

CLIPPER

MOTOR YACHTS



EUROPA 52

SPECIFICATIONS

I.1 PRINCIPAL PARTICULARS

Length Overall.....	16.15 m	53 ft 4 in
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Beam O.A.....	4.81 m	15 ft 10 in
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Draught.....	1.4 m	4 ft 7 in
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Displacement.....	19 Tonnes	20.9 Tons
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Water Capacity.....	1200 Litres	275 US Gallons
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Fuel Capacity.....	2800 Litres	640 US Gallons
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Main Engines:

2 X Cummins engines, 305 HP QSB 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. – Electronic controls from Cummins.

Generator:

1 X Onan of 12.0 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 155 KGF with single propeller with joy stick for lower & upper helm stations.

I.2 General Construction

- Gelcoat : Antique off white (cream)
- Hull will be end grain balsa coring from above water line. Main deck, house & fly bridge molded fiberglass - fly bridge with sandwich construction using Honeycomb.
- ALM Fuel and SS fresh water tanks with baffles and cleaning manholes
- Interior soles teak and holly throughout except the engine room.
- Aframosia interior trim.
- Frameless window frame with safety glass
- Three windows to be opening (sliding) including galley window with inside window screens.
- Three oval port holes in cabin trunk in each side
- Aluminum saloon sliding door.
- Cabin Headliner in cream vinyl.
- One SS deck hatch on main deck for master cabin (Manship).
- Rubber/Stainless steel rub rail on hull and around the swimming platform .
- 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

I.3 General (Accommodation & Interior)

- Hand rubbed Aframosia paneling and carpentry in all spaces.
- Marine grade plywood throughout.
- Teak & Holly flooring throughout (except master and guest head showers which shall be FRP with teak grating)
- Solid teak in head floor
- Soft vinyl (cream color) headliners with padding – Removable panel type.
- High quality 70% gloss varnish for interior finish
- Southco door locks saloon and cabin doors
- Light switches and AC outlets from Gewiss
- 1.5” Foam and lead Sound insulation to be used throughout the engine room including bulkheads.
- Teak wheel for lower station and stainless steel for upper station.
- Suitable access hatches in forward accommodation to access all areas of the bilge. Automatic DC lighting to bilge areas where there is an access hatch.
- Air-conditioning outlets.
- Aluminum sliding door for saloon
- Access to engine room from lazarette and access to pump room from companion way steps.

I.4 Main Deck

- F.R.P. integral Swimming platform with teak deck on top.
- Teak in the aft cockpit and both side decks to the first steps. Non skid (small diamond pattern) FRP foredeck.
- Stainless steel swimming ladder (to be swing down type with extension down to the water).
- One FRP Transom door and one FRP transom door 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. Windlass to be controlled from three stations. Lower helm station and fly bridge helm station MUIR auto anchor chain counters. Foot switches for up/down next to Bow locker.

- 60 lbs Stainless steel plough anchor
- Fresh & Salt water wash down bow and aft deck. (taps)
- Bow & stern staffs
- 50 Metres galvanized anchor chain
- One FRP box on aft deck..
- FRP coaming
- 1 1/2" 316 stainless steel stanchions highly polished.
- Hot and cold transom shower in aft deck.
- Two shore connections.
- Fuel oil and fresh water inlets.
- Sufficient Stainless steel fairleads and cleats - Fairlead/cleat – 2 bow, 4 mid ships and two aft.
- Suitable scuppers/drains.
- FRP stairs from aft deck to fly bridge with teak laid on top. LED lights fitted to each step.
- Engine air intake port and starboard amidships with Dorades
- Two Hatch in aft deck with gas struts for access to lazarette. Stainless steel steps with teak steps. Floor boards as per the engine room.
- Cantaluppi lights for side decks and under fly bridge.
- Lights for the two steps amid ships port & starboard including fly bridge steps and next to anchoring system.
- White vinyl cushions (removable) with foam and mesh backs.
- Heavy duty 12 V wiring for davit.
- One helm chair with white vinyl
- Sliding aluminum hatch from aft deck to fly bridge.
- 1/4" stanchions.
- Suitable water drainage.
- 12 v Cable and FRP support for search light.

