

J/46 Specifications

Hull & Deck

- SCRIMP™ infusion molded sandwich construction using triaxial, biaxial and unidirectional glass reinforcements with Lloyd's and ABS approved end-grained balsa core. (SCRIMP™ is the patented resin infusion molding process of TPI Technologies, Inc.)
- TPI transferable ten year warranty against hull blisters.
- Interplastic vinylester resin on the outer hull layer.
- Lead & antimony fixed 9,350 lb., 6.2' draft, and fin/bulb keel bolted to a deep molded stub.
- White (other light colors are optional) Gel Coat hull with double tapered bootstripe and molded indented cove stripe.
- White gelcoat deck with choice of five non-skid colors in tones of white, gray and beige.
- Hull-to-deck joint bonded with 3M 5200 and Plexus MA550 on the transom, side decks are covered with a thru-bolted clear anodized aluminum toe-rail.
- Two lazarette lockers on fantail, port cockpit seat locker and port utility locker for helmsperson outboard of wheel.
- Propane locker outboard of wheel to starboard drained and vented overboard with two 10lb aluminum bottles.
- Molded instrument pods on port and starboard coamings and on wheel pedestal.
- Molded companionway seahood with integral instrument pod.
- (3) Dorade boxes molded integrally into deck for ventilating owner cabin, main cabin and forward head area.
- Molded swim platform with off-center gate and fold-up ladder.
- Gasketed bow anchor locker and spinnaker storage area with overboard drain.
- 316 stainless handrails on cabin trunk (4) total.
- GRP molded main structural bulkhead, glassed fore & aft on hull and deck as support for shroud chainplates with single door opening to v-berth cabin.
- Heavy duty molded structural keel support grid including engine bed, mast step, and longitudinal stiffeners.
- Fabricated aluminum mast step and engine bed tapping plates molded into structural keel grid.
- Positive traction nonskid on horizontal deck surfaces.

Propulsion & Steering

- Yanmar 4JH-TE turbo-charged 76 hp, 4 cylinder, diesel engine with fresh water-cooling, dual Racor fuel filters and 140 amp Balmar alternator with a smart 3-step charge regulator.
- Yanmar C-type recessed engine instrument panel in cockpit with Acrylic cover including gauges for tachometer, fuel level, operating hour meter, fresh water temperature, amperage, oil pressure and oil temperature.
- Morse-type control gear shift and throttle mounted on pedestal.
- Parallel fuel system with 58 gallons in primary tank below the aft starboard berth, and 30 gallons in secondary tank behind aft bulkhead to starboard. Secondary tank gravity feeds into primary for 90 gallon total capacity.
- Two blade 20" Max Prop with 1.25" Aquamet shaft.
- AquaDrive self-aligning thrust bearing to minimize shaft vibration.
- Ultra Sound Acoustics VO-100 insulation in engine compartment.
- Balanced spade rudder constructed with unidirectional glass and large diameter shaft mounted in Edson custom rudder bearing to exceed ABS requirements.
- Aluminum emergency tiller.
- Edson 60" diamond series aluminum wheel with leather grip.
- Custom molded pedestal with guard and integral binnacle, 5" Ritchie compass, 9" x 12" instrument mounting area & Edson thru-shaft wheel brake.
- (2) Teak helm-station foot braces shipped loose for owner preferred location.

Interior

- Satin varnished cherry bulkheads and furniture panels with cold molded cherry trim, drawer and cabinet faces. Main bulkhead with single opening and recessed cherry paneled door with Mobella lock-sets. Forward and aft heads trimmed in teak.
- Cherry trimmed vinyl headliner throughout forward, main and aft cabins.
- Polyurethane teak & holly veneer floor panels with underside and end-grain sealed with epoxy.
- Choice of interior cushion fabric colors. (ultra-suede or ultra-leather options available)
- 5" layered & bolstered main settee split wrap-around cushions with two-tier split backrests. 4" foam cushions in fwd and aft cabins.

