

Prout 45 S Sailing Catamaran Specification

PRINCIPAL SPECIFICATIONS

| | | |
|----------------------------------|------------|----------------|
| Length Overall | 13.72 M | 45.00 Ft. |
| Length Waterline | 12.07M | 40.80 Ft |
| Beam | 7.10 M | 22.90 Ft |
| Draft | 1.25M | 4.1Ft |
| Displacement (Light) | 8.86 Ton | 19,841Lbs |
| Displacement (Heavy) | 12.0 Ton | 26,455Lbs |
| Fuel Capacity | 300 Liters | 80 US Gallons |
| Water Capacity | 700 Liters | 185 US Gallons |
| Mainsail Area | 65.40 M2 | 704 Sq. Ft. |
| Genoa Area | 44.97M2 | 484 Sq. Ft. |
| Height of Mast (above the water) | 19.49 M | 63.95 Ft |

The Prout 45 achieves the strength essential in catamaran design by bonding the bulkheads into a one piece hull molding to form deep box sections and then by bonding the one piece deck molding to the hull and bulkheads to create a monocoque shell system. The hull has integrated longitudinal and transverse mini-nacelles designed specifically to increase stiffness. The bulkheads are strategically located to absorb torsion and compression loads inherent in a catamaran's structure. The mainmast support bulkhead is mounted on a stringer to help transmit the mast loads away from the bridge deck. The hulls are hand laid with E-Glass and isophthalic resin to German Lloyds certification. The first layers use powder bound mat and vinylester resin to minimize risk of osmosis. The hull is cored with foam core. The deck is molded using similar techniques of foam core reinforced at high stress areas with uni-directional and double-bias cloth. All bulkheads and cabin soles are made of nida-core GRP laminate. Watertight bulkheads fore and aft add buoyancy and security in the event of collision and ensure the watertight integrity of the boat.

● HULL & DECK

- FRP with hand laid E-Glass uni-directional, double-bias cloth and foam core
- Teak inlaid transom steps
- Teak strips on cockpit floor
- Contrasting non-skid on side decks
- Nylon trampolines on bow

- Nida cored bulkheads and cabin soles
- Bronze thru-hull fittings
- Hull and deck joined with 5200
- Six (6) opening ports in hull
- Double-layer safety glass saloon house windows fitted with Sikaflex
- Anchor and stowage lockers forward of mast
- Dual molded seating area forward mast with Sunbrella cushion
- Aft facing seating behind cockpit with Sunbrella cushion
- 66 Sq. Ft teak covered beach deck on stern

● **DECK HARDWARE**

- Six (6) opening deck hatches
- 316 SS Stanchions
- 316 SS side boarding gate
- 316 SS push pit with transom handrails
- 316 SS pulpits with teak seats
- 316 SS 8 (Eight) X 8" cleats
- 316 SS 2 (Two) X 8" spring cleats
- 316 SS boarding ladder
- Two (2) deck water filler
- Two (2) deck fuel filler
- Two (2) deck waste pump-out
- Electric anchor windlass
- 20 kg (44.1Lbs) anchor, 50 m (165 ft) chain, and 30m (100 ft) rope
- 6 (Six) fenders
- 6 (Six) docklines 4 x 20m (65.6ft), 2 x 25m (82ft)
- Shower on transom

● **MAST AND RIGGING**

- Anodized aluminum mast section by Sparcraft or equivalent
- Anodized aluminum boom by Sparcraft or equivalent
- 316 SS Gooseneck with reef hooks
- Two (2) three-line stoppers on coachroof
- Internal halyards with exit ports
- Standing rigging 316 SS wire
- 316 SS chainplate tangs for shrouds
- Batcar Mainsail Slide System

● **SAIL HANDLING & RUNNING RIGGING**

- Two (2) Lewmar 48ST or Harken Chromed ST Manual Mainsheet Winches
- Two (2) Lewmar 54ST or Harken Chromed ST Manual Foresail Winches
- One (1) Lewmar 44ST or Harken Chromed ST Manual Reef/Halyard Winch
- Furlex (or Similar) Jib/Genoa Furling System with furling line led aft to the Helm
- Lewmar or Harken Genoa Tracks and Cars mounted on Cabin Roof
- Lewmar or Harken Custom Mainsheet traveler system
- Marlow Braid Mainsheet
- Marlow Braid Main Halyard
- Marlow Braid Genoa Halyard

- Marlow Braid Gennaker Halyard
 - Marlow Braid Spare Halyard
 - Marlow Double braid topping lift
 - Marlow Braid Color Coded Triple Reefing Lines
- **SAILS & CANVAS**
 - Fully Battened Mainsail with Batcar Slides
 - Two (2) single line Mainsail Reef lines led aft to cockpit
 - Self-tending Jib
 - “StacPac” Sail cover in Sunbrella
 - Forward cockpit cushion in Sunbrella
- **COCKPIT**
 - Large curved settee in cockpit
 - Large Teak Cockpit table
 - Sunbrella settee cushions
 - Storage under seating
 - Raised steering station to starboard
 - Ice Box
 - Two (2) waterproof speakers connected to saloon stereo
 - Space available under cockpit helm position for optional TV and DVD entertainment centre
 - Teak grate
 - Courtesy floor lighting
 - Main companionway sliding door
- **SALOON**
 - Panoramic view through large fixed windows
 - U-shaped settee on port side
 - L-shaped settee with coffee table on starboard side
 - Teak or exotic wood dining table
 - Headliner combination wood battens and vinyl
 - Teak and Holly sole
 - Two (2) cabin access companionway
 - Bar area on starboard side
 - Entertainment centre including 21”LCD *HDTV* and DVD player
 - 12v CD/Stereo unit, connected to two speakers in the saloon and two speakers in the cockpit
 - Two (2) Fans
 - Navigation station with chart table
 - Stainless steel lighting throughout
 - Courtesy lighting at floor level
- **GALLEY**
 - L-shaped Galley en-suite with saloon
 - Counter tops with double stainless steel sink
 - Upright Fridge

