**STANDARD SPECIFICATION A11**

1 CONSTRUCTION

 Hull, deck and all structural bulkheads in epoxy-carbon and epoxy-glass prepreg with foam cores cured at 85 degrees

C

 Internal structure and gussets in solid epoxy-carbon and epoxy-glass prepreg cured at 85 degrees C and bonded to

both hull and deck with special high-performance epoxy glues

 2 forepeak bulkheads and the aft bulkhead are watertight. The space in front of the forward bulkhead below the anchor

well is filled with closed-cell PU foam.

 Mast support/lifting keel box in solid epoxy-carbon prepreg laminate bonded and attached to the main bulkhead, hull

and deck

 A hydro dynamically optimized low drag high lift lead bulb and cast iron fin keel is provided. A high-surface upper flange

allows distribution of grounding forces to the structure of the boat.

 Standard fixed keel draft is 3.0m.

 2 Spade rudders are a high ratio airfoil section in carbon / epoxy laminate over massive carbon stock., built in highpressure,

high temperature autoclave (Isotop)

 2 hull portlights, fixed, in front cabin area, glued and mechanically bonded, in polyacrilate

 Hull and deck are sanded, primed with epoxy primer and sprayed with Awlgrip PU paint for best UV protection and

gloss retention. Standard colour is white.

 Hull cove and decorative stripes are painted with PU paint

2 DECK FITTINGS

Deck gear: Harken, Spinlock stoppers, Lewmar hatches,

 Carbon retractable bowsprit with a Spectra bobstay operated from the front deck

 A 1500 W electric anchor windlass recessed in anchor well, vertical drum, chain and rope gypsy

 Hydraulically operated swinging anchor arm in carbon on STB of the forestay. Permits operation with a 35 kg Delta

anchor

 Through-deck furling line block

 Under deck jib furling drum

 Mooring cleats in aluminium , folding , 300 mm, 2 in front, 2 aft, NOMEN type

 A low-profile hatch 80x80 cms over sail locker

 A low profile hatch 80x80 cms over sail front bathroom

 2 low-profile hatches 60x60 cms over front cabin

 Jib and staysail tracks, with control line-operated and sheet lead under the deck roof cover

 Roller bearing genoa car tracks, 1 per side

 Main chainplates, in carbon composite and stainless steel

 Coachroof side and front windows in toughened safety glass, glued (bonded) to carbon laminate of the deck

 2 fixed windows on the horizontal part of the coachroof to allow visual control of the sails from inside in toughened

safety glass, glued (bonded) to carbon laminate of the deck

 Recessed storage space for spraydodger with a canvas cover

 Sliding companionway hatch in composite sandwich with water drainage

 2 cockpit lockers

 6 stoppers each side for lines coming aft

 4 selftailing winches, electric powered, aluminium black anodized, 2 speed, for mast lines and sheets

 Cockpit table with leg support, 2 folding flaps and grabrail above. Drink holders. Integrated electric refrigerator. Space

for chart plotter and engine panel on the aft face of the table.

 2 Steering console pedestals with st.steel tube protection grabrail and carbon steering wheels. Space for

instrumentation on the consoles. 1 steering compass on each of the consoles.

 2 cockpit lockers aft of the 2 steering wheels for liferafts and giving access to the general stowage aft.

 Access to emergency steering on both sides.

7

 Stern cockpit seat in epoxy-carbon sandwich laminate swings out serves as a gangway

 Fold-out stern platform (operated hydraulically) with stops in both positions

 Folding bathing ladder in 25 mm st.steel tube with stowage in the aft lockers

 Stowage for a RiB dinghy below the cockpit floor with provision for fast launch and retrieval

 Teak cover on platform, cockpit floor and seating areas.

3 MAST AND RIGGING

 Hall Spars 9/10 2 spreader Carbon mast , deck stepped

 Spreaders are swept back at 20 degrees

 Hydraulically mast steped with mast jack and pump

 Carbon boom for loosefoot mainsail.

 Rigid vang hydraulically operated , Navtec

 Running rigging-Dyneema, Gottifredi & Mafioli.

