Foam and lead Sound insulation to be used throughout the engine room including bulkheads with Aluminum white cladding and Grey rubber non skid floor with heat resistant glue
- Teak wheel for lower station and for upper station
- Color choice for interior leather sofas. Teak blinds, leather sofas from Pinghu maker. Mattress covers (white) included in the price. Sunbrella exterior Vinyl cushions also included in the purchase price.
- Suitable access hatches in forward accommodation to access all areas of the bilge. Automatic DC lighting to be supplied to bilge areas where there is an access hatch.
- All furniture including beds, tables, sofas, etc are to have smooth rounded corners and all the cabinet doors and drawers to be flush style.
- High gloss fiddles
- Air-conditioning outlets to be groove design from pelmet
- All doors to be properly secured in open position.
- **Access from watertight door on transom through to crew cabin and engine room**
- All structural bulkheads below deck to have watertight through bulkhead fittings.ie: Anchor locker, Forward engine and aft engine room bulkheads.

### **1.4 Main Deck**

- F.R.P. swimming platform with teak deck on top.
- Teak in the aft cockpit and a long both side decks to the first steps. Non skid (small diamond pattern) FRP foredeck.
- Stainless steel sliding swimming ladder under swimming platform from Suzhou
- One FRP Transom door and one FRP door on Port & starboard side bulwark.
- FRP bow pulpit with twin stainless steel rollers.
- MUIR anchor winch (HR 3500 Jaguar) anchor windlass with wiring/solenoid and circuit breaker. (N.B. all wiring to be suitable for the application.) 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 courtesy lights positioned port/starboard bow coaming to light up anchoring arrangement.
- 8 Hella LED courtesy lights port and starboard so total 16
- **ULTRA 316 s/s anchor 45 KG (99 LBS) with swivel**
- Fresh & Salt water wash down bow and aft deck. (SS taps)
- Install high pressure washer fwd and aft deck

- Bow & stern Stainless steel staffs
- One FRP box on aft deck with Isotherm model no: BI53
- FRP coming with thick SS strip (see picture attached) with chosen rub rail
- 1-1/4" 316 stainless steel stanchions highly polished with middle rails and hex screws.
- S/S U shaped railing on swim platform, 4 pieces
- Hot and cold transom shower in aft deck.
- Two shore power connections.
- Fuel oil and fresh water inlets + waste discharge to be recessed into superstructure so that they are not on deck.
- Sufficient Stainless Steel fairleads and cleats - Fairlead/cleat – 2 bow, 4 mid ships and 2 aft. Custom design
- Suitable scuppers/drains with logo (Internal)
- FRP stairs from aft deck to fly bridge with teak laid on top. Hella LED lights fitted to each step.
- One hatch in aft deck with gas struts for access to lazarette. Stainless steel steps with teak steps. Grey rubber floor as per the engine room
- Hella LED lights for side decks and under fly bridge
- 24V rope lighting around beds & head ceiling, ceiling treatment in saloon & under both sofas & under galley
- Hella LED courtesy lights as per drawing, same as 52C10
- Fusion Package as follows:
  - Fusion MS-AV600G CD/radio with I pod dock
  - 2 remote (MS-MR600C)
  - 1 amplifier (MS-AM702)
  - 6 speakers (MS-FR702)

## 1.5 Fly Bridge

- Teak on Fly Bridge from seating (See drawing).
- Helm station in the middle with two SS cup holders
- Standard full engine instrumentation and alarms (see “Main Engines”).
- Storage in fly bridge brow.
- Hydraulic steering (HYNAUTIC).
- CUMMINS electronic engine controls same as 60C06
- Teak Wheel
- RITCHIE 5" compass.
- Stainless steel windshield with tinted lexan.
- FRP radar arch with hard top. Two white water proof stereo speakers fitted both sides of the arch plus 3 ea Hella LED red night lights fwd
- 2 S/S handholds under hardtop
- Port/starboard navigation lights Hella LED. Anchor light Hella LED
- Fly Bridge seating as per drawing with total 6 S/S cup holders
- FRP cabinet with FRP sink/ foldable faucet and electric BBQ (Domestic SMEV) **plus one Dometic CR1110 fridge** with hinged top. Cutoff switch for BBQ
- Plastic grating inside seating.
- Two FRP or teak tables with Marine Tech Hi-Lo STS200-300 stainless Steel post

