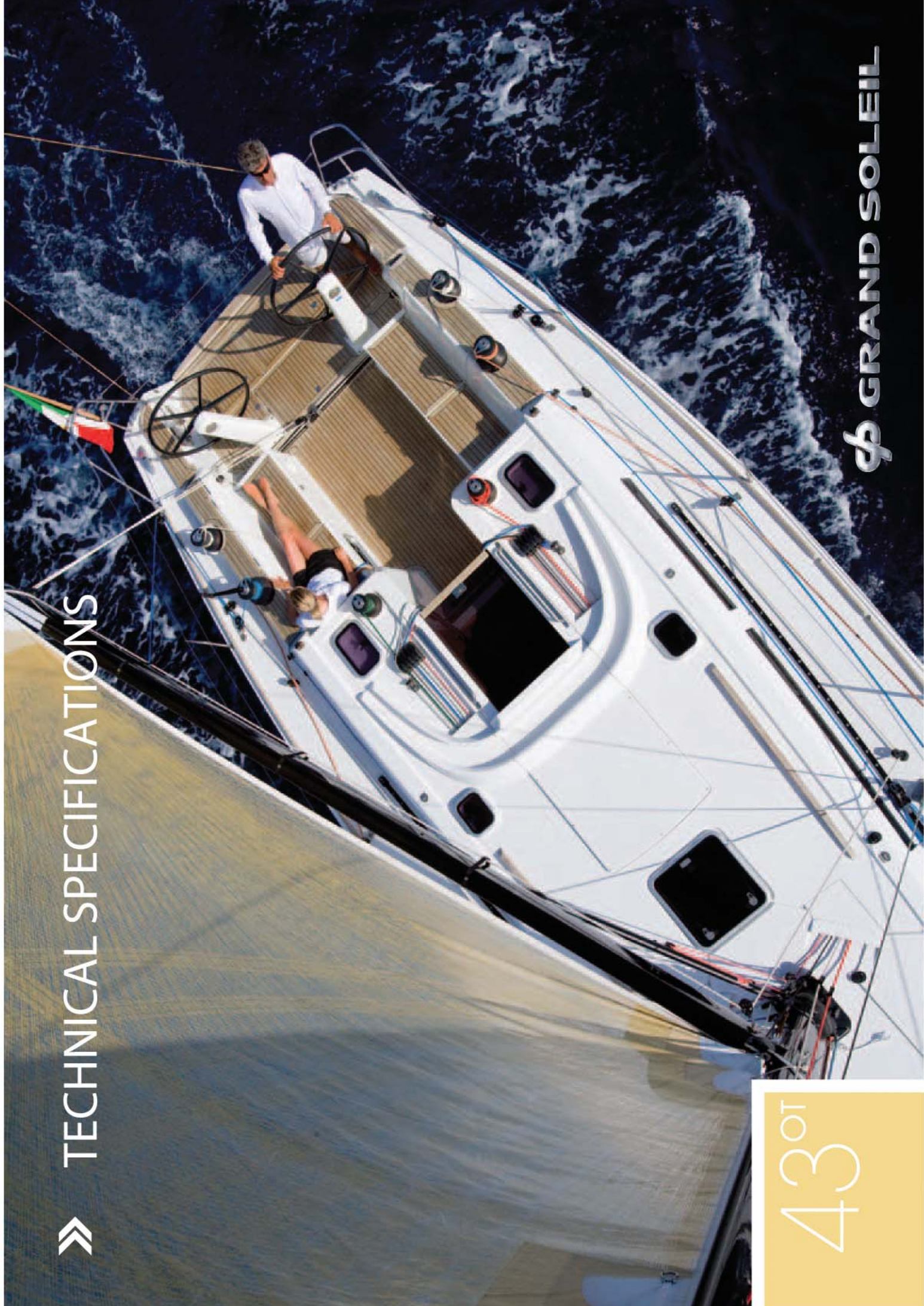


» TECHNICAL SPECIFICATIONS

43^{0T}

φ GRAND SOLEIL



» SAIL AREA



J	4,98 m
P	15,9 m
E	5,6 m
Main sail	53 m ²
Handy 105%	43 m ²
Sail Area	96 m ²

» SPECIFICATIONS

Length overall	13,25 m
Waterline Length	11,40 m
Beam max	3,95 m
Draft	2,30/2,50 m
Displacement	8.900 kg
Ballast	2.850 kg
Berths	6/8
Fuel tank	230 lt
Water tank	400 lt
Engine	Volvo 55Hp

