



## Broadblue Rapier400 - Standard Specification

An incredible combination of high performance, high specification and a radical new design.

The Rapier prefix denotes a new generation of innovative, beautiful high performance catamarans with a true racing heritage, and outstanding class-leading performance. Intelligent electronics and navigation and radically simple, innovative sail handling will be standard, as will the creative contemporary, luxury interiors.

Specifically designed to deliver significant and distinctive innovations and improvements, the new Rapier series will place Broadblue far ahead of the competition for performance catamarans.

The Rapier400, with a cruising speed of 10knots and a capability of 20knots, is a fast, light and extremely good-looking boat. Geared to the performance sailor the Rapier400 will undoubtedly quicken the pulse.

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### Interior

- ✎ Owner's Layout giving 3 double cabins, owner's hull to include large head with separate shower and amidships storage.
- ✎ Guest heads with shower over basin.
- ✎ Choice of upholstery fabrics to suit your requirements
- ✎ Microfibre and flo coated side and head linings
- ✎ Treated Cork no maintenance flooring used throughout with access panels where required
- ✎ All interior fixtures and fittings are high quality and manufactured from corrosion resistant materials
- ✎ Recessed LED lighting throughout
- ✎ Handcrafted joinery in light oak

### Saloon

- ✎ Huge main saloon with panoramic views
- ✎ Seating area for six to eight people with stowage under
- ✎ 1.95m headroom throughout saloon
- ✎ Feature oak faced dining table

- with chess board inlay
- ✎ DC and AC panels with trip switches and gauges in Port Hull.
- ✎ Area for navigation instruments including plotter
- ✎ Static ventilation system

### Galley

- ✎ Large area of solid surface work tops to galley.
- ✎ Recessed stainless steel 1.5 sink with hot and cold mixer tap
- ✎ Fridge with 12v compressor
- ✎ Recessed multi burner hob
- ✎ Stainless steel oven and grill with spark ignition
- ✎ Multiple storage cupboards with shelves & drawers
- ✎ Gas detector and alarm

### Port Hull (Owner's)

#### Port Aft cabin

- ✎ King Size double berth 2.00m x 1.50m with 10cm thick high quality memory foam mattress Large hanging locker in midships
- ✎ Double door storage cabinet with work surface
- ✎ Overhead opening hatch
- ✎ Berth side storage unit

- ✎ Chrome halogen reading lights

### Port Midships

- ✎ Childs berth with pull-out option
- ✎ Storage shelved lockers below
- ✎ Led light
- ✎ Nb: This area can be bespoke tailored to suit the needs of an individual owner, details on request.

### Port Head and Shower

- ✎ Large Basin area c/w hot and cold mixer tap
- ✎ Oak shelving unit with shelves and mirror door over sink
- ✎ Electric marine w.c. with holding tank c/w electric pump out to sea (50litres) and monitoring gauge
- ✎ Portlight to outboard hull side
- ✎ Escape hatch to inboard
- ✎ Chrome towel rail and wet room accessories
- ✎ Mixer tap with shower head and electric sump pump



### Starboard Hull

#### Starboard Aft Cabin

- ✎ Opening overhead hatch
- ✎ Double berth with 10cm thick high quality mattress
- ✎ Berth side storage unit
- ✎ Chrome halogen reading lights
- ✎ Hanging locker in midships
- ✎ Double door storage cabinet with worksurface

#### Starboard Heads and shower

- ✎ Moulded basin area c/w hot and cold mixer tap with pull-out faucet
- ✎ Oak shelving unit with mirrored door
- ✎ Manual marine w.c. with holding tank c/w electric pump out to sea (50litres) and tank monitoring guage
- ✎ Chrome towel ring and wet room accessories
- ✎ Shower drain complete with electric sump pump
- ✎ Portlight to outboard hull side
- ✎ Escape hatch inboard

#### Starboard Midships

- ✎ Single berth with pull-out deck
- ✎ Storage shelved lockers below
- ✎ Chrome spot/reading light
- ✎ Nb: This area can be bespoke tailored to suit the needs of an individual owner, details on request.

#### Starboard over bridgedeck Cabin

- ✎ 1.9m long Double berth
- ✎ Hanging locker
- ✎ Overhead hatch
- ✎ Portlight to outboard hull side
- ✎ Chrome berth spot/reading lights

### Engines

- ✎ Engines and propellers installed ahead of the rudders for improved manoeuvrability

- and weight distribution
- ✎ Twin 20hp engines on Saildrives with high output, advanced charging alternators
- ✎ Fuel /water separator, filters and stopcocks
- ✎ 1 x Fuel tanks in Stainless Steel (230litres) with fuel level sensors
- ✎ Engine ventilation with air intake on transom
- ✎ Raw water filter to each engine
- ✎ Automatic Bilge Pump in each Engine Room
- ✎ Engine bays painted in fire retardant gel coat
- ✎ Engine access from aft step hatch
- ✎ Twin single-lever throttle and gear controls in cockpit
- ✎ Anti-siphon breaks fitted to raw water lines to engines
- ✎ Engine panels with tachometers, warning lights, alarm & engine-hour meter in cockpit
- ✎ Hot water calorifier connected to engine cooling circuit

### Electrics

- ✎ 2 x 85 amp/hr engine start batteries
- ✎ 2 x 110 amp/hr domestic batteries
- ✎ 12 v socket at chart table
- ✎ 12 v waterproof socket at helm position
- ✎ DC distribution panel with circuit breakers
- ✎ Volt meters and amp meters to 12 v DC systems
- ✎ 16A/240v/50Hz AC control panel (optional 30A/120v/60Hz)
- ✎ Volt meters and amp meters to AC systems
- ✎ Galvanic isolator
- ✎ 5 electrical outlets
- ✎ Hot water element heater
- ✎ Shore power connection cable

- ✎ Fuel and water tank gauges at chart table
  - ✎ Recessed LED lighting throughout
  - ✎ Over-bed Halogen reading lights
  - ✎ LED navigation lights - Steaming, deck floodlight, tri-colour and all-round white fitted to mast
  - ✎ Cockpit mounted isolators for each engine and house supply
  - ✎ Breakers for electric windlass and electric winch
  - ✎ 50amp AC Battery charger and distributed charging system for all batteries
- Navigation Electronics at helm StationNone – see options list for full list of choices.