- Freezer
 - Four Burner LPG stove
 - Wood cabinetry
 - Custom storage
 - Stainless steel lighting
 - One (1) fan
- **FORWARD STATEROOMS**
 - Tapered double berth
 - Storage under berth
 - Hanging locker with automatic light
 - Stainless steel overhead lighting
 - Stainless steel reading lights
 - Opening port
 - Opening overhead hatch
 - One (1) fan
 - Teak & Holly sole
 - Courtesy light at floor level
- **AFT STATEROOMS (Port & Starboard)**
 - Queen size double berth
 - Storage under berth
 - Large hanging locker
 - Stainless steel reading lights
 - Stainless steel halogen lighting
 - Seat with cushion
 - Large overhead hatch with shade and screen
 - Opening port
 - Two (2) fans
 - Teak & Holly sole
 - Courtesy floor nightlight
- **HEAD & SHOWER (Port & Starboard)**
 - Shower compartment FRP
 - Manual flush toilet
 - Storage under basin
 - Glass wash basin
 - Stainless steel tissue roller
 - Stainless steel towel/clothing loops and hooks.
 - Stainless steel overhead lighting
 - One (1) universal 110v AC shaver socket in each head
- **ENGINE & MACHINERY**
 - Twin Yanmar 29HP diesel sail drive engines
 - Dual 60 Amp 12v alternators
 - Fresh water engine cooling system

- Engine instrument panel at helm position
- Fuel tanks in GRP vinylester 80 gallons (300 liters)
- Racor fuel filters

- **PLUMBING**

- Four (4) automatic bilge pumps (1,000 GPH each)
- Two manual bilge pumps 35gal/min
- Hot & cold pressure water
- One (1) water heater - 35Liter tanks
- Two (2) black water tanks (2 x 150 liter tanks)
- Black water pump-out fitting (for use with marina pump out facility) plus lockable 'Y' valve gives the option of direct discharge overboard
- Two (2) aluminum propane gas bottles

- **ELECTRICAL**

- 12v DC system
- 220v, 50Hz AC **or** 110v, 60Hz AC shore power/inverter system (voltage according to area of delivery)
- AC and DC breaker panels offering full circuit protection located in the saloon
- Marine grade tinned cables throughout
- House battery bank: four (4) x 12v AGM batteries. Total 660AH, to run all domestic services
- Port engine battery: one (1) x 12v/105AH AGM type
- Starboard engine battery: one (1) x 12v/105AH AGM type
- Electric battery isolators with remote switches located in the saloon
- Emergency parallel feature, to enable engine starting from the domestic battery bank
- Battery charger/inverter combination unit – Victron Energy Pheonix MultiPlus, 12v, 2000 Watt, 100A with remote control monitoring panel
- Battery monitoring system
- Fresh water, diesel and holding tank monitoring system
- Gas detection system
- Full set of navigation lights compliant with all relevant standards
- Mast wiring run in plastic conduit
- Two (2) flood lights under the lower spreaders and one (1) forward facing deck light on the front of the mast
- Five (5) AC electrical outlets throughout will be double 220v **or** 110v AC (voltage according to area of delivery)
- Galvanic isolator installed in shore power ground together with status indicator
- AC outlets protected by a GFCI, where applicable, according to ABYC rules
- One (1) 50 Foot Shore Power Cord with Hubble fittings
- VHF mast antenna
- TV mast antenna

- **NAVIGATION & ELECTRONICS**

Equipment to be positioned at the cockpit helm station

- Raymarine ST60+ depth display*

- Raymarine ST60+ speed display*
- Raymarine ST60+ wind speed/direction display*
- Raymarine RayMic VHF repeater unit
- 6" Danforth Constellation compass or similar

Equipment to be positioned at interior navigation station

- Raymarine 218E VHF radio
- 6" Danforth Constellation compass or similar

**Transducers fitted as standard*

- **INTERIOR FINISH**

- Hull interior surfaces to be vinyl
- Saloon and stateroom upholstery to be choice of acrylic fabric
- Port curtains and saloon blinds to be in matching materials.
- Teak wood trim
- Cushions for berths and settees to be of high grade foam of minimum 150mm.
- All hardware to be stainless steel as standard

- **GENERAL**

- Interprotect epoxy barrier coating on bottom
- Antifouling paint
- Emergency tiller
- Four (4) winch handles

Specifications and component part manufacturers are subject to change. The shipyard reserves the right to modify the specifications without notice.