 Standing rigging- Navtec Rod-Discontinuous with Navtec rigging screws

 Backstay Hydraulic Navtec

 Jib furling gear Facnor, black anodised profiles

SAILS

No sails are delivered with the boat as standard

 Mainsheet with blocks

 Vang with blocks

 Outhaul on mainboom

 3 reefs

 Jib sheets

5 ACCOMMODATION

 All joinery in first – choice Teak veneered marine plywood, partially PVC foam or honeycomb sandwich panelled

plywood.

 Massive wood is Burma Teak.

 Joinery and panels are varnished with satin-gloss PU varnish (4 layers). All joinery is non structural.

 All doors have laminated or massive frames and locks for the open position.

 Larger locker doors are provided with louvers for ventilation.

 All portholes, hatches and windows are provided with curtains or shades except saloon windows.

 Structural main bulkheads are built in epoxy laminate sandwich and varnished by light-cream coloured PU paint to

match the Teak joinery and to lighten the interior of the boat.

COMPANIONWAY

 Staircase in Teak wood features elevated sides to provide better foot grip during sailing.

 2 vertical grabrails on each side (teak )

 Lower 3 steps are attached to the engine room cover, once lifted (gas struts) it allows full access to the engine

compartment.

 Small items locker and a 12V socket for a searchlight

SALOON

DAY TOILET COMPARTMENT TO PORT

 Door from entry area in front of the companionway with lock

 Fixed window to coachroof side

 Marine head with a hand pump

8

 Washbasin with pressurized water (hot and cold).

 Shower faucet

 Mirror and toilet compartment set.

 2 lockers above the head and washbasin

 A locker below the washbasin with seacocks.

 Neon light.

 The toilet compartment is a GRP moulded piece including the floor basin with an outlet for the shower water and an

electric pump.

 Floor grid in non – skid covered GRP moulding for easy cleaning and hygienic maintenance.

 An electric exhaust ventilator in the lateral aft part of the locker takes air out of the compartment to the aft platform area

 Black water tank (with overboard and deck discharge)

DINETTE TO PORT FORWARD

 Comfortable sitting arrangement for 8 with panoramic vision at seating level

 10-15 cm double density foam mattresses and backrests, high quality removable fabric

 Grabrail integrated in the aft midline part of the settee accessible from the companionway

 Storage space under the settee

 Stereo speakers behind the aft and fwd part of the settee to Port

 Reading spotlights in the aft and fwd part of the settee to Port

 Shelves and bird-nest lockers behind backrest.

 Large table of a very strong construction, fitted on two stainless-steel or aluminium columns, fixed to the bottom girder

structure.

 1 bigger seat on the starboard side of the saloon table with a backrest and storage space underneath.

 Lockers with doors and separation shelves under the aft part of the settee.

 Shelves behind backrests of dinette.

 Side windows to cabin roof.

 Courtesy lights under companionway stairs and along the floorline in saloon, lit step down to front cabin

 2 opening hatches with blinds in the roof above the saloon

*SALOON STB SIDE: NAVIGATION*

 A large oilskin locker to Stb aft, drained to the bilge and well airated to saloon and to the ceiling (to the ventilated space

under the cabin roof top – with watertight cap)

 Navigator’s chair in artificial leather allowing good visibility forward – chart table can serve as inner steering position

with an optional joystick.

 Chart table with chart storage under. Table can be locked in lifted position.

 Chart reading light (a neon light) is recessed in the bottom of the navigation panel.

 A 230 V pickup for domestic appliances is built in the separation bulkhead between the navigation and pantry (pantry

side).

 In front of the table there is a suspended instrument holding element allowing good visibility of information (chart reader,

radar , other,…)

 The space under the navigator forms a large technical zone with pumps, valves, the compressor of the refrigeration

units with aeration slots etc.

 In the front upper part of the chart table there is a large instrumentation panel with electrical distribution panel, and

other instrumentation. Panel is easily removable for access to switches, mounting of additional instrumentation etc.

 To midline of the chart table a shelf leading forward to the pantry area with a grab handle in the aft part (accessible from

the companionway)

 A bar locker under the shelf

 Stereo radio with a CD player (mini HiFi system)

9

*PANTRY TO STB FORWARD*

 From saloon there is a shelf to the pantry area used for serving food and other items to the dinette table

 Pantry is one step down from central area going forward enabling more head space and easier manoeuvring around

the pantry.