- Large twin berth forward cabin featuring 4 drawers, 4 lockers, hinge-up bunk tops to maximize storage; hinged V-berth filler; changing seat, hanging locker w/louvered door, and bureau/vanity with 2 drawers, locker, and cabinet above with cherry louvered doors & shelf.
- Forward head includes vanity with mirrored acrylic slider storage, teak towel rack, mirror storage cabinet below molded sink, enclosed by cherry paneled door (on outer face) and white laminate finish on head side.
- Stall shower with teak slat bench seat, cabinet locker with mid-height shelf outboard, shower fixture mounted on bulkhead with adjustable shower faucet. Local self-priming pump services shower sump and drains overboard.
- Pilot berth in main cabin to port with small mid-height convenience shelf at aft end.
- Two storage cabinets with louvered doors to accommodate main cabin entertainment center above starboard settee.
- (2) Book storage shelves between cabinets with removable cherry retainer battens.
- One large drawer and one locker outboard of starboard settee backrest cushions.
- Settee backrests of cherry veneer and cherry trim.
- Varnished cherry wood hull slats in main, aft and V-berth cabins.
- Cherry main cabin drop-leaf table with removable fiddles, two drawers and internal bottle storage.
- Large 30 x 36 sit-down, forward-facing navigation station with hinged tabletop. Features include; outboard shelf, access to chart storage and sliding organizer tray below table top, cushioned seat of layered bolstered foam, instrument cabinet with (2) large wood panel faces hinged at the bottom for quick access, file storage drawer below nav seat to fit hanging files, binocular & misc. storage cabinet outboard of seat, and series of three utility drawers on inboard table support face.
- Starboard aft cabin with recessed cherry paneled door, hanging locker with louvered door and bureau/vanity with 2 large drawers, hinged footlocker, and cabinet with cherry louvered door & shelf. Additional drawer above engine.
- Aft head/shower combination accessed via cherry paneled door, wet hanging area outboard, cabinet below molded sink, mirror, (2) teak grab rails and direct access door to lazarette locker area equipped with fore and aft divider.
- Teak companionway steps cold molded with angled ends & Treadmaster non-skid for safe entrance and exit.
- Cherry overhead grab rails in main cabin.
- All drawers and cabinets with polished positive-latch push buttons.

Galley

- "Wheat Matrix" Fountainhead color for counter tops with cold-molded varnished & tapered cherry fiddles.
- Scandvik polished 8" deep SS double sink recessed below Fountainhead on forward island with deluxe hot/cold pressure-water gooseneck faucet and manual fresh water faucet with whale foot pump. Storage areas in louvered doors below sink for cleaning supplies and garbage pail with flip lid access.
- 6.5 cu.ft. Deluxe icebox located on center island. Features include molded GRP box insulated with Glacier Bay Ultra R vacuum insulation panels and foam top. Organizing shelves & interior light included.
- 3.5 cu.ft. ice box, convertible to optional freezer, located outboard of sink. Featuring molded GRP box with 3-1/2" foam insulation and mounting space for refrigeration cold plates.
- Three-burner Force 10 propane stove/broiler/oven with thermostat control, patented slide-away oven door recess and S.S. stove bar. Additional storage foot locker below oven.
- Plate, bowl, cup, and glass storage compartment on bulkhead aft of stove.
- Top access dry good storage compartment below counter top directly outboard of sink.
- (3) Large cabinets mounted outboard and covered by three louvered cherry doors. Aft two cabinets installed with mid-height shelves. (Optional Microwave replaces middle cabinet door and area).
- Dual slider cabinet, bin storage, and AC outlet mounted below cabinets.
- Flatware drawer, utensil drawer and utility cabinet with mid-height shelf and louvered door under outboard counter.
- Stainless grab post on forward inboard galley corner.

