

Bluewater 520PH - Specification

Probably the most important buying decision you will ever make!

Yes, you can buy a house, a car or all manner of other assets, but how often does your life and the lives of your loved family and friends depend on that decision?

When you choose to go ocean cruising, the answer is every day.

Bluewater Cruising Yachts are custom designed and made for each individual owner with one over-riding criterion, the safety and comfort of those sailing aboard her no matter what the conditions they encounter.

Only a Bluewater can give you that feeling of confidence the moment you step aboard one the first time – for many a Bluewater owner that was their first impression “wow, this feels safe and solid compared to other yachts”.

And that feedback continues for as long as they sail aboard a Bluewater.

Then there are all the additional comforts built-in, because we listen. Every Bluewater built has been better than the one before because each owner provides us with feedback. We have one of the largest water tankages available in a cruising yacht enabling you to travel further and longer. We have all the luxuries of home, a built-in laundry, a work bench, and easily accessible stowage for priority or emergency items. You don't have to bend over and dig to find what you need, it is there, just where you need it because we have listened to what experienced cruisers have told us.

And because not all cruising is done in tropical climates Bluewater yachts have natural ventilation, and the option of both heating and air conditioning so you can be comfortable no matter where you go.

You will think about so many factors when making your decision and there are so many choices available. Put yourself in the picture, think about what you really want and what is really important to you. If you truly want to experience the ultimate freedom of being able to go wherever you want, whenever you want, then your choice has to be the Safety and Comfort that only a Bluewater can guarantee.

Let us impress you with a test sail, and let us introduce you to other Bluewater owners because if we tell you, well that's just us saying so, but if you hear it direct from a current owner and experienced ocean cruiser then you will get the unbiased truth.

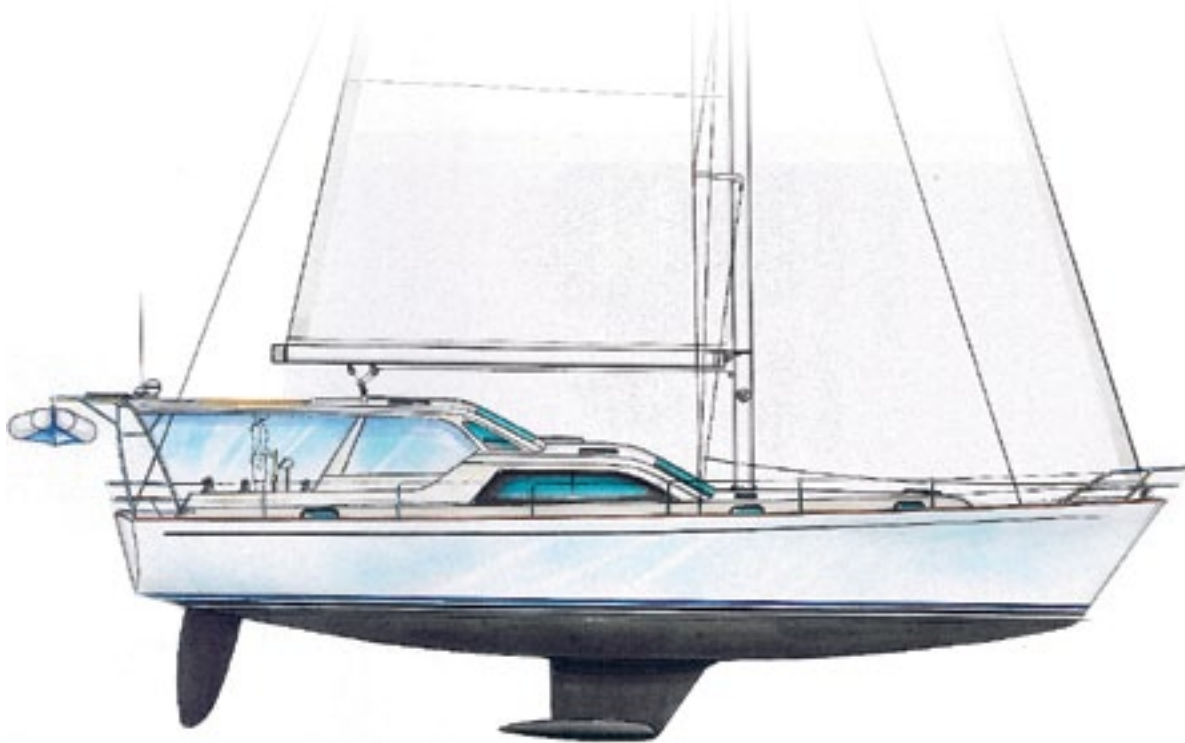
When you visit our website www.bluewatercruisingyachts.com you will find all the information and resources to help you make that decision. Make sure you download our booklet “Are You Serious about Ocean or Coastal Cruising – Things You Need To Know” and please do contact us with any questions you have, anytime.

