

CLIPPER

MOTOR YACHTS



CLIPPER 48'

SPECIFICATIONS

1.1 PRINCIPAL PARTICULARS

Length Overall.....	15.57 m	51 ft 4 in
Beam	4.51 m	15 ft 1 in
Draught.....	1.37 m	4 ft 6 in
Displacement.....	17 Tonnes	18.6 Tons
Water Capacity.....	1100 litres	300 US Gallons
Fuel Capacity.....	2470 litres	650 US Gallons

Main Engines:

2 X Cummins engines, 230 HP QSB HP each. Equipped with heat exchangers for fresh water cooling, engine overheat & low oil pressure alarms, complete engine instrumentation for both lower & upper helm stations – Smart craft single station for both helm stations. – (ETS Cummins controls – 2 buttons

Generator:

1 X Onan of 11.0 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.

Bow Thruster:

1 X 12 V Side Power bow thruster model SP 95T 8 HP 95 KGF with twin propeller with joy stick for lower & upper helm stations.

1.2 GENERAL CONSTRUCTION

- Gel Coat : Antique off white (cream)
- Hull, main deck, house & fly bridge molded fiberglass
- fly bridge with sandwich construction.
- FRP Fuel and Water tanks with baffles and cleaning manholes.
- Interior soles teak and holly throughout except the engine room.
- Teak interior trim.
- Stainless steel aft saloon door (Aritex, Taiwan)
- Aluminum starboard side door (Aritex, Taiwan)
- Rounded aluminum window frame with safety glass
- Four windows to be opening (sliding) including galley window with inside window screens.
- Four oval stainless steel port holes in the cabin trunk window screens to be supplied.
- Cabin Headliner in Cream vinyl.
- One deck hatch on main deck for master cabin (lewmar or bowmar).
- Stainless steel rub rail .
- Engine exhausts from Transom
- All through hull fittings and plumbing to have access hatches to the respective bilge areas.
- Automatic DC lighting to be fitted to bilges

1.3 General (Accommodation & Interior)

- Hand rubbed Burma teak paneling and carpentry in all spaces.
- Teak & Holly flooring throughout
- Soft vinyl (cream color) headliners with padding – Removable panel type
- High quality 70% gloss varnish for interior finish
- Good quality door locks saloon and cabin doors
- Light switches and AC outlets (Vimar or similar)
- Foam and lead Sound insulation to be used throughout the engine room including bulkheads.
- Teak and stainless wheel for lower station and stainless steel for upper station.
- Mattress covers and exterior white vinyl cushions 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.
- Air-con outlets in saloon and forward accommodation.
- All doors properly secured in open position.
- Access to engine room under the hinged companion way steps

Main Deck

- F.R.P. Swimming platform with teak laid on top.
- Teak aft deck and side decks to steps. Non Skid from steps and Non Skid deck on fly bridge
- Stainless steel swimming ladder with teak steps (to be swing down type with extension down to the water).
- One FRP Transom door and one FRP door starboard side bulwark.
- FRP bow pulpit with twin stainless steel rollers
- Muir anchor winch (HR 2500) with anchor windlass wiring 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 remote auto anchor chain counters. Foot switches for up/down next to Bow locker. Two perko lights positioned port/starboard bow coaming to light up anchoring arrangement.
- 45Lbs Bruce Anchor
- 200' Galvanized Anchor Chain
- Fresh & Salt water wash down bow and aft deck

- Bow & stern staffs
- FRP Bulwark coaming.
- ¼” 316 stainless steel stanchions highly polished.
- Hot and cold transom shower in aft deck.
- Two shore power connections – One in aft deck locker– one next to starboard saloon door
- Fuel oil and fresh water inlets
- Stainless steel fairleads and cleats - Fairlead/cleat – 2 bow, 2 mid ships and two aft.
- Suitable scuppers/drains.
- FRP Integral stairs from aft deck to fly bridges . LED lights fitted to each step.
- Engine air intake port and starboard amidships on the superstructure with dorade.
- Hatch in aft deck with stainless steel gas struts for access to lazarette.
- Stainless steel steps with teak treads to Lazarette.
- Floor boards as per the engine room.
- Cantaluppi chrome lights for side decks and under fly bridge / hard top.
- Lights for the two steps amid ships port & starboard including fly bridge steps and next to anchoring system.
- Suitable water drainage.
- 12 v Cable and FRP support for search light.
- 12vDC outlet

