



J/45 USA Specifications

Hull & Deck

- Composite hull construction using biaxial and unidirectional E-glass, foam core, and ISO NPG gelcoat and vinylester resin on the outer hull layer to prevent osmotic gelcoat blisters.
- Composite deck construction using biaxial and unidirectional E-glass and foam core with high density foam core inserts and additional reinforcements in way of highly loaded hardware and components.
- "SCRIMP" resin infusion molding process for optimum laminate strength and light weight with 60+% glass content in structural skins.
- Structural engineering and construction to exceed ISO 12215 requirements for Category A Offshore.
- White gelcoat hull finish with double boot stripe.
- Off-white gelcoat deck finish. Optional two-tone deck (contrasting non-skid color).
- Hull-to-deck joint is bonded with a methacrylate structural adhesive.
- Transverse/longitudinal grids and mast step are infusion molded.
- Infusion molded, main bulkhead.
- All intermediate bulkheads are glassed to the hull and deck for stiffness.
- Integral, bulwark-style toe-rail around the perimeter of the deck.
- Large capacity self-draining foredeck anchor locker with windlass mount.
- Sail storage locker.
- Integration of flush cabin top panels to streamline the return of the halyards, improve maneuverability on deck and integrate the dodger attachment.
- Seahood with instrument pod.
- Port side cockpit locker dedicated to life raft storage.
- Cockpit locker to starboard with access to large storage area aft of the head.
- One centerline locker in cockpit sole (aft of wheel).
- Hinge-up, three-position steering platform and footrest behind each wheel for driving comfort while standing.
- One Gas/LPG bottle locker, vented and drained overboard.
- Molded transom platform with option for expanded flip down platform.
- Low VCG keel (7.5') comprised of a cast iron fin and lead bulb for optimum stability and performance. Keel is faired to template, then bonded and bolted to the hull structure with oversized stainless bolts and counterplates. Option for 6.6' shoal draft keel.
- Balanced, composite rudder constructed with biaxial and unidirectional glass and high resistance S/S stock, turning on self-aligning bearings.

Propulsion

- Volvo D2 75 HP Saildrive diesel engine, 115 AH alternator, with double diode and fresh water-cooling with heat exchanger.
- Volvo engine controls & fuel gauge recessed in cockpit, including rev. counter, hour meter and alarms for oil pressure, low voltage and water temperature.
- 50 gallon fuel tank.
- Sound insulated engine compartment, with air blower and ventilation ducts to the transom.
- Two-blade, low drag folding prop.

Spars & Rigging

- Tapered, fractional carbon fiber mast with two sets of aft swept spreaders, tack reef hardware, boom and boom vang gooseneck fittings, masthead crane with backstay termination, internal side shroud terminations, headstay attachment



J/45 USA Specifications

hardware, halyard sheaves and a watertight dam installed inside the mast tube with a drain hole located just above deck level. Pre-molded mast wedge system, and adjustable mast step.

- Aluminum boom, with 12:1 outhaul purchase system, two reef line sheaves, internal mainsheet anchoring point and forward articulated blocks to deck.
- Mast and boom finished in white.
- Fixed carbon fiber bowsprit with integrated anchor roller.
- Rigid boomvang with 24:1 integral purchase system.
- Jib furling system with furling line lead aft to cockpit.
- Discontinuous rod rigging (Nitronic 50).
- Hydraulic backstay.
- Running Rigging Package: Dyneema mainsail and jib halyard, spinnaker halyard, two spinnaker sheets, two jib sheets, one main sheet, one tack line, mainsail traveler lines, and two reef lines.