Speak directly with David Bradburn the owner of Bluewater Cruising Yachts.

You can contact David by email david@bluewatercruisingyachts.com or by calling 0412 656 271.



Bluewater 520PH - Specification



DIMENSIONS

| | | |
|------------------|---------------|------------------|
| LOA | 52'3" | 15.95 m |
| LWL | 45'10" | 14 m |
| Beam | 14'9" | 4.5 m |
| Draft | | |
| Fixed Keel | 6'3" | 1.9 m |
| Lift Keel Option | 5'5" – 8'8" | 1.67 – 2.64 m |
| Displacement | 34,410 lb | 15,500 kg |
| Ballast | 11,100 lb | 5,000 kg |
| Aux. Power | 110 hp | |
| Freeboard Fwd | 5'11" | 1.8 m |
| Freeboard Aft | 4'5" | 1.35 m |
| Water | 264 gal | 1,200 lt |
| Diesel | 198 gal | 900 lt |
| Sail Area | | |
| No.2 Genoa | 785.5 sq.ft. | 73m ² |
| Main | 634.84 sq.ft. | 59m ² |

DESIGN DATA

Angle Vanishing Stability:

| | |
|------------------------------|-------|
| Standard Keel | 125°+ |
| Lift keel | 130°+ |
| Sail Area/Displacement Ratio | 21.9 |
| Displacement/Length Ratio | 197 |
| Ballast Ratio | 32% |

NB. All dimensions and measurements above are approximate only



Bluewater 520PH - Specification

HULL

- Constructed in accordance with NSW Maritime survey requirements
- One piece solid GRP
- All exterior surfaces UV resistant isophthalic NPG gelcoat
- Tie layer Derekane SPV-1265 vinylester resin to guard against osmosis
- Collision reinforcing - Kevlar 300g forward main bulkhead
- Sub laminate - isophthalic polyester resin unwaxed
- Glass reinforcement ranges from:
 - Topsides 5717g GRP including 2 layers 601 biaxial
 - Forward main bulkhead 6016g GRP laminate including 300g Kevlar plus 12mm balsa core topside bow section
 - Bottom 8462g GRP laminate including 3 layers 601 biaxial
 - Centreline/Keel 12,800g laminate including 6 layers 601 biaxial
 - 6 layers 601 biaxial

DECK

- Laminate - 3920g GRP including 2 layers 601 biaxial either side of core
- Core Material
 - 20mm PVC foam – foredeck & cabin top
 - 12mm foam – sidedecks
 - 18mm plywood – cockpit sole & winches
 - 3 layers 3mm coremat – under tracks & fittings

RUDDER

- Balanced spade hung rudder
- Tapered 100mm 316 stainless shaft with 4 tangs fully glassed
- Delrin rudder bearing
- Emergency tiller and upper bearing
- 20mm ply gussets supporting rudder bearing glassed 2400g CSM

HULL AND DECK JOIN

- External hull flange
- Bonded with glass reinforced filler and 3600g CSM
- Goiot aluminium toerail bolted with fairleads

BALLAST

- Fixed keel with bulb
- Two piece 5,000kg antimonial lead bulb with cast iron fin
- Attached with 12 x 25mm 2205 stainless bolt to backing plates
- Bolted through heavily reinforced keel stub

