

Celebrity P55SW Sailing Catamaran

Split-Roof

Specification

SIX CABIN / SIX HEAD

Length Overall	16.76M	55.00Ft.
Length Waterline	14.93M	49.00 Ft
Beam	9.45M	31.00 Ft.
Draft	1.28M	4.2Ft.
Displacement (Light)	16 Tonnes	35,200Lbs
Displacement (Heavy)	20 Tonnes	44,000Lbs
Fuel Capacity	500 Liters	133 Gallons
Water Capacity	800 Liters	213 Gallons
Mainsail Area	97.63 M2	1,049 Sq. Ft.
Genoa Area	67.13 M2	721.73 Sq. Ft.
Sail Area	164.76M2	1,770.73 Sq. Ft.
Height of Mast (above the water)	23.82M	78.16 Ft.

Review

The Celebrity P55SC 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 recommendations. The first layers use powder bound mat and vinyl ester resin to minimize risk of osmosis. The hull is cored above the waterline with Foam core and vacuum bagged to ensure strength and integrity. 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 utilising a 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.

[Preliminary Specification for
P55SW T-SHADE](#)

[For Review only!](#)

HULL & DECK

- FRP with hand laid 'E-Glass' uni-directional, double bias cloth and Foam Core, built according to Lloyds Standard
- Teak decking on transom steps installed with Sikaflex caulking
- Teak decking on cockpit sole installed with Sikaflex caulking
- Patterned non-skid on side decks and coach roof
- Nylon trampolines on bow
- Nida-core bulkheads and cabin soles
- Bronze thru-hull fittings
- Hull and deck joined with 3M 5200 and SS fastened
- Ten (10) opening ports in hull
- Lexan Saloon House windows fitted with Sikaflex
- Anchor and Stowage Lockers forward of mast
- Sail locker on bridgedeck forward of the mast
- Engine Access Hatches on transoms
- Large molded seating area forward of mast with Sunbrella cushions
- "Beach Deck"™ area aft of cockpit
- Teak decking on "Beach Deck"™ installed with Sikaflex caulking

● DECK HARDWARE

- Fourteen (14) opening deck hatches – Lewmar 'Ocean' series or "low profile".
- SS stanchions
- SS side boarding gates
- SS pushpits aft integrated with transom handrails
- SS pulpits with teak seats
- Eight (8) SS 10" cleats
- Two (2) SS 10" Midship spring cleats
- SS boarding ladder on Starboard transom
- Two (2) Deck Water Filler
- Two (2) Deck Fuel Filler
- Two (2) Deck Waste Pump Out
- Hot/Cold Shower on transom
- Electric Anchor Windlass
- 50Kg Anchor, 50m (150ft) chain and 30m (100ft) rode
- Eight (8) Fenders
- Six (6) Docklines 4 x 20m (65.6ft) 2 x 25m (82ft)
- Seawater anchor/deck wash-down system

● MAST AND RIGGING

- Anodized Aluminum Mast by Sparcraft
- Anodized Aluminum Boom by Sparcraft
- 316 SS Gooseneck with reefing hooks
- Mast lighting includes: Deck, Steam, Anchor lights
- Rope-clutches installed for Halyards, Furling, and Reefing lines
- Internal Halyards led aft to Helm
- Main Halyard led aft to Electric Winch
- Standing Rigging 316 SS Wire
- Custom 316 SS Chain-plate for shrouds
- Batt-Car Mainsail Slide System

- **SAIL HANDLING & RUNNING RIGGING**

- Two (2) Lewmar or Harken Chromed ST Mainsheet Winches
- One (1) Lewmar or Harken Electric Chromed ST Halyard/Furling Winch
- Two (2) Lewmar or Harken Chromed ST Genoa Winches
- Furlex (or similar) Genoa Furling System
- Lewmar or Harken Genoa Tracks and Cars mounted on Cabin Roof
- Lewmar or Harken Custom Mainsheet traveller system located on T-Roof aft of the Helm
- Marlow Braid or equivalent Mainsheet
- Marlow Braid or equivalent Main Halyard
- Marlow Braid or equivalent Genoa Halyard
- Marlow Braid or equivalent Gennaker Halyard
- Marlow Braid or equivalent Spare Halyard
- Marlow Double braid or equivalent topping lift
- Marlow Braid or equivalent Color Coded Triple Reefing Lines

