

# J/145 Specifications

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## **Hull & Deck**

- SCRIMP™ infusion molded sandwich construction using unidirectional Toray carbon fiber with biaxial E-glass in the skins with Baltek Super-Light 45 end-grained balsa core in the Hull and Baltek Airlite foam core in the deck. Vinylester resin is used throughout both the hull & deck.
- White (other light colors are optional) Gel Coat hull with single tapered bootstripe.
- White gelcoat deck with choice of five non-skid colors in tones of white, gray and beige.
- Hull-to-deck joint bonded with Plexus MA550.
- Lamination specifications to exceed ABS offshore yacht standards.
- TPI 5 year structural warranty and 10 year transferable warranty against hull blisters.
- Molded structural grid infused along with hull for a primary bond to hull shell. Grid includes keel floors, mast step, engine bed and longitudinal supports.
- GRP molded main structural bulkhead, glassed fore & aft on hull and deck as support for shroud chainplates with dual openings to forepeak.
- Composite interior components include forepeak bulkhead, transverse web-frame forward, transverse cockpit bulkhead, main structural bulkhead, berth tops for q-berth, and pilot berth, each molded with E-glass/Airlite core and unidirectional reinforcements.
- Molded companionway seahood with integral instrument pod, molded slider and acrylic drop board equipped with inside/outside stainless hasp and combination lock and storage rack in cockpit locker.
- Molded stern boarding/swim platform with ladder.
- (2) ORC height toe-rails integrally molded into deck forward of mast.
- 8.9' draft variable chord, high lift, low VCG keel- featuring a nickel/aluminum/bronze alloy strut keel with lead bulb. Flange (at top of strut) is bolted and faired to hull recess or prefitted and shipped loose for transport. Optional 7.5' keel.
- Stainless steel handrails on cabin trunk.
- Bow locker with deck hatch and overboard drainage for stowage of anchoring gear or spinnaker in snuffer.
- Cockpit seat locker to port.
- Afterdeck gear locker and steering access with standard platform for owner supplied auto-pilot ram.
- Molded propane locker to starboard, vented & drained overboard.

## **Propulsion & Steering**

- Yanmar 56 hp 4JH4E-CE, fresh water cooled, 4 cylinder saildrive with Racor fuel filter & 120 amp alternator.
- Yanmar recessed C-type engine instrument panel in cockpit with Lexan cover.
- Two blade geared Flex-O-Fold racing prop.
- Ultra Sound Acoustics VO-100 insulation in engine compartment with three access doors and ventilation to transom.
- Uflex B-85 gear shift/throttle control.
- 75 gallon aluminum fuel tank with baffles & access port, vent and deck fill under starboard settee.
- Carbon fiber reinforced composite rudder blade & custom carbon rudder shaft mounted in composite rudder bearings.
- Molded steering pedestal with Ritchie SP-5 compass, SS Guard, Edson ultra-light racing components and a 60" Ultra-light Racing wheel with elkhide comfort grip.
- Auto-pilot prep package with aluminum Edson tiller arm.
- Teak helmsman foot braces.
- Aluminum emergency tiller with deck plate access.

## **Plumbing**

- Hot & cold pressure water system with 6-gallon hot water tank and accumulator tank. Service to head, forward shower, galley, & optional swim platform shower.
- Self-priming direct sump pumps for shower draining directly overboard.
- Automatic bilge pump with float switch and dedicated panel in nav station wired direct to DC system.

- Two manually operated bilge pumps, one mounted in the cockpit and another aft to port with hose to reach bilge. (ORC category 2).
- 90 gallons total water capacity in (2) tanks. One custom molded with baffles, inspection ports, and secured in place below port main cabin settee berth and one bladder-bag type mounted below starboard quarter berth.
- Icebox drain with valve.
- Flush seacocks below waterline including head intake, head discharge, galley sink, engine intake.
- Through-hulls include bowsprit-housing drain, engine exhaust on transom, bilge pump exhausts on transom, wheel well drain.