Deck Hardware

- Two 60.2 STA self-tailing primary winches.
- Two 50.2 STA mainsheet winches.
- Two 50.2 STA halyard winches.
- Four lock-in winch handles, including two “Speed Grip” type.
- Four winch handle holders.
- Belowdecks 2:1 “Euro” mainsheet system starting at the traveler, led forward through the boom, down to sidedecks, then aft under the deck to the mainsheet winches.
- Adjustable mainsheet traveler with 6:1 purchase with ratchets and cam cleats attached to car.
- Jib tracks (P&S) with plunger-style jib cars. Option for self-tacking jib system mounted on cabin top.
- Two footblocks for jib sheets.
- Two spinnaker sheet blocks with dedicated padeyes.
- Mast base turning blocks and sheave deck organizers to lead halyards and reef lines aft.
- Halyard and reef line clutches mounted on each side of companionway.
- Spinnaker tack line led aft to clutch on starboard side of cabin top.
- Roller furling control line led aft to clutch on port side of cabin top.
- Six (6) retractable mooring cleats (2 at the bow, 2 amidships, and 2 astern).
- Integrated bow anchor roller, designed for 25kg Delta-style anchor.
- Electric windlass integrated under deck in dedicated housing.
- Stainless chainplates for shrouds and backstay.
- One opening hatch (600 x 600 mm) for forward cabin.
- One opening hatch for forward head.
- One opening hatch for forward cabin.
- One opening hatch (500 x 500 mm) for main cabin.
- Integral screens/shades for overhead hatches.
- Large fixed cabin port (P & S) with curtains in main salon.
- Three opening ports for the port aft cabin (two in cabin top, and one in cockpit).
- One opening port above the galley.
- Three opening ports in the aft head (two in cabin top, and one in cockpit).
- Stainless handrails on cabin top.



J/45 USA Specifications

- Double rail stainless pulpit and stern rail.
- Double lifeline system with 6 stanchions per side and lifeline gates (P&S).
- Acrylic companionway washboard with lock, retractable into the companionway entrance.
- Flagstaff base.
- Emergency tiller.

Cockpit

- Advanced ergonomic cockpit designed for comfort and ease of sailing.
- Halyard winches on either side of companionway with dedicated storage locker for lines.
- Teak (or Flexiteek) covered cockpit seats for comfort and elegance.
- Long cockpit seats with articulated backrests and centerline footrest. Optional cockpit table.
- Recessed primary winches outboard of coaming to allow single-handed ease of operation.
- Twin wheel configuration with two composite wheels mounted to custom molded pedestals with integrated compasses and binnacle guards.
- Adjustable helmsman floor platforms behind each wheel for optimal steering comfort.
- ORC emergency transom ladder. Option for flip down swimming platform with swim ladder.

Interior Design

- Interior design by Isabelle Racoupeau.
- Satin-finished, handcrafted furniture panels and trim of natural walnut in either solid, veneer or laminate. Option for white oak.
- Main bulkhead molded and finished in white with satin-finished, wood door.
- Removable, wood effect veneered floor panels for durability and good looks.

FORWARD CABIN

- Large centerline owner's berth with storage below.
- Large hanging locker.
- Locker with doors, vanity counter and storage below.
- Shelf above berth (P&S) with option for cabinets.
- Access doors to main cabin and forward head.
- Optional fixed hull ports with blackout shades.

PRIVATE FORWARD HEAD

- Integrally molded for easy maintenance, with shower tray, sink with access below to seacocks.
- Sink is recessed in synthetic resin colored worktop, with handrail for towel.
- Separate shower with pressurized hot and cold water.
- Marine head with holding tank.
- Electric shower drain pump.
- Vanity cabinet with mirror along the hull side.
- Access door to forward cabin.

AFT CABIN (to port)

- Large double berth with changing seat.
- Locker with doors, storage below and above. Large hanging locker.
- Shelf along the hull side.
- Access door to engine.



J/45 USA Specifications

- Access door to main cabin.
- Three opening ports.
- Optional fixed hull port with blackout shade.

AFT HEAD (to starboard)

- Integrally molded for easy maintenance, with shower tray, sink with access below to seacocks.
- Sink is recessed in synthetic resin colored worktop, with rail for hand towel.
- Separate shower with pressurized hot and cold water.
- Electric shower drain pump.
- Vanity cabinet with mirror along the hull side.
- Access doors to main cabin and to cockpit storage locker.
- Three opening ports.

NAVIGATION STATION (to starboard)

- Large forward-facing chart table.
- Chart and navigation tool storage under table top lid.
- Locker under chart table.
- Top access bookshelf/bin locker outboard.
- Large hinge instruments panel outboard.
- Navigator's seat with storage below.