- **SAILS & CANVAS**

- Fully Battened Mainsail with Bat-car system
- Three (3) Reef points in Mainsail
- Two (2) single line Mainsail Reef lines led aft to cockpit
- Furling Genoa controlled from cockpit
- UV Leech protection on Genoa
- "StacPac" Sail cover made with Sunbrella fabric
- Forward cockpit cushions upholstered in Sunbrella fabric

- **COCKPIT**

- Permanent Hard Top over after end of cockpit
- Removable Fabric portion of Bimini (forward) to aid ventilation
- Large oval curved settee in cockpit protected by Hard Top
- Large dining / cocktail table protected by Hard Top
- Settee cushions upholstered in Sunbrella fabric
- Storage under seating
- Raised steering station to starboard with seating for up to Seven (7) People
- Ice Box located in built in bar area
- Space for TV and DVD in entertainment locker under Helm Seat
- Two (2) cockpit stereo speakers
- Custom Teak Grating at entry to Saloon
- Courtesy floor lighting
- Dedicated Life Raft Storage locker at aft end Cockpit
- Main Companionway double sliding door

- **SALOON**

- Panoramic view through large fixed windows
- Port side L-shaped dining area
- Wood dining table with seating for up to Twelve (12) People
- Starboard side L-shaped settee with coffee table
- Headliner combination wood battens and vinyl.

- SS accent overhead lighting
- Two (2) 12V ventilation Fans
- Four (4) Overhead opening hatches with Screens
- Indirect / Accent lighting
- Four (4) cabin access companionways
- Cabinetry for entertainment center
- Entertainment system with 37" LCD HDTV and DVD, CD, AM/FM
- Navigation center with space for comprehensive navigation package – Raymarine or similar
- Teak and Holly cabin sole
- Interior upholstery either Ultrasuede or Ultraleather style fabrics

- **GALLEY**

- Large Galley convenient to Saloon and Cockpit
- Corian counter tops with double SS Sink
- Upright Fridge/Freezer
- Four (4) Burner LPG or Electric Stove/Oven
- Microwave
- Wood Cabinets
- Two (2) Fans
- Custom storage

- **STATEROOMS (ALL)**

- Queen size tapered berth
- Storage under berth
- Large hanging locker with shelf storage
- Large overhead hatch with shade and screen - Lewmar
- Opening Port – Lewmar
- SS accent reading and overhead light fixtures
- Two (2) Fans
- Teak & Holly cabin sole
- Courtesy Floor Nightlight

- **HEAD & SHOWER (ALL)**

- Separate Shower compartment FRP
- Toilet electric flush
- Corian counter top with basin
- Overhead hatch or opening port with shade and screen - Lewmar
- Wood cabinet
- SS Tissue holders
- SS towel loops and clothing hooks
- SS accent overhead halogen light fixture
- Courtesy Floor Nightlight
- One (1) Fan

- **ENGINE & MACHINERY**

- Twin 75HP Volvo Penta diesel saildrive engines
- Dual 115 Amp 12VDC alternators
- Fresh water Engine Cooling System
- Engine Instrument Panel at Helm Position
- Fuel tanks in FRP Vinylester (750 liters) 200 Gallons
- Racor fuel filters

- **PLUMBING**

- Four (4) Automatic Bilge Pumps (1000 GPH each)
- Two manual bilge pumps 35gal/min
- Hot & Cold Pressure water system
- Two (2) Fresh Water Tanks with 937 Liter total Capacity (250 Gallon)
- Two (2) Water Heater - 35Liter tanks
- Two (2) Black Water Tanks (2 x 150 Liter tanks)
- Black water direct overboard discharge via "Y" valve and pump out through deck pump-out fitting
- Two (2) Aluminum Propane Gas Bottles
- Hot/Cold Shower on Starboard Transom