STRUCTURAL MEMBERS

- All longitudinal, thwartship members, bulkheads, cabin sole, chainplate knees and furniture are fibreglassed to the hull and deck creating an immensely strong honeycomb structure

LONGITUDINALS

- Laminate - 3528g GRP utilising d/bias bias and unidirectional cloth reinforcing

STRUCTURAL FLOORS

- Distribute keel loadings, strengthen hull & floor bearers
- Laminate - 5808g GRP utilising d/bias and unidirectional cloth reinforcing, approximately 13mm thickness

MAST STEP

- Keel stepped mast
- GRP mast step supports compression loads
- Distributed over 2 thwartship members

CABIN SOLE

- 18mm A-Bond plywood
- 6mm teak laid over
- Access to bilges throughout
- Positive locking inspection lids

RIGGING ATTACHMENT

- Stainless chainplates through bolted
- Chainplate knees solid 8600g GRP utilising d/bias and unidirectional cloth reinforcing attached to longitudinals to distribute loadings
- Split backstay to bridle bolted through transom
- Forestay attached to bowfitting
- Inner forestay attached to collision bulkhead

BULKHEADS

- Varnish grade A-Bond plywood 12-17mm
- Glass reinforcement - 2400g CSM
- Semi watertight main bulkhead

FUEL TANK

- Capacity - approximately 900 lt in 2 tanks
- Location - under saloon sole
- 3mm 316 s/s
- Inspection lids fitted
- Sufficient baffles fitted
- Inlet Ø38mm
- Outlet Ø10mm
- Breather Ø12mm
- Built to survey standard
- S/s bolts secure tanks in place

WATER TANKS

- Capacity - approximately 1,200 lts in 2 tanks
- Location - 10mm thick HDPE fitted under saloon floors
- Sufficient baffles fitted
- Inspection lids fitted

INTEGRAL HOLDING TANK

- Capacity - approximately 360lt HDPE tank fitted
- Location - Under forward cabin sole
- Toilet waste only
- Electric macerator discharge overboard and pump out station



Bluewater 520PH - Specification

ENGINE

- 4 cyl, freshwater cooled, 110 hp Yanmar direct drive 2.63:1 with deluxe instrument panel
- 2 x 80 amp alternators
- Engine beds:
 - Seasoned hardwood.
 - Glass reinforcement: 2,400 CSM
- Shaft: 316 s/s.
 - 38mm Ø
 - Keyways fore and aft
- Bronze propeller skeg laminated 4,200g CSM
- 24" x 14" 3 blade bronze fixed prop
- Polyflex flexible coupling
- PSS shaft seal
- Bronze ball valves used throughout
- Flexible exhaust hose to outlet
- Exhaust highriser fitted
- GRP waterlock
- Bronze raw water inlet filter
- Control mechanism (forward, neutral, reverse) pedestal mounted
- Twin racor fuel filter
- Instrument panel positioned in cockpit
- Continuous, rated engine exhaust fan
- Acoustic insulation ss lined

STEERING

- Whitlock or Edson Twin Wheel System with 40" steering wheels
- Engine controls mounted to side
- Electronic instruments mounted on pods above steering pedestal
- Grab bars fitted
- Centre stainless steel drop leaf table fitted between seating

PLUMBING AND FIXTURES

- Through hull fittings all bronze with double s/s hose clamps
- 12-19mm Ø PVC hose for freshwater system
- 38mm Ø tank inlet/head outlet
- Filter in line from s/s freshwater tank to manual galley pump
- Separate shower sumps fitted with electric Whale Gulper pumps
- Johnson pressurised freshwater system with Whale footpump for backup
- 1 Whale Gusher 140lt min double action manual bilge pump
- 1 Johnson L2200 120lt min and L1600 100lt min 12v electric bilge pumps
- Johnson salt and fresh water deck wash with auto reel
- Hot and cold swim platform shower
- Engine/240v 70lt hot water system

