

# J/109 Specifications

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## **Hull & Deck**

- Lloyd's approved, CK-57AL-600 Baltek Contourkore end grained balsa composite construction using biaxial and unidirectional glass fabrics with vinylester resin on outer hull layer.
- Patented SCRIMP® resin infusion system molding process for optimum laminate strength with 65-70% glass content in structural skins.
- Pearson Composites 10 year transferable warranty against hull blistering.
- 3,900 lb. 7.0' draft, variable chord, high lift, lead keel bolted and epoxy bonded to deep molded stub w/sump. (4,260 lb. 5.75' shoal keel optional)
- Off-white deck with a high traction molded non-skid.
- Contrasting color double boot stripe on hull.
- Low maintenance molded ORC size foredeck toe-rails.
- Bow locker with deck hatch for anchoring gear.
- Molded cockpit storage & LPG Gas lockers
- Molded stern platform w/swim ladder mount.
- Molded companionway instrument pod with spray shield dodger storage.
- GRP molded structural primary bulkhead.
- SCRIMP molded structural grid.
- SCRIMP molded heavy-duty ring frame accepting shroud loads through stainless tie rods.
- All intermediate bulkheads glassed to hull and deck for additional stiffness.
- Custom aluminum mast step included within grid.

## **Propulsion & Steering**

- Yanmar 3YM30C 29 hp. diesel engine with saildrive, hour meter, 100 amp Balmar alternator, and fresh water-cooling with heat exchanger.
- Yanmar lighted panel recessed in cockpit includes electric stop, tachometer, alarms for oil, battery, and temperature.
- Fuel gauge in cockpit.
- Engine throttle control.
- 1" Engine insulation with removable front and side engine cover access hatches.
- 20-gallon fuel capacity with baffles and inspection/clean out located under aft cabin berth.
- 2 bladed Flex-O-Fold geared folding propeller.
- High aspect balanced rudder design w/large diameter custom molded FRP shaft mounted in Edson rudder bearings to exceed ABS specs.
- Edson 54" Diamond Series aluminum wheel with natural leather grip on custom molded pedestal with 5" Ritchie compass, through shaft brake, and wheel height stainless guard.
- Custom designed aluminum emergency tiller.

## **Plumbing & Electrical**

- Manual bilge pump in cockpit.
- Electric bilge pump w/switch & vented loop.
- Manual fresh water foot pump in head and galley.
- 35-gallon water tank under port settee (additional water optional).

- Raritan Marine head with holding tank and "Y" valve and overboard discharge pump.
- Icebox drain with valve.
- Direct overboard head/shower sump pump.
- Cold pressure water system (Hot water option).
- Marelon seacocks and double-clamped hoses below the waterline.
- DC Lighting package to include swiveling tulip & dome lights with fluorescent light in head.
- (2) 105amp deep cycle AGM glass-mat batteries.
- 12V Hella DC metered distribution panel with Hella DC battery monitoring system.
- Battery switch with DC main breaker.
- DC outlet plug in nav station
- UL approved stranded, tinned copper ABYC color-coded wiring throughout.
- Navigation lights and steaming light.
- Seahood with 6 wire 22 gauge cable to nav station.
- Bonding system to meet ABYC project E-1.

## **Deck Hardware**

- (2) Harken 46.2 AST (self-tailing) primary winches.
- (2) Harken 40.2 AST secondary winches.
- (2) 10" Harken Speed-Grip aluminum lock-in winch handles w/(2) PVC handle holders.
- 6:1 Harken mainsheet system with integral 4:1 fine tune.
- Harken 4:1 traveler system.
- Harken Adjustable Jib/Genoa lead system with purchase.
- Harken Black Magic 57mm 1967 foot blocks on cockpit coaming side for genoa sheets.
- (4) Folding Wichard pad eyes for outboard genoa & jib leads mounted outboard of standard tracks. (2 ea side)
- 150 cams for lazy spin sheets when not in use.
- (3) Harken 1958 for tack line on bowsprit and spinnaker sheet blocks on U-bolts fwd of stern pulpit legs to P&S.
- (8) Harken 6050 teardrop halyard/reef turning blocks mounted to aluminum mast collar. Halyards lead aft through (2) Harken quad 6066 organizers to Spinlock XTS double stoppers.
- Roller furling control line w/Harken 2636 foredeck block, S.S. lined bulleye fairleads and Harken 150 cam cleat w/425 cam fairlead.
- 2:1 J/Sprit control line leading to (2) Harken 0350 Sprit blocks, 340 block on forward bulkhead, aft through bulkheads and starboard handrail to cockpit 150 cam.
- (2) Bow chocks, (2) 8" bow cleats, (2) 8" stern cleats.
- Custom S.S. stemplate strap w/ U-Bolt tack fitting, chainplates, & backstay tang. (optional anchor roller).
- (2) Skylight Hatches of sizes 15" x 20" and 22" x 22".
- Five aluminum framed cabin opening ports (two of 12" & three of 24" lengths), one fixed 24" port above nav station, on cabin sides. Three 12" cockpit opening ports.
- Thurston cockpit dodger with side curtains mounted against splash molding (choice of standard Sunbrella colors).
- Acrylic companionway drop board with nylon storage rails in cockpit locker.

