

GENERAL EQUIPMENT

SPECIFICATIONS

Architect	Farr Yacht Design, Ltd
Styling	AB Concept / Franck Darnet Design
L.O.A.	17.60 m
Hull length	17.20 m
L.W.L	15.00 m
Hull beam	4.93 m
Displacement	21500 kg
Minimum draught with cast iron deep keel	2.60 m
Minimum draught with cast iron shallow keel	2.10 m
Air draft	23.50 m
Water capacity	1000 l
Fuel capacity	480 l + 185 l en option
CE certification	A10 / B11 / C14

SAIL AREA

Total sail area	168 m ²
Mainsail	74 m ²
Genoa	94 m ²
Spinnaker	220 m ²

RIG DIMENSIONS

I	20.00 m
J	6.50 m
P	19.00 m
E	6.87 m
SL	20.00 m
SMW	11.70 m



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1 CONSTRUCTION

1.1 Structure

- Hull: solid GRP laminate with balsa rib band
- Structural hull liner bonded and laminated to hull
- Deck: Balsa sandwich for rigidity, weight saving, thermal and sound insulation
- Hull and deck in white gel coat
- Stainless steel rubbing strake on hull sides

1.2 Keel

- Draught with standard cast iron deep keel: 2.60 m
- Draught with optional cast iron shallow keel: 2.10 m

1.3 Steering system

- Spade rudder with composite-glass and stainless steel bearings
- Hydraulic steering mounted on forward port bulkhead
- Solid wood adjustable armchair
- Bow thruster (Ø 185 24 V / 125 kg) with remote control at helm station
- Optional pedestal steering wheel
- Emergency tiller
- Hydraulic pump for autopilot (option)
- Option: Pedestal mounted steering wheel

2 DECK EQUIPMENT

2.1 Deck

- Deck edged by bulwark with solid wood capping
- 'Diamond Point' non-slip surface applied to side decks and coachroof top
- Teak cockpit table with folding leaves, icebox and PVC protective cover.
- Teak toe rails and rounded return flange hull-to-deck joint.
- Self-draining anchor locker with electric windlass on deck.
- Foredeck sail storage locker, accessible through a large deck hatch.
- Cockpit windscreen.
- Self-draining cockpit.
- Teak slatted removable cockpit floor giving access to the engine room.
- Teak inlaid cockpit seats.
- Teak table in center cockpit with icebox.
- Leather covered steering wheel, diameter 800 mm. Compass on binnacle.
- Engine instrument panel in front of helm station.
- Engine control on bulkhead.
- 1 Storage locker under aft cockpit seat.
- 2 rope storage lockers in cockpit.
- 1 port aft gas locker
- 1 starboard aft rubbish locker
- 2 lockable stern lockers port and starboard
- Hydraulic inlaid teak folding boarding platform (patented) with remote control.
- Storage lockers for life raft under boarding platform steps.
- Stainless steel swim ladder with wooden steps.
- Shower in opening transom: hot and cold water.

2.2 Pulpit-lifelines

- 28 mm diameter stainless steel pulpit with teak step, and navigation lights.
- 28 mm diameter stainless steel stern rail with ring buoy support.
- Teak mounting board for outboard engine.
- Stainless steel tapered stanchions.
- Opening lifelines gates.
- Double stainless steel lifelines.
- Stainless steel hand rails on coach roof.
- Stainless steel dorade guards.
- Teak folding seats on pushpits.

2.3 Anchoring-Mooring

- Stainless steel stemhead fitting with 2 anchor rollers.
- Self-draining anchor locker with split hatches.
- Electric 1 800 W windlass with up/down remote control, chain counter and up/down control from cockpit.
- 8 Stainless steel mooring cleats : 2 forward, 4 amidships and 2 aft.