Designer	Botin & Carkeek
Interior designer	Patrick Roseo
Builder	Cantiere del Pardo
Certification	CE IMCI Classe A

» CONSTRUCTION

1.1 HULL

- Hull and deck built in vinylester sandwich construction with glass biaxial and unidirectional fabrics
- Core (AIREX) of different densities according to stress area is vacuum bonded.
- Further reinforcements are positioned in high stress areas.
- Use of solid laminate around keel, rudder and through hull fittings for maximum strength.
- Hull and deck are bonded together using a structural acrylic glue derived from the aircraft industry.

1.2 DECK

- The internal grid, made of hot galvanised metal, is bonded to the hull using a structural acrylic glue derived from the aircraft industry. The grid absorbs the load from keel, mast and shroud.
- The deck area near the mast is reinforced and the core of the sandwich is made of marine plywood.
- Transom laminate with UD to maximise rigidity.
- The Bulwark is equipped with brass reinforcements for stanchions, pulpits and deck equipment.



1.3 KEEL

- The keel guarantees high performance and stability.
Draft lead keel 2.30 mt.
- The keel and fin are just one piece with a fusion of lead and antimony.
- The internal grid of the keel is made of steel and extends all along the blade until the torpedo-shaped keel to guarantee maximum strength.
- Epoxy products are applied on the surface of the bulb keel.

1.5 CHAIN PLATES

- The central chain plates are joined to the boat's shockcord tie.
- The aft chain plates are internally laminated to the hull and recessed.

1.4 RUDDER

- The rudder is balanced and made of high-density expanded material.
- The rudder axis is in stainless steel 17-4 PH.
- The steering wheel, the quadrant and the pulleys are Solimar.
- The two wheels of the Solimar steering wheel are in leather-covered steel with 900 mm diameter.
- Emergency tiller

» MAST SHROUDS AND SAILS

1.6 MASTING

- Sparcraft aluminium mast, tapered at the head with triple spreader rig.
- Mast.
- Sparcraft aluminium boom.
- Rigid boom vang
- Stainless steel rope rigging.
- Facnor underdeck manual recessed furling unit.
- Spectra halyards.
- Harken blocks, tracks and hardware
- Harken spitted backstay chain plate with mechanical adjuster.
- Dacron North Sails.



» INTERIOR

The standard interior joinery is stained mahogany which has been treated with polyurethane and then buffed to shine. The interior boasts an excellent calibre of finishing throughout. The owner can also choose light Oak or teak wooden essence. The flooring is 15 mm thick and reflects the essence chosen by the owner. The solid colour fabrics and materials used have been chosen with a special care.

2.1 OWNER CABIN

- Double bed with storage underneath.
- Shelf at bedside.
- Double-door cabinet with hangers and shelves.
- 2 reading spots

2.2 OWNER HEAD

- Marine toilet.
- Under-pressure hot and cold fresh water wash basin.
- Shower with sliding rail.
- Mirror.
- Bathroom cabinet.
- Electric pump to drain the shower bilge manually.
- 12V plug.



2.3 MAIN SALOON

- Wide, light and airy saloon
- "C" shaped dining area with large table.
- Large pouf seat in the middle with stowage space.
- Stowage rack and numerous side lockers
- 2 Lewmar hatches.



2.4 NAVIGATION STATION

- Large lifting top chart table with storage space for nautical charts and cabinet.
- Large electronic instruments panel.
- 12V plug.
- Navigation seat with space for stowage.
- Main electric control panel for 220V and 12V sections.





2.5 GALLEY

- Left bulwark galley.
- Double stainless steel sink. Wooden clad board.
- Under-pressure hot and cold fresh water.
- Hinged door with rubbish bin.
- 2 burners gas stove with oven.
- Top access fridge compartment with baskets.
- Compartment for freezer (optional).
- Drawers for food storage.
- Numerous lockers above the working plan.
- 12V plug.
- 220V plug.

2.7 PORT AND STARBOARD AFT CABINS

- Double bed with storage underneath.
- Cabinet with hangers, shelves, shoe compartment and seat.
- Shelf at bedside.
- Ventilation and light is provided by 1 large opening port hole.
- 2 wide accesses to the engine and technical compartment for inspection.
- 2 reading spots
- Ceiling lights.