FRIDGE AND FREEZER

- 120lt Fridge front opening
- 120lt Freezer front opening
- Air/water cooled 12v utectic system
- SS shelves

ELECTRICS

- 12v electrical supply.
- Geltec batteries:
 - 1 engine starting 100 AH.
 - 6 x DC225-6 Gel batteries domestic supply 675 amp hr house capacity.
- Electrical Control Panel:
 - Easily accessed
 - Volt and amp meters
 - 30 x 12v DC circuit breakers and switches
 - Engraved nav light panel
 - Auto bilge pump switching
 - 2 x 240v AC breakers and switches
- 4 off VDO fuel and water tank gauges
- 1 off holding tank gauge
- Navigation lights
- 12v lighting – Forcato cabin and bunk lights
- 6 x 12v outlets
- Raymarine VHF Radio, DSC capability & remote in cockpit
- Shore Power - 6 outlets
- 9 off Hella turbo fans
- Autohelm ST60 Speed, Depth, Wind & cockpit mounted

ACCOMMODATION

Interior design to feature flush fitting cupboard doors with radius corner posts. Drawers fitted on runners.

The yacht's interior is built primarily from either cherry, oak or beech, and faced plywood with matching veneers. All joinery is constructed in accordance with the best yacht practices with visible fastenings reduced to a minimum. Ventilation is provided where necessary.

UPHOLSTERY

All settee and berth upholstery supplied. Covered in fabric to owner's choice from standard range. Custom made saloon seating with lumbar support uses hard and soft foam for added comfort.



Bluewater 520PH - Specification

FITOUT MATERIALS

- Bulkheads – veneered plywood
- Joinery – solid timber, veneers
- Cabin sole – 6mm solid teak finished with high gloss varnish
- Toilet - moulded fibreglass with Corian benchtops
- Cabin Hull Lining – timber slats, vinyl panelling
- Saloon Hull Lining – timber slats, vinyl panelling
- Headliner – leather finish vinyl panelling with timber cover battens
- Hanging lockers – everdured and flowcoated
- Cabin Side Liner - leather finish vinyl panelling
- Galley Bench Top – corian
- Satin finish varnish
- Lockers – flowcoated, epoxied
- Latches – silver anodised pushbutton type
- Door Handles – silver anodised
- Stormboard – fixed 10mm acrylic

Forward Cabin

Double berth, drawers and lockers under, settee, bureau, lockers, hanging locker, opening hatch above, holding tank under & 6 overhead lockers.

Forward Double Berth Cabin

Upper and lower bunks, tool storage under lower bunk, vice bolts to top bunk, hanging locker & opening hatch above.

Head

Includes vanity with built in mirror, Corian benchtop, Jabsco quiet flush toilet, teak grate, chrome flickmixer tap shower fitting, moulded sink & separate shower compartment.

Galley

Features flush fitting toe kicks, drawers on runners, front opening freezer, front opening fridge, corian benchtop, Force 10 3 burner stove and oven with electronic ignition, deep bowl double s/s sink, microwave oven & manual footpump.

Pilot Saloon Dinette

Single level seating, fixed height folding table, lockers behind and underneath & wine storage in table pedestal.

Starboard Nav and Internal Helm

Half to full size chart table, filing cabinet drawers, half size map drawer, computer drawer, radios, circuit board, helm chairs to pivot and swivel. Internal helm to include joystick control, provision for electronic instruments, radios, etc & engine controls.

Aft Port Head

Includes vanity with overhead cupboards and built in mirrors, Jabsco electric toilet with built in cover, teak grate, chrome flickmixer tap & separate shower compartment.

Aft Cabin

King size island bed, his and hers hanging cupboards, twin corner seating, bureau with mirror, 6 large storage lockers, bookshelves, abundant counter space, ensuite access, storage under bunk & access to pilot berth/aft machinery/steering compartment.