### ***Deck Hardware***

- Two Lewmar 66AST, 3 speed primary winches.
- Two Lewmar 50AST, 2 speed mainsheet winches.
- Two Lewmar 54AST self-tailing, 2 speed, secondary winches mounted on the cabin trunk.
- Two Lewmar 48AST, 2 speed forward halyard winches.
- Six Harken Speedgrip lock-in winch handles (four 10" and two 8").
- Four PVC winch handle holders.
- Stainless mast collar with fastening points for halyard blocks.
- Harken "Black Magic" blocks for reef lines, checkstays, spinnaker and genoa blocks.
- Spinlock rope clutches for halyards, reef lines, furler line, 2 tack lines and sprit launching line.
- Harken mainsheet and traveler system with BlackMagic series blocks & components.
- Harken genoa tracks with adjuster control line.
- Clear anodized jib T-tracks with Schaefer lead blocks.
- "T" track outboard of standard jib/genoa tracks for outboard sheeting leads.
- Stainless bow pulpit and stern rail with gate.
- Custom stainless stemhead fitting.
- Tapered lifeline stanchions with amidship boarding gates port and starboard.
- Four 4-bolt mooring cleats.
- Five Lewmar articulated, acrylic hatches: 27x27 foredeck, 20x20 skylight, one 10x10 in shower two 8x8s aft cabins P&S.
- Seven opening ports and one fixed port (over Nav station) on cabin trunk. Two fixed recessed acrylic ports in forward cabin/head.
- Two opening ports in cockpit well for starboard aft cabin ventilation.
- Thurston cockpit dodger with roll-up forward window, removable side curtains, stanchion supports and stainless grab bar on aft edge.
- Four Thurston acrylic covered, padded lifeline tubes (in color of deck nonskid)
- Two helmsman white vinyl seat cushions outboard of wheel to port and starboard.
- Custom transom swimming ladder with maintenance free composite step treads.
- Six 12x24 polypropylene mesh line bags.

### ***Electrical***

- Standard system batteries include: (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. Batteries are Concorde's Lifeline AGM sealed, absorbed glass mat type series.
- ProMariner ProMatic 30-3 Battery Charger.
- ProMariner Galvanic Isolator with monitoring device
- Batt/Maxx Automatic Battery Combiner 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.

- 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 lights.
- 30 amp 110VAC shorepower system with 6 outlets, 50ft shore power cord and Guest galvanic isolator.
- Bonding system to meet ABYC E-2 Cathodic Protection
- Propane solenoid.
- Seven 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.
- Two Hella variable speed cabin fans over berths.

### **Galley**

- High polished double stainless sink mounted in wheat-matrix Nevamar laminated J-shaped galley countertop with varnished cold-molded fiddles.
- Three-burner Force 10 propane stove/broiler/oven with 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.
- One 10lb aluminum propane bottle in cockpit propane locker connected through solenoid shutoff switch. Locker capacity for two bottles.
- Manual fresh water foot pump.
- 6.5 cu.ft. icebox with dual hinged top, and internal acrylic sliding shelf/divider.
- Dry goods storage bins outboard.
- Combination cutting board/offshore galley seat with handles.
- SS handrail mounted on forward inboard corner of galley and attached to deck.
- Griddle and pan storage locker under stove.
- Two flatware and utensil drawers.
- Large Rubbermaid trash bin storage with flip-lid access under sink.

### **Spars & Rigging**

- Hall Spars carbon fiber mast of pre-preg carbon fiber autoclaved at 80 PSI at 250 deg F. Mast includes triple airfoil carbon spreaders, carbon gooseneck, clearcoat black finish, painted white 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, anchor light, steaming light and flag halyard cheek block at masthead with cleat at deck.
- Mast Step: G10 epoxy custom fit mast step attaches to molded centerline longitudinal hull stringer with four SS bolts tapped to aluminum plate integrally molded in structural grid.
- Hall Spars boom of 6061-T6 aluminum with black Awlgrip finish, welded gooseneck fitting, lug for Sailtec hydraulic vang internal 12:1 mainsail outhaul with external cleat, bale for mainsheet block and painted white bands. Outboard end to accommodate single line reef to starboard and 2nd clew reef to port.
- Harken MKIII Unit 2.5 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 adjuster line.
- Navtec discontinuous rod rigging and turnbuckles.
- Retractable carbon fiber J/Sprit with clearcoat Awlgrip finish.
- Harken tackle system with control line led aft to cockpit.
- Bowsprit bearing system with drain mounted in hull housing and exterior neoprene seal.
- Optimized Hall Rigging package includes; two Vectran jib halyards, two Spectra spinnaker halyards each with Tylaska T-12 SS shackles and flemish eye terminations, 1:1 main halyard of Vectran with Wichard shackle, Mainsheet and two traveler control adjuster lines, two Spectra genoa sheets, two tapered Spectra spinnaker sheets, two Spectra spinnaker tack lines, checkstay/runner system 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 its own dedicated hardware.