2.6 AFT HEAD

- Marine toilet.
- Under-pressure hot and cold fresh water wash basin with removable shower head.
- Mirror.
- Bathroom cabinet.
- Electric pump to drain the shower bilge manually.

» DECK EQUIPMENT

3.1 MOORING CLEATS

- 4 mooring cleats with stainless steel protection on hull side

3.2 HATCHES AND PORTHOLE

- 2 Lewmar hatches in bow cabin.
- 1 Lewmar hatch in bow bath.
- 1 Lewmar hatch in saloon.
- 2 Lewmar portholes for aft cabins.
- 2 Solimar flush portholes mounted on the side hull windows.
- 2 fixed hull windows.

3.3 LOCKERS

- Self draining anchor locker.
- 2 lockers under the cockpit seats
- Lockers in aft zone for stowage of sails, life rafts and 2 gas bottles.



3.4 WINCHES

- 2 x 40.2 STC winches for main, genoa halyards, reefing lines and clew out hole
- 2 x 48.2 Radial Harken winches for genoa sheets.
- 2 Harken handles with retainer.

3.5 ANCHOR WINDLASS AND STEMHEAD

- Quick 1000 W Anchor windlass winch.
- Electrowelded stainless steel anchor stemhead.
- Steel rope for anchor with Teflon bushes.

3.6 PULPITS AND STANCHIONS

- 25mm diameter stainless steel stanchions for 2mm chart.
- 5 mm stainless steel cable guardrails with turnbuckles
- Open bow pulpit with built-in navigation LED support.
- Split stern pulpit with built-in navigation LED support

3.7 DECK FINISHES

- Manually openable platform clad in white non-skid.
- Gangways and coachroof clad white non-skid.
- Supply and assembly of 2 teak coachroof handrails.
- Supply and assembly of 2 stainless steel hand rails at the sides of slide.
- Recessed spray hood garage.
- Spinlock clutches for all standard halyards and reefing lines.
- All halyards and reefing lines are leaded back to the cockpit under the deck.
- Self draining cockpit.
- Hot and cold shower on aft deck.
- Engine control lever on starboard side.
- Accommodation for electronics on aft side of each cockpit seat.

» MOTORISATION

4.1 ENGINE

- Volvo D2 55 hp diesel with S-drive (Volvo 75 hp optional).
- Separate bilge for engine.
- Alternator for batteries.

4.2 EQUIPMENT ROOM

- Engine room insulation made of flameproof material chosen for both heat insulation and sound deadening
- Engine room with storage for generator.

4.3 FUEL TANK

- The tanks are in stainless steel.
- 230 lt fuel tank.
- Electronic level indicator to inspect floater from cockpit.
- Copper engine feed pipe.
- Easy-to-access fuel filter.





ELECTRICAL EQUIPMENT

- The main electrical system of the board is 12 V.

5.1 BATTERIES

- 3x100 Ah / 12V AGM batteries for service.
- 1x70 Ah / 12V AGM battery for engine starter.