- **ELECTRICAL**

- Voltage: 12v DC
- Battery charger 12VDC, 2000 Watt, 100 Amp, 120VAC
- Custom 12VDC/ 120 VAC Electrical distribution panel with breakers
- 1 x 10 k.W generator
- Marine Air (or equivalant) Air-Con System Total 65,000 BTU
- Shore power provides 110v AC
- Wiring - All marine cables to be Lloyds, ABS or CE approved
- Mast wiring run in plastic conduits
- Batteries to be sealed gel type, House, Generator and Engine starting.
- House: Six (6) Absorbed Glass mat total 750AH to run all domestic services
- Engine Start: 2 X 120AH Battery
- Battery charging from 2 x 115 Amp Alternators, generator, or Shorepower
- Lighting throughout will be 12v DC
- Mast lights: navigation lights, anchor light, steaming light and two deck lights
- Twenty (20) Electrical outlets throughout
- One (1) 50 Foot Shore Power Cord with Hubble fittings
- Alarm System: Environment- High Bilge, Gas, Fire/smoke/heat, alert.
Machinery: High water temp, low oil pressure on main engine. High oil temp and low oil pressure on Transmission and reduction gear

- **NAVIGATION & ELECTRONICS**

- 2 x 4" Danforth Constellation Compass at each helm with light and dimmer
- Raymarine ST60 or similar wind/speed/depth instruments
- Raymarine VHF Radio at Nav Station
- Raymarine RayMic at Helm position
- Raymarine E120 MSD or similar Chart Plotter (2)
- Raymarine 48 mile Radar or similar Interfaced with MSD's
- Raymarine GPS Sensor Interfaced with MSD's
- Raymarine ST7000 series Autopilot Interfaced with MSD's

- Joystick autopilot remote for use at Nav Station
- **INTERIOR FINISH**
 - Hull interior surfaces to be vinyl covered
 - Saloon and Stateroom upholstery to be from a selection of Sunbrella style fabrics
 - Teak Trim Standard
 - Cushions for berths and settees to be of high grade foam of minimum 150mm.
- **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.

OPTIONS:

- **HULL & DECK**
 - Colored hull
 - Daggerboards
- **DECK HARDWARE**
 - 316 SS deck hatches
 - 316 SS portlights
 - Custom 316 SS Dinghy Davits
 - Carbon Fiber Passerelle
 - 316 SS mast pulpit
- **MAST AND RIGGING**
 - Painted Mast and Boom
 - In Boom Furling
 - Bowsprit for Gennaker
- **SAIL HANDLING & RUNNING RIGGING**
 - Two (2) Lewmar or Harken Electric Chromed ST Genoa Winches

- **SAILS & CANVAS**

- Asymmetrical downwind sail and rigging
- Bowsprit and Furler for Asymmetric downwind sail

- **COCKPIT**

- DVD player and monitor under helm station
- Two waterproof speaker
- Rigid SS and FRP Bimini
- Refrigerated Icebox/ Cooler
- Bar-B-Cue
- Trash Compacter
- Hardtop over cockpit

- **SALOON**

- Entertainment system with DVD, CD and satellite radio and flat TV
- Ultrasuede or Ultraleather upholstery
- Leather or Alcantara saloon upholstery
- Alcantara drapes and shades

- **GALLEY**

- Microwave Oven
- Exhaust Fans
- Trash Compacter

- **OWNERS SUITE**

- Larger Head
- Ensuite dressing area
- Study/Office area

- **ENGINE & MACHINERY**

- Compact Combination Washer / Dryer
- Two (2) x 3 blade feathering propellers
- Trash Compacter
- Lewmar Electric Bow Thruster

- **PLUMBING**

- Freshwater deck washdown
- Water Maker with 400 GPD Capacity
- Additional Water maker and plumbing

- **ELECTRICAL**

- VHF Radio at helm
- Solar Panel installation

- **NAVIGATION & ELECTRONICS**

- Satellite Radio system
- Sailer P4000 SSB Radio
- Satellite TV/Internet system
- Additional Raymarine MSD
- Raymarine Autopilot Remote

- **SAFETY GEAR**

- Eight Man Liferaft
- PFD's for Eight (8) people

- **LEISURE EQUIPMENT**

- 14' RIB with 20HP motor

- **HOSTELRY EQUIPMENT**

- Fitted Linens
- Towels embroidered with vessel name
- Flatware, China, and Glassware

Preliminary Specs for review

Page 8 of 8
P55 Standard Specification and available options
April 5, 2008