- 17" Sailtec hydraulic backstay and boomvang cylinders with two function control panel on cockpit pedestal.

### ***Interior***

- Deluxe main cabin with varnished cherry veneered bulkheads and furniture units, with cold molded varnished trim.
- Fore and aft cabins finished with off-white vertical surfaces/bulkheads.
- 6' 4" headroom in main cabin.
- Forward of main bulkhead: hanging locker to starboard, sail stowage bin, step platform underneath deck hatch and super light composite cabin sole.
- Head with separate shower forward of main bulkhead, molded sink, outboard storage locker, H&C water, shower seat and wet storage.
- Main cabin settee berths with split cushions port and starboard.
- Choice of Nylon "designer" cushion fabrics or Sunbrella with single cushion bottom and split backrests on settees.
- Pilot berth outboard of main cabin port settee.
- Entertainment center outboard of starboard settee with two cabinets and bookshelf with mid-height shelf.
- Wood slats on hull sides above settee berths.
- Storage compartments behind the seat back cushions.
- Lightweight main cabin, drop-leaf table.
- Vinyl lining on overhead and hull sides in forepeak and aft cabins.
- Removable teak & holly veneer floor panels finished in varnish with underside and ends sealed with epoxy.
- Large, sit-down, forward facing nav table with chart storage, overhead instrument panel and outboard book shelf.
- Overhead stainless grab rails in main cabin.
- Aft Starboard Cabin: Double berth with cushions, vinyl hull siding, cushioned changing seat with storage under, hanging locker, storage drawer and varnished teak & holly cabin sole.
- Aft port: Large storage area with two pipe berths and molded cabin sole, also accessed from cockpit locker.

## **OPTIONS**

### **Package Options**

#### Deluxe Performance Cruising Package:

- Dual Purpose 7.5' all-lead keel
- Deluxe Starboard Aft Cabin option (see below)
- Aft Head to port in addition to standard forward head (see aft head description below).
- Deluxe V-berth cabin with v-berth platform, cushions, two reading lights, and His & Hers vanities.
- Supplementary Power Package (see below)
- Windlass Lewmar Concept 1 (Gypsy only model)
- Removable anchor roller

#### Deluxe Starboard Aft Cabin:

- Vanity with drawers and cabinets in lieu of seat
- Varnished wood slats on hull sides
- Varnished storage shelf outboard

#### Aft Head in lieu of Forward Head:

- Enclosed Aft Head/Shower compartment to port with Raritan PH-2 head, mirror, sink, storage cabinet, wet storage outboard and H&C water.
- Two pipe berths from former port aft cabin moved forward to occupy former fwd head location.

#### V-Berth Package

- Lightweight Removable V-berth platform
- Two berth cushions
- Two reading lights

#### Supplementary Power Package

- Additional 210 amp Lifeline AGM Battery for total of 420 amps for house banks.
- 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).

### **Single Options**

- Cove Stripe
- Additional Boot Stripe
- Ultra-Suede or Ultra-Leather covered cushions in main cabin (individually quoted)
- Seafrost Engine-Driven Refrigeration
- Supplementary Seafrost Shorepower Refrigeration
- Microwave Oven
- Extra Batteries (only available if Supplementary Power Package is not ordered)
- Screens for overhead hatches and companionway.
- Removable Anchor Roller
- Windlass: Lewmar Concept 1 (Gypsy only model)
- Lewmar 50AEST Electric Secondary Winch
- 7.5' Draft Keel
- Removable Cockpit Table
- Cockpit Shower

**Notice:** Specifications are effective on hull #17 and subject to change prior to delivery due to deletion, additions or revisions in quantities, brand or design at the sole discretion of J/Boats, Inc. Newport, RI.