Plumbing

- Hot & cold pressure water system with 12-gallon hot water tank and accumulator tank. Service to (2) heads, forward shower, galley, & swim platform shower.
- Self-priming direct sump pumps for showers draining into seacocks.
- Automatic bilge pump with float switch and dedicated panel in nav station wired direct to DC system.
- 120 gallons total water capacity in (2) custom molded tanks complete with baffles, inspection ports, and secured in place below main cabin settee berths.
- Raritan PH-2 heads with holding tanks. Overboard "Y"- valve offshore discharge and holding tank pump out systems.
- Two manually operated bilge pumps, one mounted in the cockpit and another in aft head with hose to reach bilge. (ORC category 2).

Electrical

- Standard system batteries include: (1) group 4D (210 amp) and (2) group 31 (105amp) deep cycle batteries to serve the house, and (1) Optima 1000 (1,100 CCA) battery for dedicated service to the engine. All batteries are Concorde's Lifeline AGM sealed, absorbed glass mat type series.
- ProMariner ProMatic 30-3 Battery Charger.
- 140 amp Balmar Alternator with Max Charge external regulator and temperature sensor for alternator, and Balmar spike protection fuse.
- Batt/Maxx Automatic Battery Combiner System with remote momentary parallel switch near cockpit engine panel. .
- Master battery switch at nav station with 1,2,Both,Off for House batteries and single On/Off switch for engine start battery mounted in aft cabin.
- Deluxe Bass AC/DC backlit electrical panel w/digital condition meters, circuit breakers, accommodation for optional generator installation and air conditioning systems. Panel accommodates 33 DC breakers (24 occupied w/two spare standard) and 11 AC breakers (9 standard).
- Navigation, steaming/foredeck, anchor and tri-color masthead lights.
- 30 amp 110VAC shorepower system with 6 outlets, 50ft shore power cord and ProMariner Galvanic Isolator with monitoring device.
- Bonding system to meet ABYC project E-1.
- Propane solenoid switch panel in galley.
- Ten swiveling Imtra stainless halogen reading lamps, halogen overhead lights in main cabin, flexible armed lamp at navigation station, two florescent lights, one in each head.
- Four Hella variable speed cabin fans over berths.

Deck Hardware

- (2) Lewmar 64CCST self-tailing 2-speed all chrome primary winches with gear ratio of 3.1:1 in 1st gear and power ratio of 64:1 in 2nd gear located in recessed bases on cockpit coamings.
- (2) Lewmar 54CCST self-tailing 2-speed all-chrome halyard/reef/spinnaker secondary winches on cabin trunk.
- (2) Lewmar 48CCST self-tailing 2-speed all-chrome mainsheet winches outboard of traveler in recessed bases.
- (3) Lock-in Harken Speed-Grip 10" winch handles, (2) 8" Speed-Grip handles for mainsheet.
- Four cockpit mounted PVC winch handle holders
- Thurston cockpit dodger with roll-up forward window, removable side curtains, stanchion supports and stainless grab bar on aft edge.
- Thurston deluxe helmsman bimini with stanchion supports & viewing window (same color as dodger).
- Five white acrylic cockpit cushions for helmsman and cockpit seats.
- (2) Harken Black Magic 3010 (100mm) footblocks for genoa sheets when using dodger, mounted on cockpit coamings aft of primary winches.
- (2) Harken Black Magic 3006 (75mm) double footblocks with lock-off outboard of the primaries for spinnaker sheets and checkstays.
- (2) Harken Black Magic 3005 (75mm) mainsheet foot blocks w/lockoffs mounted on angled pads at winches.
- 2:1 Mainsheet system consisting of (2) Harken 1969 AirBlocks (75mm) mounted on traveler and (1) 3007 AirBlock (100mm) attached to boom bale.
- Harken 560-5 Big Boat mainsheet traveler track with Harken 1939/1935 car w/control blocks for 6:1 purchase led to both sides of cockpit to 1893 track control ends through cockpit side mounted 222 blocks to 150 cam cleats. (2) 168 swivel blocks to adjust traveler from forward or aft side of track.
- Single rope clutch mounted in cockpit for headsail furling.
- Lewmar V-4 anchor windlass system with #203 rope/chain gypsy, manual override, 150 amp breaker in nav station, hand held control unit mounted in forward deck anchor locker. Gypsy requires 3/8" ACCO G40 or G80 chain and 5/8" braided rope.
- Custom 316 stainless mast collar with 10 bales for halyard and reef lines and forward halyard bar.
- (9) Schaefer 08-05 stainless halyard and reef blocks w/investment cast shackles.
- (4) Lewmar Superlock double rope clutches, mounted in pairs forward of each secondary winch.
- (2) Harken 1969 (75mm) AirBlocks shackled to U-bolts at transom corners for mainsail checkstays.
- (2) Harken 1969 (75mm) AirBlocks shackled to U-bolts aft on toerail for spinnaker sheets.
- (2) Clear anodized aluminum "T" tracks (13' x 1.25") for jib/genoa leads. Additional 3' x 1.25" track mounted outboard of 100% jib position for outboard lead. (Note
- (2) Schaefer 32-33UC screw-pin type jib/genoa lead blocks.
- (2) Schaefer 05-99 snatch blocks for spinnaker twings.
- (2) Stainless t-track slider cars.
- Asymmetric spinnaker deck gear including: (2) Harken 1969 (75mm) Airblocks mounted on "U" bolts near stern pulpit and (1) 1969 75mm AirBlock mounted on anchor roller.

