

# J/120 Specifications

## *Hull & Deck*

- Lloyd's approved, Baltek Contourkore end grained balsa composite construction using biaxial and unidirectional glass with vinyl ester resin on the outer hull layer.
- TPI patented SCRIMP® resin infusion system molding process for optimum laminate strength with 65-70% glass content in structural skins.
- TPI 10 year transferable warranty against hull blistering.
- 6,000 lb. 7.0' draft, variable chord, high lift, lead keel bolted and epoxy bonded to deep molded stub w/sump.
- Off-white deck with a high traction non-skid.
- Single tapered boot stripe.
- Low maintenance extruded white ORC 1.5" foredeck, winch grinder, and helmsman toe-rails. T-track toe-rails from mast aft to stern.
- Bow locker with deck hatch for anchoring gear and fully rigged asymmetrical contained in a snuffer sock.
- Large cockpit storage locker & 2 lazarette lockers.
- Watertight forward collision bulkhead (w/bow locker only).
- Molded stern platform w/swim ladder.
- Molded spray shield with dodger storage and companionway instrument pod.
- GRP molded structural bulkhead supporting chainplates bonded to hull, deck, and mast step.
- All intermediate bulkheads glassed to hull and deck for stiffness. SCRIMP molded structural grid infused to hull during primary lamination.
- Custom fabricated I-beam aluminum mast step.

## *Propulsion & Steering*

- Yanmar 3JH3-E 40 hp. diesel engine with hour meter & 100 amp alternator, fresh water-cooling, and Racor fuel filter.
- Max Charge external regulator with temperature sensor for alternator.
- Yanmar engine panel recessed in cockpit includes tachometer w/fuel gauge, alarms for oil, battery, night light, and temperature
- Uflex engine throttle control w/neutral safety switch.
- OLR 100 engine insulation with removable engine box.
- 27-gallon fuel capacity with baffles and inspection/clean out.
- 17"x 16" Martec folding prop w/1" S.S. shaft.
- Volvo drip-less shaft gland.
- Balanced spade rudder w/unidirectional glass & large diameter shaft mounted in rudder bearings exceeding ABS specs.
- Edson 48" Diamond Series white aluminum wheel with natural leather grip on custom molded pedestal with 5" Ritchie compass, brake, and wheel height stainless guard. Gear ratio of 1:1 to facilitate installation of self-steering devices.
- Anodized aluminum emergency tiller.

## *Plumbing & Electrical*

- Manual bilge pump in cockpit.
- Electric bilge pump with manual or float switch mode.
- Manual fresh water foot pump in head and galley.
- 75-gallon water capacity with 2 baffled tanks under settees.
- Raritan Marine head with 13 gallon holding tank and "Y" valve and overboard discharge pump.
- Icebox drain with valve.
- Head/shower sump pump.
- Hot & Cold pressure water system with 6 gallon water heater.
- Cockpit fresh water shower.

- (5) Marelon seacocks and double-clamped hoses below the waterline.
- Deluxe lighting package with overhead halogen in galley, dedicated swing out nav light, swiveling tulip & dome lights.
- (2) 8G27 - 87 AHR gel-cell batteries.
- Bass 12V DC metered panel.
- Bass battery switch with 100 amp DC main breaker.
- 110V Shorepower system including 110V panel, three 110V outlets, 50' shore cord and receptacle, ProMariner Galvanic Isolator with monitoring device
- UL approved stranded, tinned copper ABYC color coded wiring throughout.
- Navigation lights and steaming light.
- Prewired seahood with 6 wire 22 gauge cable to nav station.

