

**CONSTRUCTION****Hull& Deck****Hand laminated GRP**

White (isophthalic) gelcoat with black decorative bands

First layers: laminated with isophthalic polyester resin, optimal strength/weight ratio - achieved by using unidirectional, biaxial and triaxial glass fibers

Sandwich construction above water line; core material is PVC (closed cells)

Reinforcements in stainless steel bonded to the hull with structural glue transferring loads from mast and keel.

Hull innerliner reinforced with carbon fiber in high stress areas.

Structural glued longitudinal.

Stress areas on deck (where winches and major deck fittings are fixed) reinforced by replacing PVC core with plywood or aluminum

**Deck to Hull joining**

Hull and deck are bonded with Methyl-Methacrylate structural glue

The (teak) toe rail is bolted through deck and hull flange

**DECK EQUIPMENT**

Stainless steel chainplates

Self-draining anchor/chain locker

6 stainless steel stanchions & Lifelines

Handrails on the Coachroof

Acrylic sliding Companionway hatch, with garage for optional Sprayhood

**Cockpit**

8 mm solid teak ribs/massive on cockpit seats, side trims

Dry storage locker on port& stbd side

Storage locker in mid aft cockpit

Removable transom bench

Outboard drained gas bottle (ps) compartment

Single lever engine control

Recessed engine controls panel

Fire Extinguisher

**Mast**

Silver anodized aluminum keel stepped fractional mast.

Double swept back (approx. 20°) spreaders in aluminum

The mast step bolted to the bottom reinforcement/stainless steel grid

**Boom**

Silver anodized aluminum boom

Two (internal) reef lines for single line reefing system; one clew outhaul device

The gas (or spring) pressured boom vang with an outer purchase block system

**Standing rigging**

Discontinuous stainless steel rigging in 1x19 wire (with stainless steel turnbuckles)

Cascade backstay adjuster/tensioner

**Running rigging**

All halyards, reef lines, tensioners and control lines are led to the cockpit (winches)

The standard mast includes:

- 1 x main halyard
- 1 x genoa halyard
- 1 x boom topping lift

Sheets & ropes:

- 1 x main sheet
- 2 x genoa sheet
- 1 x vang
- 2 x reefing line
- 1 x outhaul

**Track system**

Genoa Traveler Car

5:1 genoa car system with ball bearings

**Blocks****Mainsheet system**

- 6:1 system for a mainsheet

**Halyards**

- 6 x Block Single

**Deck organizers**

- 2 x 4 sheave deck organizers for halyards and lines

**Stoppers (Clutches)**

- 2 x 3 winch clutches - for halyards, reef lines, vang - placed on cabin roof

**Winches**

2 halyard 2-speed winches, size 35, placed on cabin roof

2 primaries/genoa sheet 2-speed winches, size 40

2 winch handles with PVC handle holders

**SHIP EQUIPMENT****Steering system**

Tiller in black aluminum with extending pole

Emergency tiller in stainless steel

**Keel**

Standard keel (bulb shape), cast iron (nodular), 1,75 m draft

**Navigation/Communication Equipment****Magnetic compass**

Navigation lights (bow port&stbd, stern), running light, anchor light, deck light

**Anchoring & Mooring Equipment**

4 x mooring stainless steel cleats

**INTERIOR ACCOMODATION****Standard interior layout (A): Owner's cabin, Aft cabin and 1 Head unit**

Interior in GRP laminate and PVC core material, visible sides white (isophthalic) gelcoat

Fiddles, moldings and frames in solid wood

Laminated floorboards

All main Bulkheads are marine okume plywood bonded to Hull and Deck inner-liner and laminated to hull sides, cover with mahogany veneer

Invisible Hull sides, Bottom, Bilge etc. are topcoated

Cabin mattresses and saloon cushions are made in high quality foam and upholstery. Upholstery is removable for ease of maintenance.