Bluewater 520PH - Specification

DECK FITTINGS

- Flush fitting Marine Deck 2000, main deck, cockpit & transom
- 2 off Plastimo 130 Compass with built in cover
- Pulpit with walk thru step/seat
- Pushpit with seat
- 8 tapered stanchions 750 mm high with 3 x 5 mm 316 lifelines
- 2 side access gates with swing down ladders
- Twin roller bow fitting to hinge for self launching
- Harken Deck Gear:
 - 2 x 3.5m adjustable genoa tracks with cars
 - Adjustable mainsheet traveller
 - Double genoa turning blocks
 - Ball bearing blocks
- Spinlock XCS 2 x 5 bank jammers
- Stainless steel flush fitting cabin top handrails
- Anodised Goyot flushline hatches:

| | |
|-----------|-------|
| 510 x 510 | 3 off |
| 500 x 370 | 4 off |
- Anodised Goyot portlights:

| | |
|-----------|-------|
| 375 x 175 | 6 off |
|-----------|-------|
- Andersen stainless steel winches:

| | |
|--------------------------|-------|
| 68 ST Primaries | 2 off |
| 52 ST Secondary | 2 off |
| 52 ST Electric (Halyard) | 2 off |
| 40 ST Mast | 1 off |

DECK FITTINGS

- Winch handles and pockets
- 316 ss fuel, water, and waste deck fillers
- Recessed transom ladder with GRP cover
- Deck lockers include:
 - Windlass/chain locker
 - Forward sail locker
 - Port fender locker
 - Cockpit backrest lockers
 - 2 helm seat lockers
 - 3m3 lazarette locker
 - 2 halyard rope lockers
 - Transom gas locker
- Muir 1600w heavy duty horizontal windlass fitted below deck with remote switching in cockpit plus chain counter
- 4 off 12" 316 ss mooring cleats
- 4 off 10" 316 ss pop up mooring cleats with drain
- Goyot anodised toerail fitted with fairleads
- Cockpit harness points fitted
- Transom shower fitted
- GRP sliding companionway hatch with fixed perspex stormboard
- 75lb Manson plough anchor with 70m ½" galvanised chain
- 2 x 6.5 kg ss gas bottles
- Under cover halyards run along cabin sides through diverters
- Fold down jackstay points fitted on deck
- Hydraulic lowering boarding platform

FIXED DODGER/REAR ARCH

- GRP cored dodger utilising d/bias and unidirectional reinforcing incorporating mainsheet track and rear arch/davits (including blocks)
- Fixed glass windscreen
- 2 x 450 x 320 hatches above

MAST AND RIGGING

- Triple spreader rig
- Keel stepped 1M 26 (252 x 162 6005AT5) section
- Upper section tapered
- Silver anodised
- Boom 250 x 140 single line reefing 2 reefs
- 316 1 x 19 ss rigging:

| | |
|--------------------------|------|
| Forestay | 11mm |
| Removable inner forestay | 10mm |
| Backstay | 10mm |
| Capshroud | 12mm |
| Intermediate | 11mm |
| Lower Shroud | 12mm |
- Spectra halyards
- 2 spreader deck lights
- Foredeck light

HOOD SAILS

- 1 fully battened radial cut Mainsail with 3 reefs
- 120% radial cut furling genoa with suncover
- Furling self tacking staysail

HULL PREPARATION

- 2 coats International HT9000 epoxy resin
- 3 coats International Interprotect epoxy primer
- 3 coats International antifouling
- Polyurethane sprayed lines
- Hull and deck is polished and finished with 3M water resistant wax



Bluewater 520PH - Specification

STANDARD PRICE

\$1,407,370.00 plus GST
1 July 2013

NOTES

- Dimension and sketches shown are approximate only and may include optional equipment. Please enquire further for optional equipment prices and specifications
- Bluewater Cruising Yachts Pty Ltd reserves the right to change plans, specifications, materials and suppliers without notice
- Prices quoted are exclusive of the GST and are ex factory

WARRANTY

- 10 year structural guarantee



Bluewater 520PH - Specification



Standard Layout

8. Find out more at www.bluewatercruisingyachts.com



BLUEWATER CRUISING YACHTS