 Work space is made in Corian/Kerrock or similar.

 Double sink is recessed in the work space without a separation rim to provide easy maintenance and cleaning of the

pantry surface. Located on the side of the front bulkhead.

 A pressure fresh water system (cold and hot water) with a tap is installed.

 Under the sole in the pantry there is a moulded-in removable dust-pan, for easy cleaning of saloon floor.

 A sea water tap with a foot pump and a Y valve seacock is provided to allow:

- either the seawater inlet,

- or a fresh water intake from the fresh water tank through the foot pump in case of pressure system or low

voltage problem.

 Seacocks in stainless steel located under the sink for the pantry sink outlet.

 Numerous lockers are placed over the sink area.

 3-flame gimballed gas burner and stove with automatic gas shut-off switches. Gas turn – off valve behind the stove. A

lock in horizontal position is provided. Located to the aft of the sink laterally

 Flame protection around the stove is mounted.

 There is an electric exhaust fan over the stove leading to the aft cockpit area below the gangway.

 The floorboards in the pantry are covered with Teak (easy to clean and resistant to mechanical chemical and thermal

agents).

 Under the stove there is a locker.

 Stowage shelf behind the stove.

 Top-loading refrigerator (located to the aft of the pantry) has two compartments, both accessible from the top (deep

freeze and normal refrigeration temperature) taking volume also from the front part on the chart table.

 Additional front-opening fridge opening to the galley.

 There are numerous lockers and drawers above the refrigeration units opening to the galley.

 The bar area between the galley and the saloon permits easy passing of food and crockery to the saloon table.

OWNER’S CABIN FORWARD

 A full-size double berth to Port with a lee-cloth system. The berth is also accessible from the front (and laterally).

 Shelf and lockers above the berth.

 Mattress 15cm foam, fabric covered /removable/.

 A cabinet on the main bulkhead over the berth

 Stowage under the berth.

 A hanging locker fwd of the berth, mid-height, with a shelf on top

 A large hanging locker to Stb against the main bulkhead, shelf on top

 Working desk with book shelves on Stb

 2 comfortable seats to front and aft of the table

 Lockers overhead to Stb

 2 opening hatches with roller blinds on the cabin ceiling.

 2 portlights with shades on the cabin sides

 Grabrail in the ceiling over the central line

FRONT TOILET COMPARTMENT

 Separate enclosed shower with sliding polyacrilate door and a seat to Port

 Shower water is pumped out on the yacht’s side by an electric pump: the watertight switch is in the shower area.

 Marine head with hand pump and a holding tank to Port behind the shower cabin

 Cabinets behind, above and fwd of the marine head

10

 Floor grid in non – skid covered GRP moulding for easy cleaning and hygienic maintenance.

 A washbasin with pressurised water (hot and cold) to Stb with a worktop in Corian or similar

 Lockers below the washbasin with seacocks.

 Cabinets behind, above and fwd of the wash basins

 A large opening hatch with a roller blind on the cabin ceiling – positioned to increase the standing headroom

 Central front area on the bulkhead with a watertight door to the sail locker / skippers cabin

SAIL LOCKER / Skipper’s Cabin

 The front section of the yacht forms a sail locker and is separated from the rest of the yacht by a strong collision

bulkhead

 Watertight door from the bow washroom, lockable from both sides

 An automatic bilge pump is installed in the bottom of the locker aft

 An electric dome light , watertight, is installed on the bulkhead from the washroom above in the midline

 Hooks and shelves for storage of sailing gear are provided

 A large opening hatch on the locker ceiling – positioned to increase the standing headroom

 2 pipe cots , folding to the side of the boat, with closed-foam mattresses and water resistant vinyl covers

AFT CABIN (SYMMETRIC, PORT AND STARBOARD)

 Access from the saloon, one step down to the aft cabin area

 Door lock in open position, opening into the cabin

 A full size hanging locker to the boat side

 A full-size double berth (155 x 210 cm).

 A wrap- around shelf above the berth.

 Mattresses 10-15 cm foam, fabric covered (removable).