- Sunbrella cushions (removable) with foam.
- ADC 350kg davit with heavy duty 24V wiring for davit and circuit breaker.
- Two single helm chair (ARITEX) with white vinyl.
- Stainless Steel sliding hatch from aft deck to fly bridge Three piece from Aritex
- 1-1/4" stanchions with suitable gates etc for davit.
- Suitable water drainage with logo (Internal)
- 24 V Cable and FRP support for search light.
- 3 ea waterproof AC sockets and 2 ea 12V socket at helm
- Custom S/S support for hardtop
- 6 ea Hella LED lights in hard top/radar arch
- Stainless Steel Dinghy Cradle
- Search light

## **1.6 Pilot House**

- Complete engine instrumentation and alarms.
- Engine hour meters.
- Hydraulic trim tabs from BENNETT with dual rams.
- Electric air horn with twin trumpet.
- 2 ea DC outlet 12v
- Three electric windshield wipers and washers (double arm wipers) (EXALTO) with synchronized control.
- Cummins electronic engine controls.
- Hydraulic steering (HYNAUTIC)
- 24V / 220 V wiring system throughout, switchboard with circuit breakers (BEP AC & DC panel) Volt Amp meters, etc. Panel to be color coded and numbered. Four spare circuit breakers for AC & DC.
- Fixed Clear windows forward with thickness to meet CE requirements.
- RITCHIE 5" Compass
- Helm seat from Navigator wasp(Marine Tech)
- Stairway with hand rail down to accommodation.
- WEMA fuel and water gauges
- Three Hella LED red light
- Lower helm chair & lower helm dash to be ultra leather
- Teak handholds on ceiling
- Solid wood steering wheel
- 2 x Opening hatches (Lewmar 10")
- Sofa in pilothouse to be a pull out berth

## **1.7 Saloon**

- Built in U shaped settee with leather trim on sofas included.
- Marine Tech SS Hi-lo table with four-way slider & teak table with drawers
- Insect screens on all opening windows and port holes.
- Special window locks

- T.V. antennae outlet to be fitted as required.
- Starboard side cabinet with Manship electronic controlled TV lift, 32" TV, sofa both sides are optional. (Buyers choice of layout)
- Solid Teak sole.
- Middle hatch to access engine room with ladder. Gas struts fitted to the hatch.
- Overhead spot lights to be 12V spot lights by HELLA LED
- Headliner to be removable & attached with 3M Velcro and to be new vinyl white color.
- Standard ceiling treatment in Saloon
- All furniture and bulkheads to be teak.
- SS Push knobs for all drawers throughout the interior with good quality
- Air-conditioning outlets in GROOVE STYLE in pelmet
- AC outlets (5 doubles).
- CANTALUPPI ZEUS wall lights X 4.
- Fusion package
- Teak handholds on ceiling
- Double wall windows
- Teak blinds for saloon window and AFT saloon door, need to be at least two pieces with guides for saloon door
- **Ceiling treatment**

## **1.8 Galley**

- Staron bench top including counter.
- Galley faucet to be Grohe
- SMEG (SE661X1) 4 burner electric Hob.
- SMEG Microwave/ Convection oven (S45MCX2) plus Aritex pot holder
- Double Stainless Steel sink.
- ISOTHERM fridge Model Number CR 200 without screws showing
- Drawers and cabinets all flush style with beading
- Overhead locker for storage cabinet with rounded/curved end.
- Dometic cook hood: CK2000
- Push knobs for all cabinets & drawers.
- Fittings for cups / plates and crockery. Etc.
- 2 double AC outlets – Gewiss
- Storage bin with opening from superstructure
- Lazy Susan in corner unit
- Hafele storage units
- Dishwasher in galley

## **1.9 Port Guest Cabin**

- Double berth or single berths
- Cedar lined hanging locker with automatic Hella LED light.

- Teak sole.
- Two reading lights (Prebit) 24v
- 24V spot lights (HELLA LED).
- Vinyl headliner removable attached with 3M Velcro.
- Mattresses 6” foam fabric covered.
- Door with SOUTHCO lock.
- Push knobs for cabinets and drawers.
- Two double AC outlets.
- Air-conditioning outlet.
- TV aerial socket.
- 1 oval port hole with storm cover as per crew cabin.