### Deck

- ✎ Sealed and drained gas locker on foredeck – dedicated storage for gas bottles
- ✎ Anchor locker with 1400W electric anchor windlass and deck mounted foot switches
- ✎ 25Kg ROCNA anchor with 30m chain and 60m anchor plait warp
- ✎ Self launching bow roller for anchor on centre line, further bow roller to Port.
- ✎ Foredeck lockers with stowage port and starboard
- ✎ 8 x Mooring cleats
- ✎ 2 x Anchor cleats, one in line with each bow roller
- ✎ 2 x Spring cleats
- ✎ Stainless Steel pushpit
- ✎ Stainless Steel pulpits with seats
- ✎ Stainless Steel stanchion bases with 600 mm stanchions
- ✎ 1 x 19 Stainless Steel life - lines
- ✎ Set life gates to each transom
- ✎ Pair coach-roof Stainless Steel grab handles
- ✎ Triple cockpit locker
- ✎ Transom steps inlaid with Cork



### Deck (Cont.)

- ✚ Stainless Steel boarding ladder to port side
- ✚ Leather rimmed Helmsman's Wheel
- ✚ Triple Helmsman's seat with height adjustment
- ✚ 2 x manual bilge pumps to keel sump

### Services

- ✚ Water Tank (350 litres) c/w inspection hatch, filler & vent
- ✚ Provision for water-maker
- ✚ Pressurised water system throughout
- ✚ Hot water calorifier heated by engine or 240v AC system
- ✚ Expansion tank
- ✚ Colour coded pipework throughout
- ✚ Bulkhead mounted gas changeover switch – butane/propane compatible
- ✚ Saloon mounted gas isolation valve
- ✚ Gas bottle and spanner

### Sails

- ✚ Fully battened Mainsail with roller bearing cars and 3 reefs
- ✚ Zipped stack pack with Lazyjacks
- ✚ Furling Self tacking jib (colour to client specification) on roller reefing system

### Spars and Rigging

- ✚ Anodised aluminium deck stepped Mast
- ✚ Anodised aluminium Boom with single line reefing – 2 positions
- ✚ Polished stainless steel chain plates
- ✚ Standing Rigging in 1 x 19 Stainless Steel with bronze bodied roll swaged rigging screws
- ✚ 1 x 2:1 Mainsail halyard in Dyneema
- ✚ 1 x Genoa halyard

- ✚ 2 x Genoa sheets
- ✚ 2 x Genoa tracks and cars
- ✚ 2 x winches by helm
- ✚ Halyard and reefing clutch pack on mast base
- ✚ 1 x Spinnaker / Cruising Chute halyard
- ✚ 1 x Mainsail topping lift
- ✚ 2 x Mainsheet
- ✚ 2 x Winch handle

### Construction

Both hull and deck mouldings are hand laid one-piece mouldings in glassfibre, using powder-bound mat, biaxial clothes, woven rovings, isophthalic resin, and Kevlar reinforcement in high load areas. Below the waterline, the hulls are solid laminate, while the topsides and deck incorporate a low compressibility core.

The deck has an integrally moulded non-slip finish. The hull and deck join is fully bonded and protected.

Many of the structural bulkheads are of vacuum bagged foam core, and when the interior furniture is fully bonded, a light and stiff 'honeycomb' structure is created. The 400 is virtually unsinkable due to its watertight bulkheads and buoyancy compartments fore and aft. The keels are sealed off from the hulls forming a double bottom.

### Rudders and Steering

Rudders are robustly constructed and fitted with a substantial skeg ahead of the rudder blade. The rudders are formed around Stainless Steel stocks with self-lubricating bearings. The steering system is hydraulic with a balance tube connecting each rudder, operated from a steering wheel. The starboard rudder has

an access cover above and is designed to accept an emergency tiller.

### Miscellaneous

- ✚ 2 x 10 metre mooring line
- ✚ 2 x 20 metre mooring line
- ✚ 6 x fenders with 2m lines
- ✚ Operation manuals for all fitted equipment
- ✚ 1 x Owners manual
- ✚ Emergency tiller



## TECHNICAL SPECIFICATION

Engines :	2 x 20hp diesel with Saildrive	
Rig :	Fractional sloop, aft stepped mast & bow sprit	
Layout :	3 double cabins and two heads with shower	
RCD Category :	Category A (Ocean)	
Interior :	Hand built quality furniture and fittings in light Oak. Teak and Holly laminate flooring throughout.	

LOA	12m	40ft
BOA	6.7m	22ft
Displacement (light)	5000kg	4.9t
Draft	1m	3.3ft
Fuel	2 x 90ltrs	2 x 24.7gal
Water	400ltrs	88gal
Mainsail (Std)	58 sq.m	624 sq.ft
Self-tacking gib	28 sq.m	302 sq.ft
Reacher	96 sq.m	1033 sq.ft

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Please note that all specification may be subject to change without prior notice.