- White molded flagstaff mounted in 316 SS deck socket on aft deck edge close to centerline with 4 x 6 American flag.
- ORC Bow pulpit of 316 SS with double rail offshore navigation lights and forward gate.
- ORC Stern rails of 316 SS w/2 rail split design including a stern boarding gate to starboard and stern light.
- Tapered 316 SS lifeline stanchions with SS bases mounted to toerail.
- Double lifelines with boarding gates to P&S.
- Padded Sunbrella lifeline covers for each lifeline outboard of helmsman's station w/color to match dodger & bimini.
- Two 10" bow cleats, two 8" stern cleats, two 8" amidships cleats.
- Custom designed 316 SS bow roller/stemhead to accommodate Simpson-Lawrence Delta 35,45 & CQR 35,45 and Bruce 45 anchors. (Optional removable anchor roller to port)
- Seven Lewmar Ocean series articulated, bronze tinted acrylic hatches: size 70 on foredeck, size 60 in main cabin, (4) size 12 over forward cabin, aft cabin, shower, and head and (1) size 10 in aft head.
- White framed Bomar opening ports w/screens in cabin trunk and in cockpit walls for aft quarter cabin and head.
- Acrylic companionway hatch and two-part acrylic offshore drop-boards with inside/outside opening, lockable hasp.
- Four 12x20 and two 12x24 poly mesh line bags, one foredeck double line-bag.
- (4) Vetus 4" dorade cowl ventilators to service forward cabin and head and main cabin. Removable stainless guards for forward dorades.
- 316 SS swim ladder with gray PVC treads mounted on swim platform. SS step with PVC tread mounted on transom.

