

J/45

Standard technical specifications

HULL AND STRUCTURE

- Infusion molded sandwich construction using uni and multi-directional E-glass fabrics, low density balsa, PVC foam, and the "SCRIMP" patented resin infusion process to optimize fiber content (60%+).
- High-quality ISO NPG gelcoat combined with the use of vinylester resin, offering a 10-year warranty against osmosis.
- White gelcoat hull finish with integrated gelcoat boot stripe.
- Internal hull structure of infused transverse and longitudinal stringers which integrate plumbing and electrical runs for better weight control.
- Infused, molded main bulkhead.
- All intermediate bulkheads are laminated to the hull and deck for stiffness.
- Anchor locker/collision bulkhead forward.
- Five (5) year structural warranty.

DECK

- Infusion molded sandwich construction using multi-directional E-glass fabrics, low and high density PVC foam, and the SCRIMP process.
- Off-white gelcoat with optional choice of non-skid color (two-tone deck).
- All horizontal surfaces are either molded with non-skid with high traction power, or covered with teak slats.
- All around, bulwarks forming toerails to ensure safe movement.
- Integration of flush deck panels to streamline the return of the halyards, improve maneuverability on deck, and best integrate the sprayhood connection.
- Seahood with instrument pod.
- Large molded footrest in cockpit.
- Storage Lockers :
- Dedicated anchor locker.
- Sail storage locker.
- Dedicated locker for liferaft to port.
- Cockpit locker to starboard with access to a large storage area, also accessible from the aft head.
- Locker for storing two gas bottles.
- One aft locker in cockpit sole (aft of the wheels).
- The larger locker hatches are fitted with opening assistance cylinders.

COCKPIT

With very advanced ergonomics, the cockpit is distinguished in two zones:

Forward:

- Halyard winches on either side of the companionway, with dedicated storage locker for lines.
- Teak covered cockpit seats for comfort and elegance at anchor and at sea.

- Access to recessed exterior primary winches

Aft:

- Mainsail winches (2) located near the helm stations for easy single-handed sailing.
- Double helm station.
- Engine control associated with the starboard helm station
- Adjustable (in angle) helmsman floor platforms to allow the perfect driving position.

KEEL AND RUDDER

- Low Center-of-Gravity 2.30m (7.55') keel comprised of a cast iron fin and a lead bulb for optimum stability and performance. Optional shoal draft keel.
- The keel is faired to template, then bonded and bolted to the hull structure with oversized stainless bolts and counter plates.
- Balanced, composite rudder using uni and multi-directional glass on high resistance stainless steel stock turning on low friction, self-aligning rudder bearings.
- Dual wheel pedestals each equipped with a 100cm stainless wheel with leather grip – to provide optimum steering ergonomics for the helmsman.
- Fingertip steering control thanks to the high performance cable/quadrant steering system and optional direct drive auto-pilot.

MAST AND RIGGING

- Tapered aluminum mast, with two sets of swept back spreaders (no need for runners), mainsail luff track, and finished in white.
- Watertight, above-deck dam with pre-molded mast wedge system, adjustable mast base.
- White painted aluminum boom with outhaul on internal purchase, sheaves for reefs, anchor point for the mainsheet.
- Manual jib furling system with furling line led aft to cockpit.
- Discontinuous rod rigging (nitronic 50) to reduce windage and weight aloft.
- Hydraulic backstay cylinder.
- Fixed carbon bowsprit with integrated anchor roller.
- Boomvang with integral purchase.
- Running Rigging package with 1 Dyneema mainsail halyard, 1 Dyneema jib halyard, 1 spinnaker halyard, 2 spinnaker sheets, 2 jib sheets, 1 Dyneema spinnaker tackline, 1 Dyneema mainsail sheet, mainsail traveler, 2 reef lines.

DECK EQUIPMENT

- Two 50.2STA self-tailing primary winches.
- Two 50.2STA self-tailing mainsheet winches.
- Two 50.2STA self-tailing halyard winches.
- 4 Locking winch handles including 2 of the "Speed grip" type.
- 4 Winch handle holders.

- 2:1 Mainsheet system with front return integrated in the boom and return under the deck to the mainsheet winches.
- Mainsail traveler on the cockpit sole with 6:1 purchase on cleats (port and starboard).
- Two fixed jib tracks and two plunger-style jib car.
- Spinnaker blocks with dedicated padeyes.
- 7 Blocks at the mast for halyards and reefs.
- 2 Deck organizers, 7 sheaves.
- 4 Stoppers on each side of the companionway.
- 1 High load stopper on each side of the companionway.
- Spinnaker tackline stopper on the starboard side of the coachroof.
- Jib furling line stopper on the port side of the coachroof.
- 6 retractable mooring cleats (2 at the bow, 2 amidships and 2 astern).
- Integrated bow anchor roller, designed for a 25kg Delta type anchor.
- Electric windlass integrated under deck in dedicated housing.
- Stainless chainplates for shrouds and backstay.
- 1 Deck hatch (600 x 600 mm) for the forward cabin.
- 1 Deck hatch for the forward head.
- 1 Deck hatch for the forward cabin.
- 1 Deck hatch (500 x 500 mm) for the main cabin.
- Large fixed window (P&S) in main cabin.
- 2 Opening ports in the port aft cabin (1 on the side + 1 in the cockpit)
- 1 Opening port above the galley.
- 2 Opening portholes in the aft head.
- Stainless handrails on coachroof.
- Bow and stern rails with double lifelines of single-strand stainless wire, and 10 stanchions with port and starboard opening gates.
- 2 Stainless, leather-wrapped steering wheels, 1m in diameter.
- 2 Steering pedestals each equipped with a compass and stainless grabrails.
- Retractable plexiglass companionway sliders with lock and integrated ventilation grill.
- Flagstaff base.
- Emergency tiller.