Lower Helm station

- Complete engine instrumentation and alarms
- Engine hour meters
- Hydraulic trim tabs from Bennet with dual rams. (4812DSRS)
- Electric air horn with single trumpets. - DC outlet
- Three electric windshield wipers and washers (Double arm wipers)
- Cummins electronic engine controls.
- Hydraulic steering (Hynautic)
- 12V / 220 V wiring system throughout, switchboard with circuit breakers (AC & DC combined panel) Volt amp meters etc. Panel to be color coded and numbered. Four spare circuit breakers for AC & DC
- Fixed windows forward.
- Compass
- Teak stairway (hinged type down to accommodation)

Fly Bridge

- Non skid on Fly bridge (small diamond pattern)
- Helm station in the middle
- Standard full engine instrumentation and alarms (see “Main Engines”)
- Storage in fly bridge brow
- Hydraulic steering (Hynautic)
- Cummins electronic engine controls
- Stainless steel wheel.
- 5 Cantaluppi chrome lights for under the hard top
- Compass
- Stainless steel windshield with tinted lexan or acrylic.
- FRP radar arch with FRP hard top.
- FRP cabinet on fly bridge with electric BBQ and sink . Ice maker/Fridge under the sink.
- Navigation lights
- Seating as per drawing with sufficient perko lights. (Incorporated into Tooling)
- One FRP or teak table with stainless steel post
- White vinyl cushions (removable) with foam and mesh backs.
- Heavy duty 12 V wiring for davit.
- Double helm chair supplied from Spring field
- Stainless Steel sliding fly bridge Hatch (Aritex)
- 1 1/4” stanchions.

Saloon

- Built in “L” or U shaped settee (with Ultra leather) trim on all interior sofas.
- Hi-lo table
- Insect screens on all opening windows.
- T.V. antennae outlet to be fitted as required.
- Starboard side cabinet (Also TV optional)
- Teak & holly sole
- Hatches to access engine room with ladder. Gas struts fitted to the hatches.
- Overhead spot lights to be 12V spot lights by Hella or similar quality. .
- All furniture and bulkheads to be Light Golden Burmese teak.
- Push knobs for all drawers throughout the interior
- Air-conditioning outlets in
- AC outlets
- Companion way steps courtesy lights (Cantaluppi or similar)

Galley

- Corian bench top
- Insect screen on all openings
- Galley faucet (Good quality Grohe or similar)
- 4 burner electric Hob
- Microwave/ Convection oven

- AC outlets Vimar
- Double stainless steel sink
- Isotherm Fridge/Freezer - Cruise Inox
- Drawers and cabinets all flush style.
- Overhead locker for storage cabinet with rounded/curved end.
- Exhaust blower. Teak and holly sole.
- Push knobs for all cabinets & drawers.
- Fittings for cups / plates and crockery. Etc.
- Number / position A/C outlets to be determined
- Air-conditioning outlets

Port Guest Cabin

- Two single berths which can be combined to make a double
- Cedar lined hanging locker with automatic light as per drawings
- Insect screens to be fitted to port holes.
- Teak & Holly sole
- Two reading lights (Cantaluppi Model:53Patty57GS 12 V)
- 12V spot lights (same as saloon)
- Vinyl headliner removable attached with Velcro.
- Mattresses 6/8" foam fabric covered.
- Door with good quality lock
- push knobs for cabinets and drawers
- AC outlets (Vimar)
- Air-conditioning outlets

Guest Head

- All teak with mirrored ceiling
- Shower stall
- Insect screens on port holes
- Corian counter top with custom sink and faucet
- Shower and sink Faucets
- Large shower sump tank
- Mirror (beveled)
- Tecma electric head
- Door FRP inside and teak outside with lock.
- Three way valve for direct/deck discharge or to holding tanks
- Exhaust blower
- Spot lights
- Push knobs for cabinets and drawers
- High gloss teak floor grating for shower .

Master Cabin

- Island bed with four drawers fitted under
- Mattress 6/8" thick soft foam as per sample with fabric covering

- Insect screens on all opening port holes including hatch.
- Storage bin
- Cedar lined wardrobes with automatic light.
- Teak & holly sole
- Vinyl headliner removable with Velcro.
- 12V spot lights (same as saloon)
- Two Cantaluppi reading lights either side of the island bed.(Ondine wall mounted)
- Push knobs for cabinets and drawers
- Door lock
- Deck hatch as per drawing (Bomar or Lewmar hatch)
- Vimar A/C outlets
- Two lockers above the Island bed.
- Air-conditioning outlets. Vimar air con controller

Master Ensuite Head

- All teak with mirrored ceiling (spot lights same as saloon)
- Shower stall with shower water either direct discharge or to holding tanks. Valve to be conveniently placed.
- Insect screens on port holes
- Corian counter top with custom sink and faucet
- Shower and sink Faucets
- Large shower sump tank
- Mirror (beveled) With light
- Tecma electric head (color to be finalized)
- Door to be FRP inside and teak outside with lock.
- Three way valve for direct/deck discharge or to holding tank
- Exhaust blower
- Spot lights
- Push knobs for cabinets and drawers
- High gloss teak floor grating.