1.6 Lower Helm station

- Complete engine instrumentation and alarms
- Engine hour meters
- Hydraulic trim tabs
- Electric air horn
- 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 (BEP AC & DC panel) Volt amp meters etc. Panel to be color coded and numbered. Four spare circuit breakers for AC & DC
- Fixed windows forward.
- Compass
- Premium helm seat
- Teak stairway (Lift up) down to accommodation

1.5 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.
- Compass
- Stainless steel windshield with tinted lexan.
- FRP radar arch. Two white water proof stereo speakers fitted both sides of the arch.
- Port/starboard navigation lights.
- Fly bridge seating as per drawing.
- FRP cabinet with sink and electric BBQ plus one u-line combo with hinged top.
- One FRP table with stainless steel post

1.7 Saloon

- Built in 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 with electronic controlled TV lift with 32" TV .
- Home theatre System with Surround sound
- Final interior layout as per drawings attached to these specifications.
- Teak & holly sole.
- Middle Hatch to access engine room with ladder. Gas struts fitted to the hatch.
- Access door to saloon aft to be Aluminum. Same for the one forward starboard side door.
- Overhead spot lights to be 12V spot lights by Cantaluppi

- Headliner to be removable. Cream color.
- All furniture and bulkheads to be Afromosia.
- Push knobs for all drawers throughout the interior.
- Speakers in saloon
- Air-conditioning outlets
- AC outlets (3 doubles)
- Zeus Cantaluppi wall lights X 2

1.8 Galley

- Corian bench top including counter .
- Insect screen on all openings
- Galley faucet
- AEG 60CM 4 burner electric Hob
- AEG 3 Function Combination Microwave MCD2660EM
- AC outlets
- Double stainless steel sink
- Isotherm Model Number CR 200
- Overhead locker for storage cabinet
- Exhaust blower. Teak and holly sole.
- Push knobs for all cabinets & drawers.
- Fittings for cups / plates and crockery. Etc.
- 2 double AC outlets

1.9 Port Guest Cabin

- Double berth
- Cedar lined hanging locker with automatic light
- Insect screens to be fitted to port holes.
- Teak & Holly sole
- Two reading lights (Cantaluppi)
- 12V spot lights Cantaluppi
- Vinyl headliner
- Mattresses 6/8” foam fabric covered.
- Door with Southco lock
- Push knobs for cabinets and drawers
- AC outlets
- Air-conditioning outlet
- TV aerial socket

1.10 Starboard Guest Cabin

- Single berth
- Cedar Lined Hanging Locker
- Insect screens to be fitted
- Teak & Holly Sole
- One reading light (Cantaluppi)
- 12V Spot Lights (Cantaluppi)
- Vinyl Head liner

- Mattress 6/8” Foam Fabric covered
- Door with Southco Lock
- Push Knobs for cabinets and drawers
- AC outlets
- Air-conditioning outlet
- TV aerial socket

1.11 Guest Head

- All Afromosia with mirrored ceiling
- Spot lights Cantaluppi
- Shower stall with shower water either direct discharge or to holding tanks.
- Safety Glass shower door with Clipper Logo
- Insect screens on port holes
- Corian counter top with custom sink and faucet .
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- Shower and sink Faucets
- FRP Large shower sump tank
- Mirror (beveled)
- Tecma silence flush Low profile Fresh water flush
- Three way valve for direct/deck discharge or to holding tank
- Exhaust blower
- Spot lights Cantaluppi
- Push knobs for cabinets and drawers
- High gloss teak grating in shower
- Teak floor

1.12 Master Cabin

- Island bed with four drawers fitted under
- Mattress 6/8” thick foam with fabric covering.
- Insect screens on all opening port holes including hatch.
- 12V/220V flat screen TV 22” with DVD
- CD/Radio stereo/speakers
- Storage bins
- Cedar lined wardrobes with automatic light.
- Teak & holly sole
- Vinyl headliner removable with Velcro.
- 12V spot lights Cantaluppi
- Two Cantaluppi reading lights either side of the island bed.
- push knobs for cabinets and drawers
- Door lock