2.4 Winches HARKEN

- 4 winches in cockpit :
- 2 Lewmar 66.2 STC HARKEN Genoa sheet winches.
- 1 Lewmar 48.2 STCE HARKEN electric manoeuvring winch to starboard.
- 1 Lewmar 48.2 STC HARKEN manoeuvring winch to port.
- 2 winch handles.
- 2 winch handle holders in cockpit.

2.5 Deck hardware

- 2 Genoa tracks (3 m) with travellers cars.
- 2 genoa track sliders.
- 2 single ball-bearing Genoa sheet lead blocks.
- Mainsheet traveller track (at far end of the boom).
- 2 - 6 sheaves deck organizers.
- 8 deck stoppers.
- Deck padeyes for spinnaker fittings.
- Halyard storage at mast step.

2.6 Deck hatches and portholes

- Lewmar Ocean deck hatches.
- Lewmar Atlantic opening portholes.
- Fixed portholes on hull.

2.7 Navigation and deck lights

- Port and starboard lights on bow pulpit..
- Light on stern rail.
- Steaming light on mast.
- Anchor light at masthead.
- Deck spotlights.
- 12 V outlet in cockpit.

2.8 Ventilation

- 4 adjustable cowls vents mounted on dorade boxes
- Stainless steel dorade guards

3 MAST AND RIGGING

3.1 Mast-boom

- Mast step fitting with articulated blocks.
- Keel-stepped anodized aluminium tapered 9/10th mast, 3 spreaders.
- Outhaul Boom track (excl. ball bearing slider).
- 2 folding steps on mast for mainsail access.
- Anodized aluminium boom, with outhaul and 3 reefing lines.
- Roller furling Genoa system (electric as an option).
- Optional spinnaker pole and gear.
- WINDEX (wind direction).

3.2 Standing rigging

- Stainless steel forestay chain plate fitted on bow.
- Shroud chain plates connected to 27 mm stainless steel tie rods integrated into the structural grid.
- Stainless steel backstay chain plates.
- Stainless steel standing rigging.
- Twin back stay.

- Rigid boom vang.
- Grounded rigging.

3.3 Running rigging

- 1 Genoa halyard
- 1 main sail halyard
- 1 Boom topping lift
- 3 Boom reefing lines
- 1 Mainsail outhaul/flattener
- 2 Genoa sheets
- 1 Mainsheet
- 2 Main traveller car adjusting lines

3.4 Optional sails (Standard yacht supplied without sails)

- Roller furling genoa (140 %) with UV protection.
- Classic mainsail with ball bearing sliders, 3 reefing lines, full batten
or
- Furling mainsail.

4 ENGINE EQUIPMENT

4.1 Engine

- YANMAR 4JH 4HTE – 110 HP diesel – 81 kW
- Engine chassis integrated with inner hull grid.
- 1 alternator 12 V : 80 A / Yanmar.
- 1 alternator 24 V : 55 A / Yanmar.
- Stainless steel 40 mm diameter propeller shaft with GRP protection moulding into hull.
- 3 MAX PROP propeller.
- 1 x 12 V 140 AMP engine starting battery.
- Engine access from removable deck hatch, interior door, lifting companionway.
- Optional folding propeller.

4.2 Instruments

- Engine instrument panel in front of helm station under windscreen.
- Panel-light, starting key, tachometer, hour-meter, oil-gauge, temperature indicator, temperature alarm, oil-pressure and fuel gauge
- Control for throttle and shift on bulkhead.

4.3 Engine compartment

- Engine compartment located under the central cockpit.
- Companionway stairs mounted on hinges and held by hydraulic jacks when raised. Easy access to the engine compartment accessible via walkways and removable cockpit floor.
- Engine compartment insulated with 40 mm fire retardant foam.
- Location for engine, generator, battery charger 40 amp.
- Space for options : desalinator, heater.