 Stowage under.

 Hull side liners in foam-support fabric , Velcro fastened.

 A hanging locker with a shelf above.

 A dome light and 2 reading spot lights.

 A hinged access panel to the engine or generator (optional) compartment for servicing purposes.

 An opening hatch with a roller blind on the cabin ceiling.

 An opening portlight to the cockpit side with a shade

 Shelves for small items on the sides.

 Access to the technical area in the midline

6 ENGINE

 Volvo D2-75 Diesel engine, turbocharged with intercooler.

 Saildrive mount.

 Engine is mounted on resilient mounts with special hard rubber to prevent excessive vibration.

 Water intake seacock is built in the saildrive leg

 Alternator 24V.

 Engine compartment sound- proof isolated.

 Access to engine from all 3 sides

 A fuel filter with water separator is built in the fuel supply system.

 The exhaust tube is taken straight to the stern through a stainless steel exit with a shut off valve.

 A single lever engine control, removable, is mounted on the starboard side of the steering position.

 The starting key (main switch) is mounted on the engine panel in the cockpit table including rpm meter, water

temperature gage and oil pressure.

 2 x 450 l rigid fuel tanks are mounted under the saloon floor

 Gauge meter at the chart table

 Fuel intake on deck to Stb

11

 Fuel vent leading to the coach roof caps port and Stb.

7 PLUMBING

 All through-hull fittings are with half-turn lever seacocks and in stainless steel.

 Rigid fresh water tanks (2 pieces) with a 500 l total capacity under the saloon floor

 Electronic gauge meters with indicator above chart table.

 Pressurized fresh water system on all taps (in both toilets, aft and in the pantry). Fresh water pressure pump and valves

are placed under the saloon floor.

 Tanks can be disconnected by valves.

 All tanks have inspection covers and overboard vents to hull side.

 Pantry sink discharge is directly under the sinks.

 A hand operated bilge pump (high capacity) at the helmsman’s position on Port, taking water from the main bilge

 There are five bilges in the yacht, each having a separate automatic bilge pump :

o Main bilge in the keel stud,

o Owner cabin,

o Steering compartment,

o Shower water bilges (2X),

o Sail locker.

8 ELECTRICAL

 810Ah of batteries are installed.

 Alternator 24V/75A on engine for charging the service batteries

 An automatic 24V/100A service battery charger is mounted.

 An automatic 12V/25A charger for engine and generator (optional) start battery is mounted.

 A 1,5 kW Inverter is installed for domestic appliances, 230V sockets etc…

 A galvanic isolator is installed for protecting the boat from galvanic corrosion issues.

 Lightning protection system is provided.

 AC and DC distribution switchboards are placed under the chart table area and controlled by a pushbutton panel

located on starboard side of the chart table area.

 Stereo speakers in the saloon.

 Cockpit illumination with red courtesy lights

 Halogen navigation lights (port, starboard, stern, engine, anchor, windex)

 Lights inside:

o halogen spotlights throughout the boat, recessed

o dome lights throughout the boat, recessed

o reading lights in all cabins

o IP 65 dome lights in shower areas

o courtesy lights where needed

***9 GAS***

 Propane GRP locker holding two 3 kgs gas bottles in the locker under the gangway, vented to the stern platform recess

 A gas tank is fitted with the reduction valve.

 Special rubber hose connects the reduction valve to copper tubing leading to pantry.

 Behind the stove there is a shut-off valve and rubber hose to the gas cooker-stove burners.

 The burners have automatic shut-off switches.

10 SAFETY

 Emergency tiller in st. steel.

 4 fire extinguishers (2kg) are mounted

Under the chart table.

12

In the pantry area

In the sail locker

Port cockpit locker

 Automatic fire protection system in the engine room.

 6 personal safety jackets.

***11 MISCELLANEOUS***

 A full-size owner’s manual is provided, covering:

- Full technical description of the yacht with technical data and explanatory comments on the function of all

items.

- Complete description of the proper use of the yacht and its equipment and gear.

- Hints on sailing, motoring and manoeuvring of the yacht.

- Optional or additional equipment: hints on installation etc.

- Maintenance of the yacht.

- Servicing of the yacht.

- Safety features.