Spars & Rigging

- Hall Spars carbon fiber mast of pre-preg carbon fiber autoclaved at 80 PSI at 250 deg F. Mast includes double airfoil carbon spreaders, carbon gooseneck, Awlgrip off-white finish, painted black bands, wire runs in conduit, Hall/Antal mainsail track with loader and end fittings to accommodate sailmaker provided Antal mainsail sliders and/or boltrope. Also included with the mast are; Spartite mast wedge material, offshore tricolor/anchor light, bow and deck light with SS guard and flag halyard cheek block at masthead and cleat at deck.
- Hall Spars boom of 6061-T6 aluminum with off-white Awlgrip finish, welded gooseneck fitting, lug for QuikVang internal 12:1 mainsail outhaul with external cleat, bale for mainsheet block and painted black bands. Outboard end to accommodate single line reef to starboard and 2nd clew reef to port.
- Hall "J" length carbon fiber whisker pole with 2 bridles and trip line, short track on front of mast, and two deck mounted retaining clips shipped loose for owner to locate.
- Navtec continuous rod rigging and N690 style open body turnbuckles with headstay -17 pre-assembled for furling system, backstay -17, uppers -17, intermediates -12, lowers -22.
- Harken MKIII Unit 2 size furling system with airfoil performance extrusion, corrosion proof spool and drum, tapered torque tube, AirSwivel for reduced weight aloft, cast aluminum Hardcote anodized chafe guard, and all black low stretch New England adjuster line.
- Hall Rigging package includes; two Technora jib halyards and one Spectra spinnaker halyard each with Wichard SS shackles and flemish eye terminations, 2:1 main halyard of Technora with Wichard shackle, XLS Mainsheet and two traveler control adjuster lines, two Spectra genoa sheets, two Maxi Plus tapered Spectra spinnaker sheets, one XLS Dacron spinnaker tack line, single 3/8" Crystalyne checkstays that can be clipped forward when not in use, burgee halyard of white 5/32" Dacron cord. Three reef lines are also included; Tack reef & clew reef #1, together, are one continuous reef line to starboard. Tack reef #2 doubles as cunningham to port. Clew reef #2 is included with it's own dedicated hardware. 2:1 Whisker pole foreguy with Schaefer 504-09 block with snap shackle.
- Sailtech -17 Long integral hydraulic backstay adjuster.
- Hall D-30 aluminum Quik-Vang w/ Harken 30:1 cascading adjuster tackle & powerful stainless return spring to lift boom in light air and support boom with sail furled, eliminating the need for a topping lift.
- Custom designed 316 SS chainplates, stemhead and backstay tang.

OPTIONS

Package Options

Refrigeration Package

- Seafrost Mechanical Refrigeration.
- Additional Plates & Controls for Freezer
- Supplementary 110VAC Shorepower Assist.

Supplementary Power Package

- Additional 210 amp Lifeline AGM Battery for total of 630 amps for house banks (location is in lieu of bottom nav station drawer).
- Heart Freedom 25 Inverter/Charger (in lieu of standard ProMariner 30-3 charger).
- Heart Echo Charger (to service engine start battery through AC system).
- Heart Link 2000 Battery Monitor (for (2) house battery banks).
- Heart Link 10 Battery Monitor (for engine battery).

Supplementary Plumbing Package

- Vacuflush Forward Head.
- Dockside Water Inlet.
- Seagull Water Purifier in Galley.

Cruising Accessory Package

- Cockpit Table (varnished)
- Companionway Screens (oiled)

SSB Package

- SSB Copper Ground Plane.
- Insulated Backstay.

Additional Single Options

- Fischer Panda 7.5 KW Generator with sound insulation cover.
- Mastervolt 7.5 KW Generator with sound insulation cover.
- Marine Air 23,000 BTU Air Conditioning, two-zone 110 volt system, with 16,000 BTU unit mounted in fwd hanging locker and cooling the v-berth and main cabins; a 7000 BTU unit mounted in strb aft locker and cooling the strb aft cabin. Includes upgraded shorepower service to 50 amp 110 VAC. Requires genset option to operate while offshore.
- Espar D5LC heating system with ducting into the two sleeping cabins and main cabin.
- 7.5' Deep Draft Lead Keel.
- Lewmar 64CEST Two Speed Electric Primary Winches.
- Satin Varnished Teak or Mahogany Finish (in lieu of standard).
- UltraSuede or UltraLeather Covered Cushions in Main Cabin (in lieu of standard).
- Edson Radar Mast Thru-Deck and underdeck mounting platform (for 3.5" diameter mast).
- Microwave Oven in Galley
- Inner Forestay Deck Prep Package w/Deck Tang & Additional Mast Turning Block for Halyard.
- Removable 2nd Anchor Roller for Light Duty Spare Anchor.
- Sea Water Washdown in Anchor Locker.

NOTICE

Specifications are effective with hull #45 and subject to change without prior notice or obligation. J/46s will be constructed using specifications in effect at time of construction. J Boats reserves the right to periodically upgrade these specifications through additions, deletions and substitutions.