4.4 Diesel circuit

- Fuel capacity 480 litres in 2 tanks located in aft cabin.
- Deck mounted stainless steel diesel filler cap.
- 2 rotomoulded tanks with baffles drain valves, and gauges.
- Fuel filter / water separator on fuel line.
- Optional fuel tank 185 litres.

5 PLUMBING SYSTEM

5.1 Tanks

- Fresh water capacity 1 000 litres, in 4 rigid polyester water tanks integrated with inner hull grid.
- Deck mounted stainless steel water filler cap.
- Tanks with baffles drain valves, gauges.

5.2 Pumps

- Hot / cold pressurized fresh water with automatic pump compression tank.
- Electric pump for discharge icebox.

5.3 Hot water

- 42 liter Raritan water-heater, warmed by engine or 110 / 220 V.

5.4 Taps

- Mixing taps in galley and heads.
- Hot and cold cockpit shower.

5.5 Draining pumps

5.5.1 Bilge pumps

- 1 manual bilge pump
- 1 electric bilge pump
- 1 electric bilge pump with automatic switch

5.5.2 Sump pump

- Shower compartment with automatic shower drain pumpe.

5.5.3 Head

- WC ITT PAR electrical marine toilet in owner's cabin.
- WC ITT PAR manual marine toilets.
- Holding tank in middle toilet (starboard side)

6 ELECTRIC CIRCUIT

- 12 V and 110 / 220 V electrical circuits, with numbered and colour coded wiring.
- Ducting for standard and optional cabling.

6.1 12 and 24 volts circuits

6.1.1 Alternator

- 1 alternator 12 V – 80 A / Yanmar.
- 1 alternator 24 V – 55 A / Yanmar.

6.1.2 Battery charger

- 1 Battery charger 20 Amp 12 v.
- 1 Battery charger 40 Amp 24 v.
- Charge divider / isolator 120 Amp.

6.1.3 Batteries

- Main battery switches
- 1 x 12 V-140 AMP battery for motor-starting
- Service battery bank: 2 x 24 V-140 AMP batteries

6.1.4 Electric control panel

- 12 V electrical control panel, with 25 thermal breakers, panel lighting, cigar lighter, voltmeter, ampèremeter, battery test, water gauges

6.1.5 12 v electric equipment

- Stereo / CD/MP3
- Electronics

6.1.6 24 v electric equipment

- Electric windlass
- Electric winches
- Bow thruster
- Pumps

- Navigation lights
- Lights
- Refrigeration unit

6.2 110 / 220 volts electrical circuit

6.2.1 Shore power

- 110 / 220 V dockside connection, protected with differential breaker and distribution system.

6.2.2 Electric control panel

- 110 / 220 v electrical control panel

6.2.3 110 / 220 v electric equipment

- Interior outlets : 1 in each cabin, 1 at chart table, 2 in galley, 2 in salon.
- 42 liter Raritan water-heater (on engine too).
- 2 Batteries chargers.
- Microwave oven (option)
- Dishwasher (option)

6.3 Interior lighting

- 24 v lights.
- Halogen overhead lighting in cabins, salon and galley.
- Fluorescent overhead lighting in heads.
- Courtesy lights in salon.
- Overhead lighting in engine compartment.
- Reading lights in cabins.
- Automatic lighting in hanging lockers.

6.4 Generator

- 1 500 rev / min / 9.5 KVA Generator

7 GAS CIRCUIT

- Gas bottle locker in aft port platform able to stow 2 gas bottles (delivered without bottles).
- Copper gas feed line, with valve cut-out control at galley.
- Stainless steel 4 burners stove with gimballed oven.

8 INTERIOR ACCOMMODATIONS

8.1 Woodwork

- Light fruitwood-stained woodwork
- Parquet-type varnished soles
- Padded Ceilings.
- Wood door frames.

