

# J/109 Specifications

## *Hull & Deck*

- Lloyd's approved, CK-57AL-600 Baltek Contourkore end grained balsa composite construction using biaxial and unidirectional glass with vinylester 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.
- 3,900 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.
- Contrasting color double boot stripe on hull.
- Low maintenance molded-in ORC size foredeck toe-rails.
- Bow locker with deck hatch for anchoring gear.
- Large cockpit seat storage locker & removable helmsman seat/liferaft locker.
- Molded stern platform integral to deck w/swim ladder mount.
- Molded companionway instrument pod with spray shield dodger storage.
- GRP molded structural bulkhead forward of mast.
- SCRIMP molded structural grid infused to hull during primary lamination.
- 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 fabricated aluminum mast step included within grid.

## *Propulsion & Steering*

- Volvo MD 2030 28hp. diesel engine with saildrive hour meter & 55 amp alternator with double diode, and fresh water-cooling with heat exchanger.
- Volvo engine panel recessed in cockpit includes tachometer, night light, w/ alarms for oil, battery, and temperature.
- Fuel gauge in cockpit.
- Engine throttle control w/neutral safety switch.
- 1" Engine insulation with removable engine cover access.
- 20 gallon fuel capacity with baffles and inspection/clean out located under aft cabin berth.
- 2 bladed folding propeller.
- 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, through shaft 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 w/switch & vented loop.
- Manual fresh water foot pump in head and galley.
- 35 gallon water tank under settee. (additional water optional)
- Raritan Marine head with holding tank and "Y" valve and overboard discharge pump.

- Ice box 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.
- Lighting package to include overhead halogen in galley, dedicated swing out nav light, swiveling tulip & dome lights.
- (2) 105amp deep cycle batteries.
- 12V DC metered distribution panel.
- Battery switch with DC main breaker.
- DC plug in nav station
- UL approved stranded, tinned copper ABYC color coded wiring throughout.
- Navigation lights and steaming light.
- Rewired seahood with 6 wire 22 gauge cable to nav station.

## *Deck Hardware*

- (2) Lewmar 48 STA (self-tailing) primary winches.
- (2) Lewmar 40 STA secondary winches.
- (3) 10" Harken Speed-Grip aluminum lock-in winch handles w/(3) PVC handle holders.
- 6:1 Harken mainsheet system with integral 4:1 fine tune.
- Harken 4:1 traveler system.
- Harken clear anodized jib & genoa tracks & end-stops with (4) Harken 1997 T-Track cars.
- Harken Black Magic 57mm 1967 footblocks on cockpit coaming side for genoa sheets.
- (4) folding Wichard padeyes for outboard genoa & jib leads mounted outboard of standard tracks. (2 ea side)
- 150 cams near primaries for lazy spin. sheets when not in use.
- Harken 1958 spinnaker sheet blocks on Wichard U-bolts fwd. of stern pulpit legs.
- (6) Harken Black Magic 1958 halyard/reef turning blocks mounted to aluminum mast collar. Halyards lead aft through (2) Harken quad 6066 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 0350 Sprit blocks, 340 block on forward bulkhead, & aft through bulkheads 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 separate anchor roller).
- (2) Skylight Hatches of sizes 15" x 20" and 22" x 22".
- Six aluminum framed cabin opening ports (two of 12" & four of 24" lengths) on cabin sides. Three 12" cockpit opening ports.
- Thurston companionway dodger with side curtains mounted against splash molding.
- Lexan companionway drop board with nylon storage rails in cockpit locker.
- Double 5/32" lifelines & tapered stainless stanchions w/ bases, custom bow & stern rails, and stern gate.
- (4) 12" x 24" poly mesh line bags.
- Flag staff and 3 x 5 American flag.

## ...J/109 Specifications Continued

### *Galley*

- Gimballed, 2 burner (including oven), non-pressurized Origo alcohol stove/oven w/S.S. safety bar & cutting board.
- Highly polished stainless double sink mounted to laminate counter covering.
- Molded icebox with foam insulation, single lid, utility storage shelf and slider.
- (2) Dry goods storage areas w/ shelf & acrylic slider covers.
- Two utensil drawers.
- Storage cabinet with mid-height shelf below drawers.
- Laminated wood fiddles with handhold to starboard of sink.
- Additional storage in cabinet under oven.
- Trash storage under sink w/flip lid access.
- Cabinet for cleaning supplies and to access trash under sink on aft face.

### *Mast, Boom & Rigging*

- Double spreader Sparcraft anodized aluminum mast & boom package with white powder coat finish.
- Solid boom vang with purchase system.
- Retractable Carbon Fiber J/Sprit extendable to 5.5' beyond bow w/integral end caps and adjuster system.
- Complete Nitronic 50 Rod standing rigging package with pre-assembled headstay for Harken furling.
- Running rigging package to include Technora main & genoa halyards, Dyneema spin halyard and sheets, XLS polyester main & jib sheets, and control lines.
- Harken split-drum 1.0 headsail furling system.
- Sailtec -8 integral hydraulic backstay.

### *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).
- Varnished ½" teak & holly ply cabin sole with underside sealed in epoxy.
- Forward cabin w/2 hanging lockers with locker doors and shelves above, hinged access to storage below berth, and full length shelves P&S over V-berth.
- Aft cabin to port with recessed door to main cabin, hanging locker with door and shelf above and large berth with full length shelf.
- 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 and cabins. Vinyl seat & back rest cushion in nav station.
- Drop-leaf table with wood fiddles & battery storage under.
- Chart table w/chart storage under table, shelf storage outboard, hinged overhead electrical & instrumentation panel. Tool storage below seat, single drawer with cabinet under on inboard face below table, and open compartment outboard under table top.

- Head with recessed wood trimmed door from main cabin and access door to starboard aft cockpit locker. Head includes a manual 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*

#### *Graphic Group:*

- Two Tone Deck
- Cove Stripe

#### *Comfort Group:*

- Includes three piece cockpit cushion set for helmsman, (2) cockpit seat cushions, removable varnished teak cockpit table w/storage bag, color 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.

#### *Racing Package:*

- Includes: Harken adjustable genoa lead system and one additional jib and genoa halyard with (2) Harken 1958 mast base blocks.

#### *Marina Group:*

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

#### *Deluxe Trim Package:*

- Includes varnished forward V-berth bulkhead and varnished wood ceilings in fwd and aft cabins.

### *Single Options*

- 5.75' 4,300 lb. Shoal Draft Keel.
- DC Refrigeration System (requires third battery option)
- 2-Burner Force 10 LPG Propane Stove System w/Oven.
- Boarding Gate (port and/or starboard).
- Bow Anchor Roller.
- Windlass.
- 3<sup>rd</sup> Battery.
- Skylight Hatch & Companionway Screens.

### *Notice*

*Specifications 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.*