Standard upholstery material is SAND

**COMPANIONWAY**

Gas springed openable companionway as engine compartment cover

Molded wood steps with antiskid

2 Stainless steel handrails

**OWNER'S (FORWARD) CABIN**

Large double Berth towards fwd

Mattress in 2 parts

Shelves above bed along Hull sides

Access to stowage compartments under Berth

2 Double Wardrobes (port&stbd side) with Shelves and Hangers

Seat forming shoe locker

Fresh Water tank under Berth

1 large opening deck hatch with blind

2 hull windows

2 reading lights

**AFT CABIN (PORT)**

Double Berth

Mattress in 2 parts

Shelve above bed along Hull port side

Large hanging Locker with double door and Shelve above

Access to the engine

1 opening porthole on coaming with blind

1 opening porthole on cockpit with blind

1 hull window

1 reading light

**AFT HEAD UNIT**

Molded GRP unit with wash basin  
 Hot&cold fresh water mixing tap / shower  
 Shower directly drained by electric pump  
 Manual marine toilet  
 Front opening Locker with Mirrored door  
 Wet Locker for drying of wet sailing cloth  
 40 L waste holding tank  
 Toilet accessories  
 Stainless steel handhold  
 1 opening porthole on coaming with blind

**SALOON**

Large sofas on each Hull side  
 Salon table (foldable and removable), Chart table desk (with space for charts and instruments on stbd side), shelves over seethe, cabinet doors made high quality marine core, mahogany veneered  
 Backrests and seats in foam  
 Stowage compartments under seats  
 Stowage under chart table with door  
 Upper Locker for navigation instruments and Electric switch panel along the hull  
 Seat with cushion  
 Fire Extinguisher

Stainless steel Handrails mounted on top-sides  
 1 large opening deck hatch with blind  
 1 opening porthole on coaming with blind  
 2 hull windows

**GALLEY**

L-shaped Galley  
 White Compact worktop with wooden fiddle round it  
 Stainless steel sink  
 Mixing tap for pressurized hot&cold fresh water  
 Gas stove (on gimbals) with an oven and 2 burners  
 Top loading GRP refrigerator app. 80 L, 12V  
 Storage lockers with shelves and doors above work top along Hull side  
 Storage with shelve and door under sinks  
 Bottles storage  
 Stainless steel handhold  
 1 opening porthole on coaming with blind

**ENGINE COMPARTMENT**

Sound insulated with high density foam material  
 Easy accessible through opening the Companionway stairs and/or removing the back side (provided in aft Cabin)  
 Provided with Automatic Fire Extinguisher

**SANITARY SYSTEMS; DISCHARGE SYSTEMS**

Pressurized fresh water system  
 Ventilated Fresh water tanks for a total capacity of app. 180 l with inspection hole/cover  
 Tank level gauge (placed on electric switchboard)  
 Fresh water deck inlet on the deck  
 Mixing fresh water taps are fitted in Head unit and in the Galley  
 Shower basin is drained direct into the sea by electric shower pump  
 Electric shower pump is operated by manual switch positioned in Shower Compartment

**MACHINERY MAIN COMPONENTS**

Yanmar 3YM20C+SD 20 (sail drive)  
 Two blade folding propeller  
 Alternator 80A/12V  
 Engine control panel incorporates an rpm meter, acoustic alarms and an hour counter as a standard  
 Engine control panel is placed in a recess and protected with acrylic cover  
 Gear/gas lever control is placed in Cockpit nearby helmsman

**SYSTEMS FOR MACHINERY MAIN COMPONENTS**

1 Fuel oil tank for a total capacity of app. 90 l  
 Tank inspection hole/cover  
 Tank level gauge (placed on electric switchboard)  
 Fuel oil deck inlet on transom stern, stbd side  
 Fuel oil Filter with water Separator  
 Automatic Fire Extinguisher in Engine compartment  
 Seawater filter

**SHIP SYSTEMS****Bilge systems**

Electric membrane bilge pump for central bilge, operated by automatic and/or manual switch  
 Electric bilge pump for aft bilge, operated by automatic and/or manual switch  
 Hand operated bilge pump is positioned in the Cockpit

**ELECTRICAL SYSTEMS****12 V DC SYSTEM**

Main Switchboard includes LED indicators and thermomagnetic switches  
 12 V sockets  
 1 x 12V 100 Ah engine start Battery  
 1 x 12V 100 Ah service Battery  
 Battery Switch for each battery  
 Safety battery protector Anode  
 Emergency start crossover system

Owners manual and CE certificates, A-ocean by GL