8.2 Cushions

- Cabins have double density marine mattresses (with anti-mite, fungicide, bactericide and hypoallergenic treatment) and bed covers (Victory Oyster) as standard
- Slatted bed base in owner's cabin.
- The seating is triple density foam. The seat backs are double density foam.
- Cabin and saloon ports have matching curtains as standard
- Heads portholes are fitted with roller shades.
- Each deck hatch is also fitted with a roller shade.
- Blinds on panoramic ports above saloon.

8.3 Salon

- Cabin access through companionway with sliding hatch and wooden retractable hatch boards.
- Curved wooden companionway steps.
- Hanging wet locker to port.
- Chart table and salon to starboard.

- Dinette table and settee chairs on port side.
- Opening "Atlantic" portholes on the coachroof and "Ocean" deck hatches.
- Panoramic porthole above saloon with integrated blinds.
- Halogen overhead lighting.
- Courtesy lights.
- Lockers alongside hull and storage under the settees.
- Rounded, removable woodwork hides the keel-stepped mast.
- 2.10 m Headroom (2.15 m in companionway / 2.00 m in forward saloon).
- 2 plexiglass lights.

8.3.1 Chart table to starboard

- Curved navigator's wooden seat with storage locker beneath faces forward to the chart table.
- Storage in the chart table.
- Drawer with tool set.
- Room to mount electronics.
- 110 / 220 V outlet.
- Halogen overhead lighting.
- 2.05 m Headroom.

8.3.2 Port Saloon

- Table.
- Curved seating along the hull side.
- Storage lockers.
- 110 / 220 V outlet.
- 2 moveable chairs (stored in crew cabin locker).
- 2 fixed seats to starboard.
- 2.05 m Headroom.

8.3.3 Starboard saloon

- Saloon corner with two-seater settee and central armrest
- Removable bar/sideboard (stows beneath settee)

8.4 Cabins

- Opening "Atlantic" portholes on the coachroof and "Ocean" deck hatches and cowls.
- Halogen overhead lighting and 2 reading lights at the head of each berth.
- Double berth.
- Drawers under the berth.
- Hanging locker and shelves alongside the hull.
- 110 / 220 V outlet.
- 1.95 m Headroom.
- 1 plexiglass light.

8.5 Crew cabin

- 2 Opening "Atlantic" portholes on the coachroof.
- 1 single berth (2nd superposed as an option).
- 2 Drawers under the berth.
- Halogen overhead lighting and reading light at the head of the berth.
- Locker for saloon moveable chairs.
- Shelves alongside the hull.
- 110 / 220 V outlet.
- 1.92 m Headroom.
- Optional workshop / laundry or office instead of a crew cabin.
- 1 plexiglass light

8.6 Galley

- 2 Opening "Atlantic" portholes on the coachroof, 1 opening "Atlantic" porthole on the cockpit and 1 fixed hull porthole.
- Double rectangular s/s sinks.
- 4 burner stove with oven, mounted on gimbals.
- Electric overhead exhaust fan over the stove.

- 130 l s/s refrigerator with front access s/s door.
- 100 l GRP refrigeration with holding plate and top access.
- 220 v Microwave.
- 220 v Dish washer.
- 1.92 m Headroom.

8.7 Heads

- Shower compartments moulded in one piece for water tightness and easy cleaning.
- Glass counter surface with integrated s/s sink with tap.
- Single lever mixing tap.
- Large porcelain marine toilet (electrical in owner's cabin).
- Locker.
- Mirrors.
- Towel rail, glass rack, toilet paper holder.
- 2.00 m Headroom.