MAIN CABIN

- Large settee berth to port with wrap-around dinette seating.
- Main cabin table with internal storage compartment.
- Large settee berth to starboard.
- Storage shelves and cabinets outboard of settees.
- Large storage lockers behind backrests.
- Overhead stainless handrails.
- Double fixed hull ports on each side with integrated, sliding shades.

J-SHAPED GALLEY (to port)

- Gimballed LPG gas stove (3-burner) with oven and safety bar.
- Large, deep stainless sink unit recessed in synthetic resin worktop.
- Pressurized hot and cold water system.
- Large molded 12v icebox/cooler with partition, and storage shelf. Option for additional 12v refrigerator on aft face of galley island.
- Storage drawers and cabinet below counter.
- Storage under sink with shelf.
- Trash bin with direct access from countertop.
- Full length locker outboard of galley worktop with crockery storage system.

COMPANIONWAY

- White laminate finish for durability.
- Steps with angled treads between bulkheads.
- Handrails integrated into the bulkheads.
- Front engine access via piston assisted hinge-up lid.



J/45 USA Specifications

OPTIONAL AFT CABIN (to starboard)

- Choice of two single berths (staggered in height) or one double berth.
- Changing seat.
- Large wardrobe with hanging locker and storage shelves.
- Low cabinet with storage
- Shelf along the hull side.
- Three opening ports.
- Access door to engine.
- Access door to main cabin.
- Optional fixed hull port with blackout shade.

Plumbing & Electrical

- Electric windlass in anchor locker.
- Manual bilge pump in cockpit.
- Electric bilge pump with switch from automatic to manual with control and individual warning light.
- ORC belowdecks manual bilge pump.
- Shower drain pump with filter for each head.
- Pressurized water system.
- 12V DC refrigeration.
- 95 gallons total water capacity in 2 tanks secured below main cabin settee berths.
- Icebox drain.
- Hot water tank.
- Marine WC in each head.
- Two holding tanks, each with deck pump-out.
- Two 150 AH AGM type batteries for the House & one 70 AH battery for Engine, with switches. The batteries are charged by either the engine or the battery charger.
- 12V Electrical panel, with fuel gauge, voltmeter and amp meter.
- 12V DC/USB outlet in Nav Station.
- 110V shorepower system with main circuit breaker and panel, and 110V outlets in nav station, galley and each sleeping cabin.
- Adjustable overhead LED lights and cabin lights in all cabins.
- Overhead light in heads.
- LED ambiance and courtesy lighting in main cabin.
- Low voltage LED navigation lights on bow and stern rails.
- Steaming light and mooring light.
- Grounding system for protection against lightning.
- Three-step battery charger.

OPTIONS

- Boot Stripe in color other than standard.
- Two-tone deck.
- Fixed hull ports in forward and aft cabins.
- Self-tacking jib system.
- Inner forestay deck and mast prep package.



J/45 USA Specifications

- Hydraulic boomvang.
- Composite in-boom furling system from Furlerboom.
- Electric winches (any combination of cabintop, primary and mainsheet winches)
- Large companionway dodger with removable sides and opening front.
- Double bimini top for helm and cockpit seats.
- Cockpit table with secure footings to central footrest.
- Flexiteek decking on cockpit sole and/or the side-decks.
- Hinge down aft swimming platform with swim ladder.
- Shoal draft keel (6.6') in lieu of standard.

INTERIOR OPTIONS

- Three cabin/Two head interior layout.
- White Oak furniture in lieu of standard.
- Cushions in leather or Ultra-Leather.
- Additional cabinets on hull sides in forward cabin.

SYSTEMS OPTIONS

- Retractable bow thruster.
- Additional battery capacity for total of 450AH house.
- Microwave oven in galley.
- Additional 12V refrigerator.
- Electric toilets.
- AC Generator (3.4kw) in aft locker (not possible with inverter)
- Air Conditioning system – 2-zone system in main cabin and owner's cabin.
- Cabin heating system.
- 12V to 110V Inverter (not possible with generator)
- Audio Fusion stereo system.

NOTICE: Specifications are subject to change due to deletion, additions or revisions at the sole discretion of J/Boats, Inc.