### **1.10 Fwd. VIP Cabin**

- Island Berth with drawers below.
- Cedar lined hanging locker with Hella LED automatic lights.
- Teak sole
- Two reading lights (Prebit) 24v
- 24V spot lights (HELLA LED).
- Vinyl headliner attached with 3M Velcro.
- Mattress 6” foam and fabric covered.
- Door with SOUTHCO chrome lock.
- Push knobs for cabinets and drawers.
- AC outlets.
- Air-conditioning outlet.
- TV aerial socket.
- Ocean air screen for hatch
- 2 port holes with storm covers in hull same size as crew/port guest cabin

### **1.11 Starboard Guest Head**

- All teak with mirrored floating ceiling and 24V light
- Spot lights (HELLA LED).
- Shower stall with Grohe shower faucet.
- Safety Glass shower door with Logo.
- Staron counter top with clear glass sink and faucet.
- Shower sumo pump
- Mirror (beveled).
- TECMA silence flush Low profile. Fresh water flush.
- Three way valve for direct/deck discharge or to holding tank.
- Exhaust blower – EC Smith
- Push knobs for cabinets and drawers.
- High gloss teak grating in shower.

- High quality bathroom fittings
- Usable storage cabinet below sink
- Granite floor same as 60C05
- **Mosaic shower tiles**
- **1 oval port hole with storm cover same size crew cabin and Port guest cabin**

### **1.12 Master Cabin (full width)**

- Queen bed with four drawers fitted under.
- Mattress 8" thick foam with fabric covering.
- Prepare wiring and socket for optional TV
- Sony CD/Radio with 2 ea ceiling speakers
- Cedar lined wardrobes with Hella LED automatic light. More wardrobe space in Master Cabin
- Teak sole.
- Vinyl headliner removable with Velcro.
- 24V spot lights (HELLA LED).
- Two reading lights either side of the island bed. (Prebit) 24v
- Push knobs for cabinets and drawers.
- SOUTHCO door lock.
- **Total 4 Large 24X10 S/S portholes with storm cover**
- A/C outlets.
- Air-conditioning outlet.
- Fabric covered behind bed
- Ceiling treatment as 60C06
- Vanity unit as 60C06

### **1.13 Master Ensuite Head**

- Teak walls, floating mirrored ceiling with rope lighting.
- High gloss teak grating.
- Safety Glass shower door with Logo.
- Three way valve for direct or holding tank or deck to be conveniently placed.
- Shower sump pump
- STARON counter top
- Shower faucet
- 24 V spot lights (HELLA LED).
- TECMA head fresh water flush with anti-siphon .
- Exhaust blower – EC Smith
- Push knobs for cabinets/drawers.
- AC outlets.
- Usable storage cabinets
- FRP Shower cubicle
- Clear glass sink with Grohe faucet



- One set quality bathroom fittings
- Granite floor in head
- **Mosaic shower tiles**

#### **1.14 Crew Cabin**

- **Watertight transom door from swimming platform/transom (Aritex)**
- **2 oval port holes with storm covers (one each on port & starboard side) of same standard size as per 60/62**
- **Single bed in crew cabin**
- **Jabsco head fresh water flush with anti-siphon**
- **Shower faucet**
- **Sink and faucet**
- **Three way valve for direct or holding tank or deck to be conveniently placed.**
- **24 V spot lights (HELLA LED).**

#### **1.15 Engine room / Machinery systems**

- Engine exhausts to exit Transom or side. (Maybe underwater if space allows).
- Grey Rubber floor but with teak in the middle (Heat resistant glue)
- GROCO internal raw sea water strainers suitable for engines.
- Engine sea water intake to have change over for emergency bilge pump
- Twin large RACOR fuel filters with gauges for main engines with water alarms
- One RACOR fuel filter for generator.
- AQUA stainless steel shafts.
- P.Y.I dripless stern glands.
- Flex coupling R&D Marine
- Heavy duty stainless steel underwater brackets with cutlass bearings.
- Propellers 4 bladed. (Hung Sheng C class) – CNC Machined  
Rudders stainless steel blades/S.S shafts with FRP rudder tubes
- FRP wet mufflers.
- Halyard Exhaust temperature alarms
- Good quality exhaust Black color tubing
- HYNAUTIC hydraulic steering.
- 12 VDC Engine room blowers & air intake vents X 4. Moisture Eliminators with 2 X fan inlet and 2 X outlet
- Superior engine room sound proofing material –1.5” foam & lead.
- White aluminum perforated sheets to cover all bulkheads and fuel/water tanks, etc.
- Five automatic electric bilge pumps. Engine room bilge pumps high water alarms (RULE).
- Henderson MK V manual bilge pump flush mounted in cockpit
- Stainless steel fuel manifold & fuel return manifold.
- FRP fuel tanks with baffles (to be tested to 5 PSI).
- FRP or S/S water tanks with baffles (to be tested to 5 PSI).
- Sight gauges Acrylic from Taiwan, self closing cocks and tank vents fitted to fuel and water tanks.