8.8 Sail locker

- T60 lockable deck hatch
- Shelves along the hull sides
- Stainless steel ladder for access
- Bow thruster

9 NAVIGATION INSTRUMENT

- Compass at helm station
- Nav pack (option) : Navigation console with GPS, colour chartplotter, radar and VHF

10 OPTIONS

10.1 Electronics Pack G

Bulkhead-mounted helm wheel version
Raymarine Electronics

Instrument console

- ST290 Data repeater display
- ST290 Graphic display
- ST290 Analogue wind display
- ST290 Analogue rudder display
- E80 8.4" LCD colour multifunction navigation display (GPS, plotter, Navionics Gold chart reader (card not included)) and radar
- RAY 240E modular VHF system with speaker
- Autopilot with ST290 LS RV2 control console

Table à carte

- ST290 Graphic display
- RAY 240E DSC VHF with speaker
- Smartcontroller wireless autopilot remote control and instrument repeater
- PC interface
- Radome aerial for radar
- Gyro compass sensor

10.2 Electronics Pack F

Column helm wheel version
Raymarine electronics

Instrument console

- ST290 Data repeater display
- ST290 Analogue wind display

- ST290 Analogue rudder display
- E80 8.4" LCD colour multifunction navigation display (GPS, plotter, Navionics Gold chart reader (card not included)) and radar
- RAY 240E modular VHF system with speaker
- Helm console
- Autopilot with ST290 LS RV2 control console
- ST290 numeric remote keyboard for graphic + data display
- ST290 Graphic display

Chart table

- ST290 Graphic display
- RAY 240E modular VHF system with speaker
- Smartcontroller wireless autopilot remote control and instrument repeater
- PC Interface
- Radome aerial for radar
- Gyro compass sensor

10.3 Electronic equipment not included in pack

- Raymarine AIS receiver
- 2nd Raymarine E80 or E120 colour multifunction display at chart table

10.4 Sailaway Pack

- Teak slatted side decks
- Cockpit windlass control with chain counter
- 2 stainless steel guardrails at mast foot
- Onan 9.5 kva/1500 rpm generator
- Microwave oven
- Dishwasher

10.5 Other options

- Column-mounted helm wheel
- Anodised in-mast furling gear, manual or electric (sail not included)
- Electric genoa furling gear
- Detachable staysail U-bolt + tack position
- Staysail furling gear, manual or electric (sail not included)
- Furling staysail
- Sails:
 - Furling genoa with UV protective strip
 - Traditional fully-battened mainsail with 3 reefing points and ball-bearing cars

or:

 - Furling mainsail
- Asymmetric spinnaker gear:
 - 1 mast-mounted HARKEN 46.2 STC halyard winch
 - 1 halyard
 - 1 pole uphaul
 - 2 spinnaker halyards
 - Blocks and jammers
- Symmetric spinnaker gear:
 - 1 mast-mounted HARKEN 46.2 STC halyard winch
 - 1 halyard
 - 1 pole uphaul
 - 2 spinnaker sheets and 2 guys
 - Blocks and jammers
- Mast-stowed anodised spinnaker pole with setting rail on forward face of mast

Winches :

- H46.2 ST CEH line handling winch to port

- H70.2 ST CEH genoa sheet winches
 - H53.2 STC spinnaker sheet winches

 - Sprayhood with 2 or 3 hoops
 - Sun cover
 - Bimini
 - 2 sunbathing mattresses
 - Cockpit cushions
 - Teak coachroof and cockpit surround
 - Aluminium and teak gangway
 - Seawater deck wash point in anchor well
 - Freshwater shore supply
 - 24/220V 60 L/hr watermaker
 - 33,000 - 47,000 BTU air conditioning unit (depending on layout)
 - Eberspächer D12W heater
 - 220V icemaker
 - 12V refrigerator in cockpit table
 - 220V washer/drier in passageway cabin
 - Additional WC holding tanks
 - Steel blue hull
 - Bunks in passageway cabin
 - Safe
 - Additional electric WCs
 - 300Kg Bezenzoni electric davits
 - In-boom derrick
 - Additional 185L diesel tank
 - 3rd 24V service battery
 - Gori 3-blade propeller
 - Rope cutter
 - Mosquito screens
- HiFi and video:
- 15" or 20" LCD TV
 - TV aerial
 - CD/DVD/MP3 player
 - BOSE 2.1HiFi