Engine room / Machinery systems

- Engine exhausts to exit Transom
- Trim tabs Bennett (4812DSRS)
- Non skid Aluminum plate for engine room sole & Lazarette
- Perko internal raw sea water strainers (suitable size for engines)
- Twin Racor fuel filters with gauges for main engines
- One Racor fuel filters with gauge for generator.
- SS shafts

- P.Y.I dripless stern glands
 - S/S Shafts
 - Heavy duty bronze underwater brackets with cutlass bearings.
 - Propellers 4 bladed. (Hung Sheng S class)
 - Rudders stainless steel blades/ SS shafts
 - Hynautic Hydraulic steering
 - 12 VDC Engine room blowers & air intake vents.
 - Superior engine room sound proofing material - foam & lead.
 - Aluminum perforated sheets to cover all bulkheads and fuel/water tanks etc.
 - Four automatic electric bilge pumps. Engine room bilge pumps high water alarm.
 - Manual bilge pump
 - Stainless steel fuel manifold & fuel return manifold.
 - FRP fuel tanks with baffles
 - FRP Water tanks with baffles
 - Sight gauges, self closing cocks and tank vents fitted to fuel and water tanks
 - Fuel tanks and their connections must be perfectly oil tight and pressure tested.
 - Fuel tanks to have cross over valve.
 - Rubber fuel lines
 - Blue hard plastic for cold fresh water.
 - Red hard plastic for hot fresh water.
 - Hard plastic for sea water (all FDA approved)
 - Cummins electronic engine controls.
 - Sea cocks on all through hulls below water line (BRONZE SEACOCKS)
 - Double hose clamps on all pipes.
 - 20 gallon hot water tank
 - Pressurized fresh water system (PAR or Shur flo WITH COMBINED PRESSURE TANK)
 - 1 x 100amp 12 V battery for generator starting to be housed in FRP box & securely fastened.
 - 2 x 200amp 12 v batteries for each engine starting to be housed in FRP box securely fastened.
 - 2 x 200amp 12 v batteries for house to be housed in FRP box & securely fastened.
 - 1 x 200amp 12 v battery for bow thruster housed in FRP box & securely fastened.
 - Battery disconnect switch
 - Battery parallel switch to combine house batteries to engine starting batteries.
 - Victron or Newmar battery charger 80 amp
 - DC exhaust blower outlet
 - Copper bonding throughout
 - Stainless steel rudder blades housed in FRP
 - FRP muffler for main engines
 - Fresh water outlet with hose forward bulkhead of engine room
 - Stainless or FRP steel drip tray under engine room, gearbox and fuel tanks
 - FRP exhaust for main engines.
 - Colour coded piping system
 - 12 V engine isolation switches
 - FRP Black & Grey holding tanks with macerator pump for dockside or overboard discharge
 - Six DC lights in engine room
 - All bilge pumps to be hot wired directly to the batteries with visual and audible alarms.
 - 12V sump pumps for each shower
 - All piping's are to be securely supported and braced to prevent damage by vibration etc
 - Stainless steel safety guards around both engines.
 - Dockside water connection (Par)
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- Electrical System**
- All wiring to be double sheathed, conduited 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 50 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
 - Four units split type reverse cycle marine air-conditioning systems from Dometic
 - 2 X 16.000 BTU for main saloon
 - 1 X 12.000 BTU for master cabin
 - 1 X 12.000 BTU for guest cabins
 - 12 V heavy duty wiring for davit on the fly bridge
 - 12V heavy duty wiring for the Side power bow thruster
 - All electrical AC sockets to be VIMAR or similar
 - All circuit breakers to be of adequate size for the application.
 - The boat shall be grounded throughout including all sea cocks etc.
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- Fire Fighting**
- Automatic & Manual Sea Fire FD 400 MA fire extinguisher.
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Miscellaneous

- Zinc anodes on rudders, shafts and transom and trim tabs
- Emergency tiller
- Steering gear compartment to be well ventilated.
- Interlux protect 2000E system with epoxy protection (Two Coats)
- International primer and Black anti-fouling 2 coats.
- Black boot stripe 5/6" with 1" gap and then the black anti foul.

All weights & measurements are approximate

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