- Fuel tanks to have cross over valve.
- Rubber fuel lines.
- Blue hard plastic for cold fresh water.
- Red hard plastic for hot fresh water.
- White hard plastic for sea water.
- Cummins electronic engine controls.
- Sea cocks on all through hulls below water line (Bronze/Stainless steel good quality sea cocks) – consider sea chest
- Double hose clamps on all pipes.
- Pressurized fresh water system (JABSCO with combined pressure tank).
- 2 x 200 amp 12 V AGM battery for generator starting to be housed in FRP box & securely fastened.
- 2 x 200amp 12 V AGM batteries for each engine starting total 4 to be housed in FRP box securely fastened.
- 4 x 200amp 12 V AGM batteries for house to be housed in FRP box & securely fastened.
- 2 x 200amp 12 V AGM battery for bow thruster housed in FRP box & securely fastened.
- Battery disconnect switch (Electric).
- Battery parallel switch to combine house batteries to engine starting batteries.
- MASTERVOLT/NEWMAR 24V 3000W battery charger/ inverter with 100 amps charging.
- MASTERVOLT/NEWMAR chargemaster 24V/70-3
- Copper bonding throughout.
- FRP Maintenance free rudder tubes.
- Stainless steel rudder blades.
- FRP muffler for main engines. Adequate size with larger outlet
- Fresh water outlet with hose forward bulkhead of engine room.
- Tool cabinet (Lazarette).
- Oil confinement under engines.
- Black exhaust hose for main engines.
- 24V engine isolation switches (Motorized)
- FRP sewage holding tanks ( one black one grey) with macerator pump for dockside or overboard discharge.
- 6 DC lights in engine room and two DC lights in Lazarette
- All bilge pumps to be hot wired directly to the batteries.
- 24V sump pumps for showers.
- All pipings are to be securely supported and braced to prevent damage by vibration, etc.
- Stainless steel safety guards around both engines.
- Oil Reverso 24 VDC fitted for both main engines & the Generator.
- Dockside water connection (Par).
- S/S tank for spare new oil
- Terminal boards to be as waterproof as possible
- Fresh water hose
- S/S Polished engine beds
- All skin fittings above waterline to be Chrome or SS ( Shell/Clam type outlet).
- S/S fender holder in Crew cabin
- Lazarette to be partitioned with storage lockers

## **1.16 Electrical System**

- All wiring to be double insulated and in conduit and numbered on the control panel for wiring.
- 220V AC and 24V VDC cables to have distinctive color code for easy identification & numbered.
- All cables rating are to be in excess of the maximum load current. Isolate switches for all 220 V appliances as air-conditioner inverter charger, batteries, water heater. RCD fitted after all 220 V supplies such as shore power, generator, inverter.
- Two 220 V 32 amp shore power inlets. Shore power indication to show on main electrical panel.
- Electrical panel to have device for interlock between shore supply connection and the generator supply.
- BEP main switch panel.
- Five units reverse cycle marine air-conditioning systems (DOMETIC).
- **2 X 16.000 BTU for main saloon**
- **1X 12.000 BTU for pilothouse**
- 1 X 12.000 BTU for master cabin
- 2 X 12.000 BTU for guest cabins
- All circuit breakers to be of adequate size for the application.
- The boat shall be grounded throughout including all sea cocks.
- DC/AC Converters for 12v equipment.
- Upgrade to HELLA LED interior spotlights package
- 24V rope lighting around beds & head ceiling, ceiling treatment in saloon & under both sofas & under galley

## **1.17 Firefighting Equipment**

- Automatic engine room fire fighting system by SEA-FIRE Model FD 700M. c/w engines, generator and fans shutdown.

## **1.18 Miscellaneous**

- Zinc anodes on rudders, shafts, transom and trim tabs.
- Emergency tiller securely fastened.
- Steering gear compartment to be well ventilated.
- INTERLUX protect 2000E system with epoxy protection (2 coats).
- INTERNATIONAL primer and Black anti-fouling (2 coats).
- Black boot stripe 5/6" with 1" gap and then the black anti foul.
- S/steel fender holder for 6 fenders (In lazarette)

All weights & measurements are approximate

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

Add: B3 Clearwater Bay Apartments, 8 Ka Shiu Sai Kung, New Territories, Kowloon, Hong Kong  
Tel: 852 93075786 Fax: 852 2730 1647 Web: [www.explorermotoryachts.com](http://www.explorermotoryachts.com)