## *Deck Hardware*

- (2) Harken 48.2 STA (self-tailing) primary winches.
- (4) Harken 44.2 STA halyard & mainsheet winches.
- (2) 10" Speed-Grip & (2) 8" B8AL aluminum lock-in winch handles w/(3) PVC handle holders.
- 2:1 Mainsheet system of Harken Black Magic Blocks w/(3) 75mm 1969 leading to 1955 cheeks to P&S mainsheet winches.
- Harken adjustable mainsheet traveler with 4:1 purchase, includes 560 track, 515 car, 1515 controls, 564/565 track ends w/integral cams.
- Harken clear anodized jib & genoa tracks & end-stops with (4) Harken 1997 T-Track cars.
- Harken Black Magic checkstay blocks system including (2) 57mm 1958 mounted to backstay chainplate & (2) 1963 transom cheek blocks.
- Harken Black Magic 75mm 1973 double footblocks outboard of cockpit for checkstay tails & spin sheets.
- 150 cams near primaries for spin. sheets when not in use.
- Disappearing checkstay system w/(3) Harken 082 bullets, hose clamps and shock cord.
- Harken 1969 spinnaker sheet blocks on Wichard 6544 U-bolts forward of stern pulpit legs.
- (6) Harken Black Magic 1958 halyard/reef turning blocks mounted on Wichard #6533A "U"-Bolts. Halyards lead aft through (2) Schaefer triple organizers to Spinlock stoppers.
- Roller furling control line w/Harken 168 foredeck block, S.S. lined bullseyes and Harken 150 cam cleat w/328 cam fairlead.
- 2:1 J/Sprit control line leading to (2) Harken 027 Sprit blocks, 023 block on forward bulkhead, & aft through bulkheads to cockpit 150 cam.
- (2) Cockpit snuffer control 150 cams 6" behind (2) ss. Lined bulls-eye fairleads.
- (2) Bow chocks, (2) 10.5" bow cleats, (2) 8" stern cleats.
- Custom S.S. stemplate w/tack fitting & attachment studs for optional anchor roller, chainplates, & backstay tang.
- (5) Lewmar Ocean Series Hatches.
- (5) Bomar aluminum framed cabin opening ports and (1) fixed port on cabin sides (3) Bomar cockpit opening ports.
- Thurston companionway dodger with side curtains mounted against splash molding w/boot.
- Mainsail Cover with J/120 Emblem (to match dodger color)
- Lexan companionway drop board with nylon storage rack in cockpit locker.
- Double 5/32" lifelines & tapered stainless stanchions w/custom bases, double S.S. bow & stern rails, and stern gate.
- (4) 12" x 24" poly mesh line bags.

- . Teak flag staff and 3 x 5 American flag.
- . (3) Helmsman Side & Centerline Seat Cushions.
- . (4) Custom Acrylic Covered AC Hose Lifeline Covers for Helmsman (to match non-skid deck color).

#### ***Galley***

- . Gimbaled, 3 burner (including oven), non-pressurized Origo alcohol stove/oven w/S.S. safety bar & cutting board.
- . Highly polished stainless double sink recessed below 1/2" off-white Fountain head counter covering.
- . Vertical stainless grab post.
- . Molded 6.0 cu.ft. icebox with 4" foam insulation, dual lids, utility storage shelf and slider.
- . (2) Dry goods storage areas w/ shelf & acrylic slider covers.
- . Cup/Bowl & Plate storage on aft galley bulkhead.
- . Two utensil drawers
- . Pot storage cabinet with mid-height shelf below drawers.
- . Laminated cold molded fiddles.
- . Additional pot and pan storage under oven.
- . Trash storage under sink w/flip lid access.
- . Cabinet for cleaning supplies under sink.

#### ***Mast & Boom***

- . Hall Spars 6061-T6 tapered aluminum performance mast section with double airfoil spreaders, finished in off-white Awlgrip, w/painted black bands, steaming light, internal wire conduit and pre-drilled head ventilation holes.
- . Mast fitted with single climbing step and (2) CL219 clam cleats for temporary cleating of halyards when hoisting sails alone.
- . Hall Spars boom w/welded end fittings, 8:1 internal outhaul purchase system, mainsail reef sheaves, mainsheet bail, and vang lug. Finish in off-white Awlgrip w/painted black band.
- . Retractable Carbon Fiber J/Sprit extendable to 7' beyond bow w/molded GRP end caps.