## J/109 Specifications Continued

- ORC Size double 5/32" lifelines & tapered stainless stanchions w/ bases, large gates to port and starboard, custom bow & stern rails, and stern gate.
- Telescoping stern swim/boarding ladder.
- (4) 12" x 24" poly mesh line bags.
- Flag staff and 3 x 5 American flag.
- Two helmsman footrests in teak.

### **Galley**

- Gimbale, 3 burner (including oven), Force 10 LPG stove/oven w/S.S. safety bar.
- Highly polished double stainless sink mounted to wheat colored laminate counter top.
- Molded icebox with foam insulation, single lid, and utility storage shelves.
- (2) Dry goods storage areas w/ shelf & acrylic slider covers.
- Two utensil drawers aft of stove.
- Additional storage cabinet below drawers.
- Laminated wood fiddle with integral handhold around sink island.
- Pot and pan storage in cabinet under stove/oven.
- Trash storage under sink w/flip lid access.
- Cabinet for cleaning supplies and to access trash under sink.

### **Spars & Rigging**

- Double spreader Sparcraft One-Design anodized aluminum mast & boom package with white powder coat finish.
- Sparcraft Performance Vang with purchase system.
- Retractable Carbon Fiber J/Sprit extendable to 5.5' beyond bow w/integral end caps and adjuster system.
- Continuous rod rigging package with Hall pre-assembled headstay for standard Harken headsail furling.
- Hall running rigging package including Technora main & genoa halyards, Spectra spin halyard and sheets, XLS polyester main & jib sheets, and control lines.
- Harken split-drum Unit 1.0 standard headsail furling system.
- Sailtec -8 integral hydraulic backstay adjuster.

### **Interior**

- Varnished cherry wood interior.
- Varnished cherry hull siding in main cabin. Vinyl lined hull siding in cabins forward and aft (varnished wood hull siding optional in these cabins).
- Simulated ½" teak & holly cabin sole.
- Forward cabin includes 2 hanging lockers with locker doors and shelves above, hinged access to storage below berth, and full-length shelf over V-berth to port.
- Aft cabin to port with recessed door to main cabin, hanging locker with door and shelf above and large berth with full-length shelf on hull.
- Settee berths in main cabin with shelves outboard, and storage behind back rests (tanks and storage under).

- Deluxe bolstered cushions w/choice of nylon fabric colors in main salon, nav station and cabins.
- Drop-leaf table with wood fiddles & bottle storage compartment.
- Chart table w/chart storage under table, shelf storage outboard, hinged overhead electrical & instrumentation panel. Tool storage below hinge-up seat, single drawer with cabinet on inboard face below table, and open compartment outboard under tabletop.
- Head with recessed wood trimmed door from main cabin and access door to starboard aft cockpit locker. Head includes handheld shower, sink, vanity, mirror, handhold and storage.
- Angled teak companionway treads with non-skid strips.
- Vinyl overhead in main, forward, aft cabins and head.

### **Package Options**

#### Comfort Group

- Includes three piece cockpit cushion set for helmsman coordinated canvas work of lifeline pads and mainsail cover with J/109 emblem to match dodger.

#### Systems Group:

- Includes: Hot water tank and plumbing, cockpit shower, plus additional 35 gal water tank.

#### DC Refrigeration:

- 12V Seafrost DC Refrigeration System and Additional 3<sup>rd</sup> 105amp Deep Cycle glass mat battery.

#### Marina Group:

- Includes 120VAC/30A shore power service with Pro Mariner battery charger, 50ft cord, AC panel, and five GFI protected outlets.

#### Deluxe Trim Group:

- Includes varnished wood ceilings in the forward and aft cabins.

### **Other Options**

- Two Tone Deck
- Cove Stripe
- 5.75' 4,260 lb. Shoal Draft Keel.
- Removable transom locker/dock box (Molded in same color as deck).
- Varnished Louvered Storage Cabinets in Main Cabin (port and/or starboard).
- Removable Bow Anchor Roller.
- Removable varnished teak cockpit table w/storage bag

### Notice

*Specifications are effective as of hull #312 and subject to change without prior notice or obligation. J/109s will be constructed with specifications in effect at time of construction. J Boats reserves the right to periodically upgrade these specifications through additions, deletions and substitutions.*