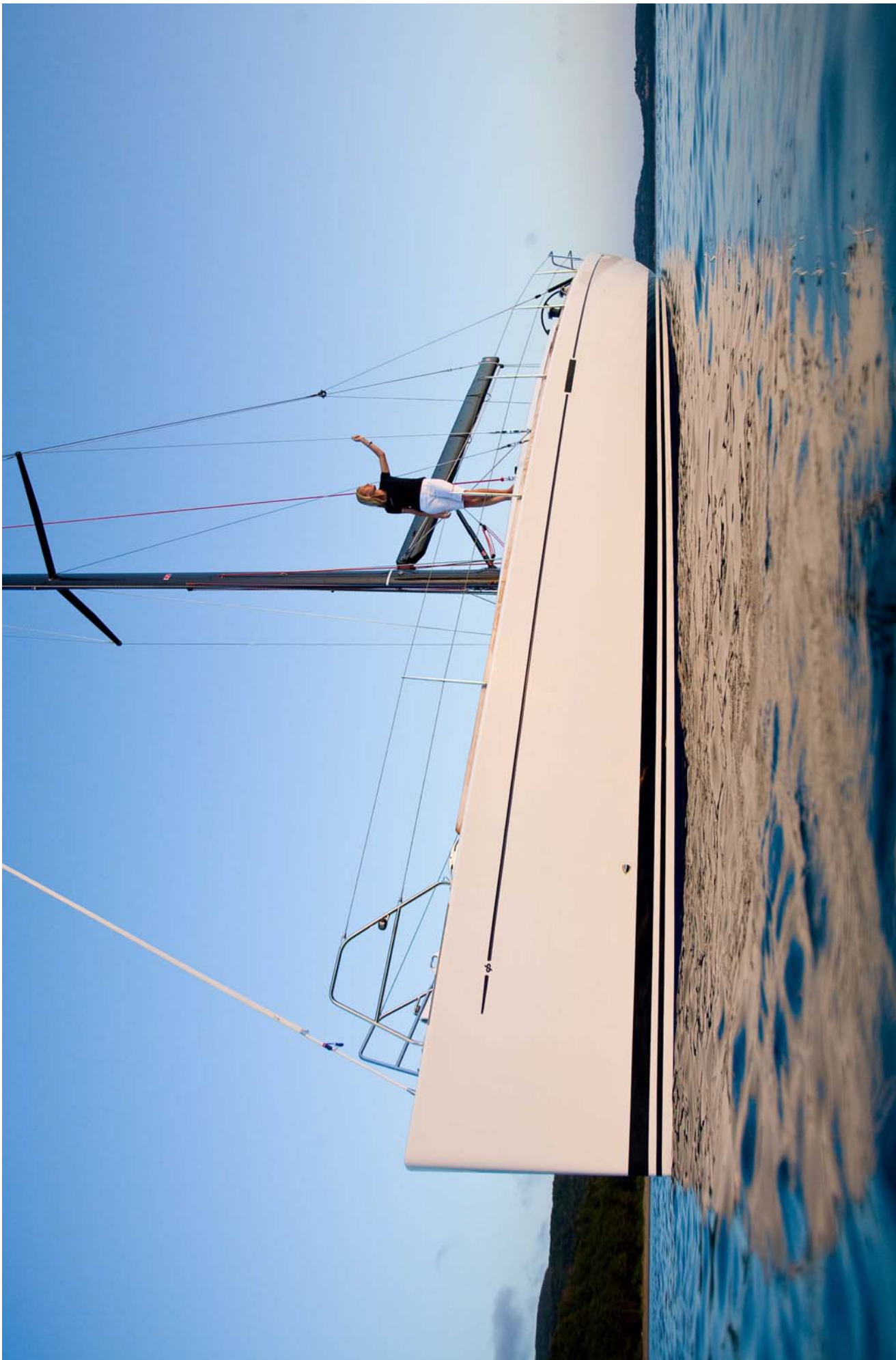
5.2 ELECTRIC CONTROL PANEL

- Electric control panel with cut-out switches, voltmeter, ampere meter showing service consumption, battery charging rate ampere meter
- 220V section with shore power and predisposition for automatic battery charger.
- All wiring and cables are passing in special internal channel tubes and relative deviation boxes for ease of exchange of wiring.
- 12V sockets in galley, owner head and navigation station

5.3 LIGHTING

- Halogen and incandescent lamps ensure adequate lighting for all the interior.
- Navigation, anchor, running, deck, compass and instruments lights.
- Starboard and port LED lights (green and red).
- White LED stern light.





» PLUMBING SYSTEM



6.1 FRESH WATER TANKS

- 2 rigid polyethylene water tanks with an approx capacity of 400 lt. complete with inspection covers and anti-surge baffles.
- The tanks are located below the beds in the aft cabins.

6.3 BOILER

- 15 lt boiler with shore 220V electric resistance.
- Operating through heat exchanger system with the engine (cooling circuit).

6.2 PUMPS

- Manually-driven electric pump to drain the head shower.
- Electric pump to drain aft bath and keel shower bilge
- Sensor-equipped electric pump to drain aft locker.
- Autoclave pump for hot and cold fresh water

6.4 PIPING AND SEACOCKS

- The seacocks are mounted flush on the hull to minimise friction.
 - Seacocks are easily accessible and have a bronze quick closing ball valve.
 - Piping of hot and cold drinking in odourless PVC.
 - All piping for drains and bilge pumps have special reinforced rubber.
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NOTE

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