

## CONSTRUCTION

## Hull &amp; 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.

Hand laminated/bonded hull longitudinal

Stress areas (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

8 stainless steel stanchions & Lifelines

Carbon composite sliding Companionway hatch, with garage for optional Sprayhood

## Cockpit

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

Two stowage lockers (cover is integrated in cockpit bench)

Storage locker in mid aft cockpit

Outboard drained compartment for two gas bottles

Rudder stock head (for installing the emergency tiller)

Single lever engine control

Recessed engine controls panel

Removable stainless steel Bathing Ladder

Fire Extinguisher

## Mast

Performance silver anodized aluminum keel stepped 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

Vang with an outer purchase block system

## Standing rigging

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

## 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 main sheet traveler car control
- 2 x genoa sheet
- 2 x genoa sheet car control
- 1 x genoa furling line
- 1 x vang
- 2 x reefing line
- 1 x outhaul

## Track system

Main sheet track (1 x 1,8 m) 6:1 mainsheet car system with ball bearings

Genoa sheet tracks (2 x 3m), 5:1 genoa car system with ball bearings

## Blocks

## German Mainsheet system

- 5 x Single Becket 57 mm ESP

## Halyards

- 6 x Single Becket 57 mm ESP

## Vang

- 2 x Single Becket 57 mm ESP

## Deck organizers

- 4 x ESP/3-sheave

## Stoppers (Clutches)

- 2 x 12x4 - for halyards, reef lines, vang and furling headstay line - placed on cabin roof

## Winches

2 halyard 2-speed winches, size 40

2 primaries/genoa 2-speed winches, size 46

2 german mainsheet system 2-speed size 40

3 winch handles with PVC handle holders

## SHIP EQUIPMENT

## Steering system

2 steering wheels black GFC 32"

Emergency tiller in stainless steel

## Keel

Standard keel (2,00 m draft), cast iron, coated with epoxy paint

## Navigation/Communication Equipment

## Magnetic compass

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

## Anchoring &amp; 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 high quality marine core, mahogany veneered

Fiddles, moldings and frames in solid wood

Laminated floorboards

All main Bulkheads are marine okume plywood bonded to Hull and Deck innerliner and laminated to hull sides

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 sprung 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

Access to stowage compartments under Berth

Shelves above bed along Hull port & stbd side

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

Seat forming shoe locker

1 large opening deck hatch with blind

2 small opening deck hatches

2 reading lights

**AFT CABIN (PORT)**

Double Berth  
 Mattress in 2 parts  
 Shelve above bed along Hull on port side  
 Large hanging Locker with double door and Shelve above  
 Access to the engine  
 Fresh Water tank under Berth  
 1 opening porthole on coaming with blind  
 1 opening porthole on cockpit with blind  
 1 hull window  
 1 reading light

**AFT HEAD UNIT**

Moulded 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 (only 2 cabin layout)  
 40 L waste holding tank  
 Access to the engine  
 Toilet accessories  
 Stainless steel handhold  
 1 opening porthole on coaming with blind

**SALOON**

Large sofas on each Hull side  
 Foldable and removable saloon Table with bottles storage inside  
 Backrests and seats in foam with pilot berths  
 Stowage lockers with doors and a bookshelf above each sofa  
 Stowage compartments under seats

Large chart table desk, space for charts and instruments on stbd side  
 Stowage under chart table with drawer and 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  
 Removable worktop above stove  
 Double 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  
 Storage space with 3 drawers  
 Bottles storage  
 Waste Bin  
 Plexiglass protection between galley and sofa  
 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 side (provided in aft Cabin/aft Head unit)  
 Provided with Automatic Fire Extinguisher

**Sanitary systems; discharge systems**

Hot&cold pressurized fresh water system  
 Ventilated Fresh water tank for a total capacity of app. 180 l with inspection hole/cover  
 Tank level gauge (placed on electric switchboard)  
 Fresh water deck inlet on transom stern, port side  
 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 YM30CE SD20 ( sail drive)  
 Two blade folding propeller  
 Alternator 80A/12V  
 Cooling sea water filter  
 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 a plexi glass 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. 100 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

**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 termomagnetic switches  
 12 V sockets  
 1 x 12V 100 Ah engine start Battery  
 1 x 12V 170 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