#### ***Standing & Running Rigging***

- . Continuous Navtec Rod System w/Series 200 turnbuckles. -12 headstay, -12 upper/lower shrouds, -10 interm, & -10 backstay.
- . Harken split-drum 1.5 headsail furling system.
- . Sailtec -12 integral hydraulic backstay.
- . Hall integral C-24 Quik-Vang with 8:1 Harken purchase.
- . Color-coded running rigging package with tapered spinnaker halyard and checkstays, all halyards Vectran/Spectra or Technora, Spectra tack line, low-stretch XLS sheets, control lines, and reef lines.

#### ***Interior***

- . White Formica paneling with varnished teak cold molded trim, teak drawer and cabinet faces.
- . Forward double v-berth measures 75"x 80.5"x26"
- . Vinyl lined hull siding throughout.
- . Varnished teak & holly cabin sole.
- . Forward cabin w/private head entrance, hanging locker with mesh cover, changing seat with cushions, storage below, duffel storage bin below berth, and bureau with drawers to starboard.
- . Aft cabin to starboard including hanging locker with mesh cover, changing seat outboard w/ storage under, and large berth measuring 48"x78"x29".

- . Settee berths in main cabin with large backrest storage compartments, shelves, and storage outboard of back rests.
- . Deluxe bolstered cushions w/choice of nylon fabric colors.
- . Drop-leaf table with cold molded fiddles & stainless base.
- . Large chart table w/chart storage and hinged overhead electrical & instrumentation panel. Tool storage below hinged seat.
- . Head with two access doors (from fwd stateroom and main cabin) including a manual shower, sink, vanity, mirror, and storage. This area contains mast & separate sump with grate.
- . Stainless companionway ladder with varnished teak treads & non-skid strips.
- . Vinyl overhead in main, forward and aft cabins.

#### ***Options***

##### ***Carbon Mast or Boom***

- . Hall Spars custom engineered Carbon Fiber Mast built with epoxy prepreg medium modulus carbon & autoclave curing to 80 psi at 250deg. F. finished in off-white Awlgrip. Carbon mast with similar details as aluminum for a saving of 120 lbs aloft. Also included w/carbon mast is the Antal luff track (sliders not provided).

##### ***Graphic Group***

- . Two Tone Deck
- . Cove Stripe

##### ***Deluxe Trim Group***

- . Teak hull sidings in main cabin, (3) Drawers in Nav. Station, (4) Cabinets & Bookshelves over Settees, (1) 3' Shelf over berth in Aft Cabin, (1) Full-length Shelf over V-berth, Bookshelf & reading light over seat in Fwd. Cabin, Varnish finish on all teak woodwork.

##### ***Varnished Teak Hull Sidings Over Berths in Fwd and Aft Cabins***

##### ***Single Options***

- . 5.9' Shoal Draft Keel.
- . Seafrost Engine Driven Refrigeration System.
- . DC Seafrost Refrigeration System (requires third battery option)
- . Force 10 2-Burner Propane Stove System w/Oven.
- . Seaward P2001 Microwave Oven (650 watts)
- . Main Cabin Fold-up Pilot Berths. (port and starboard)
- . Boarding Gate (port and/or starboard).
- . Wide Boarding Gate (port and/or starboard).
- . Battery Charger.
- . 3<sup>rd</sup> Battery (105 AHR Gelcell)
- . Skylight Hatch & Companionway Screens.
- . Vertical Window Shades.
- . Varnished Cockpit table w/storage bag.
- . Varnished All-Teak interior panels in lieu of white Formica.
- . Varnished cherry interior

#### ***Notice***

*Specifications subject to change without prior notice or obligation. J/120s will be constructed with specifications in effect at time of construction. This specification is effective beginning with J/120 Hull #193. J Boats reserves the right to periodically upgrade these specifications through additions, deletions and substitutions.*