- Deck hatch as per drawing
- A/C outlets
- Air-conditioning outlet.
- Mirror on forward bulkhead (beveled)

I.13 Master Ensuite Head

- Afromosia walls, mirrored ceiling.
- High gloss teak grating.
- Safety Glass shower door with clipper logo
- Three way Valve for direct or holding tank or deck to be conveniently placed.
- FRP sump tank
- Corian counter top with sink and faucet
- Shower and sink faucet
- 12 V spot lights. Cantaluppi
- Tecma head fresh water flush.
- Exhaust blower
- Insect screens on all port holes.
- Push knobs for cabinets/drawers.
- AC outlets.

I.14 Engine room / Machinery systems

- Engine exhausts to exit Transom
- Trim tabs
- Non skid Aluminum plate for engine room sole.
- Groco internal raw sea water strainers suitable for engines.
- Twin large Racor fuel filters with gauges for main engines
- One Racor fuel filter with gauge for generator.
- Stainless steel shafts.
- P.Y.I dripless stern glands
- Heavy duty stainless steel underwater brackets with cutlass bearings.
- Propellers 4 bladed. (Hung Sheng C class)
- Rudders stainless steel blades/s.s shafts
- Hydralift wet mufflers
- Hynautic Hydraulic steering
- 12 VDC Engine room blowers & air intake vents.
- Superior engine room sound proofing material –1.5”foam & lead.
- Aluminum perforated sheets to cover all bulkheads and fuel/water tanks etc.
- Five automatic electric bilge pumps. Engine room bilge pumps high water alarm. (RULE)
- Manual bilge pump
- Stainless steel fuel manifold & fuel return manifold.
- ALM fuel tanks with baffles
- SS water tanks with baffles
- Sight gauges, self closing cocks and tank vents fitted to fuel and water tanks
- Fuel tanks to have cross over valve.
- Rubber fuel lines.
- Hep 2 / 0 hard plastic for cold fresh water.
- Hep 2/ 0 hard plastic for hot fresh water.
- Cummins electronic engine controls.
- Sea cocks on all through hulls below water line (BRONZE/Stainless steel good quality SEACOCKS)
- Double hose clamps on all pipes.
- 20 gallon hot water tank
- Pressurized fresh water system (Jabsco WITH COMBINED PRESSURE TANK)
- 1 x 200 amp 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.
- 3 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 (Electric)
- Battery parallel switch to combine house batteries to engine starting batteries.
- Victron 12V 3000W battery charger/ inverter with 80 amps charging
- DC exhaust blower outlet
- Copper bonding throughout
- Maintenance free rudder bearings
- Stainless steel rudder blades
- FRP muffler for main engines
- Fresh water outlet with hose forward bulkhead of engine room
- 12V engine isolation switches
- FRP sewage holding tanks with macerator pump for dockside or overboard discharge
- Eight DC lights in engine room and Two AC lights
- All bilge pumps to be hot wired directly to the batteries.
- 12V sump pumps for shower
- All piping's are to be securely supported and braced to prevent damage by vibration etc
- Oil Reverso 12 V Dc fitted for both main engines & the Generator.

I.15 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 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 16.000 BTU for guest cabin
- 12 V heavy duty wiring for davit on the fly bridge
- 12 V heavy duty wiring for the side power bow thruster
- All circuit breakers to be of adequate size for the application.
- RCD fitted.
- The boat shall be grounded throughout including all sea cocks

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I.16 Fire fighting Equipment

- Automatic engine room fire fighting system by sea fire Model FD 700M

I.17 Miscellaneous

- Zinc anodes on rudders, shafts and transom
- Emergency tiller
- Steering gear compartment to be well ventilated.
- Interlux protect 2000E system with epoxy protection
- 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