INTERIOR DESIGN

- Interior design by Isabelle Racoupeau in collaboration with J/Composites.
- Satin varnished, handcrafted furniture panels and trim of natural wood in either solid, veneer, or glued laminate.
- White molded finish on main bulkhead with optional wood finish.
- Removable, wood-effect veneered floor panels for durable, good looks and low maintenance.
- Hull sidings and overheads finished in either line fabrics or grooved panels.
- Upholstery is made of high resilience foam.

FORWARD CABIN

- Large wardrobe, vanity unit with storage above and below.
- Large centerline double berth with storage below.
- Hanging locker storage.
- Shelves along the hull.
- Optional fixed hull ports with blackout curtains.
- Access doors to head and main cabin.

PRIVATE FORWARD HEAD

- White gelcoat finished for clean design and easy maintenance, including shower tray, WC support, sink cabinet with valve access door, toilet paper holder.
- Separate shower with pressurized hot and cold water. Marine toilet with holding tank.
- Shower drain pump.
- Vanity top in synthetic resin in contrasting color.
- Handrail for towel.
- Vanity cabinet with mirror along the hull.

AFT CABIN (PORT)

- Access door to main cabin.
- Large wardrobe.
- Low cabinet with storage.
- Changing seat.
- Shelf along the hull.
- 2 Opening ports for natural lighting and ventilation.
- Large double berth.
- Engine access hatch.

AFT HEAD

- Access door to main cabin.
- White gelcoat finish including shower tray, WC support, sink cabinet with valve access door, toilet paper holder
- Separate shower with pressurized hot and cold water.
- Marine toilet with holding tank.
- Shower drain pump.
- Vanity top in synthetic resin in contrasting color.
- Handrail for towel.
- Vanity cabinet with mirror along the hull.
- 2 Opening ports.
- Access door to aft cockpit locker.

NAVIGATION STATION (Starboard)

- Large, forward-facing chart table.
- Card storage desk with pen tray ?????
- Storage area under nav table.
- Bookshelf outboard.
- Large hinged instrument panel outboard with 18-function 12 V electrical panel - voltmeter-ammeter.
- Navigator seat with storage below.
- Water and fuel tank gauge.

MAIN CABIN

- Large port settee berth with wrap-around U seating.
- Fixed main cabin table with fold-up leaves.
- Large starboard settee berth.
- Shelves and cabinets outboard of each settee berth.
- Overhead stainless handrails.
- Double hull windows to port and starboard.

U-SHAPED GALLEY (Port)

- 3-Burner gas stove with safety bar.
- Double stainless sink recessed into synthetic countertop.
- Hot and cold pressure water.
- Large 180 liter molded cooler / fridge with partition and storage shelf.
- 4 Utensil drawers.
- Bottle drawer.

- Large storage under drawers ???
- Storage under sink with shelf.
- Waste bin cabinet with direct access from the countertop.
- Shelves and cabinets along the hull.
- Countertop fiddle rails with Plexi protection across the front of the galley.
- Opening port.

COMPANIONWAY

- White laminate finish for durability.
- Steps with angled treads between bulkheads.
- Handrails integrated into the bulkheads.
- Engine access by front panel.

OPTIONAL AFT CABIN (Starboard)

- Access door to main cabin.
- Large wardrobe.
- Low cabinet with storage.
- Seat for changing.
- Shelf along the hull.
- 2 Opening ports for natural lighting and ventilation.
- Choice of 2 single berth or 1 double berth.
- Engine access hatch.

DIMENSIONS

• Hull length	13,85 m
• Waterline length	12,56 m
• Max beam	4,25 m
• Standard draft	2,29 m
• Displacement	9900 kg
• Ballast	4150 kg

Specifications are subject to change without prior notice or obligations

ELECTRICAL AND SANITARY INSTALLATION

- Manual bilge pump in the cockpit.
- Electric bilge pump with automatic or manual level switch with dedicated control and indicator.
- 2 shower drain pumps with filter.
- Pressurized water system with expansion tank.
- 2 stainless water tanks (total: 350 liters).
- Ice box drain.
- Water heater capacity 24 liters.
- 2 Marine toilets.
- 2 x 115 AH gel type & 1 x 70 AH for the engine, with load distributor and battery switch.
- 12V electrical panel with fuel gauge, voltmeter and ammeter.
- 220V electrical panel with general circuit breaker.
- Adjustable overhead and cabin lights in all cabins.
- Overhead light in heads.
- LED ambiance and courtesy lighting in the main cabin, along the joinery.
- LED lights for navigation, anchor light, sun light.
- The rigging is grounded for lightning protection.
- Battery charger.
- 220V cockpit plug-in socket with 20m cable.
- 220V outlet in the nav station, galley, and each sleeping cabin.

ENGINE

- Volvo 60CV or 75CV Saildrive inboard diesel engine (see price list), exchanger cooling, 115 AH alternator.
- Engine control panel at starboard helm station, including rev counter, hour meter and oil pressure, battery and temperature indicators.
- Fuel tank 200 liters.
- Insulated engine compartment with ventilation ducting to the transom.