

Bluewater 420 Raised Saloon - *Beyond 1*

DIMENSIONS

LOA	41'9"	12.72m
LWL	35'0"	10.67m
Beam	13'1"	3.99m
Draft	6'3"	1.90m
Displacement (Lightship)	27,017lb	12,170kg
Ballast	11,100lb	5,000kg
Aux.Power	100hp	
Freeboard Fwd	5'0"	1.52m
Freeboard Aft	4' 1½"	1.25m
Water	233gal	1,050lt
Diesel	100gal	450lt
Holding Tank	77gal	350lt

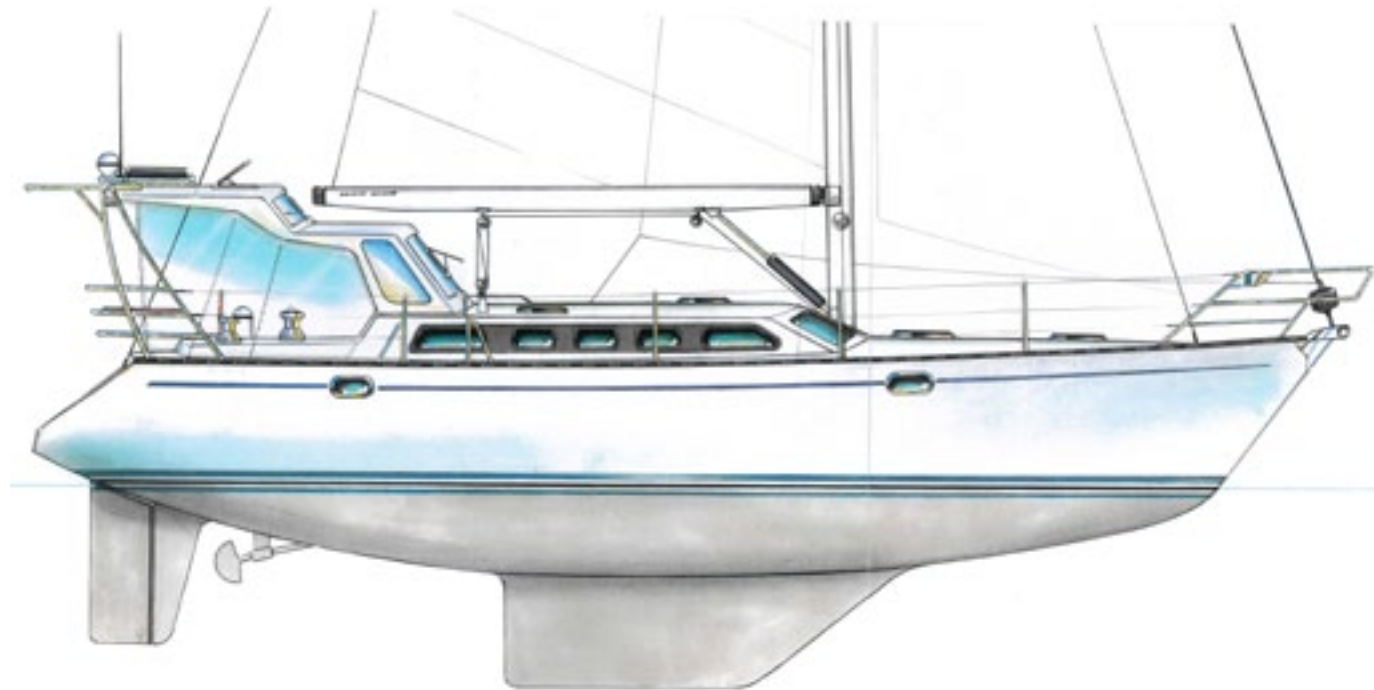
Sail Area

No.1 Genoa	571sq.ft.	53.04m ²
Main	391sq.ft.	36.32m ²

DESIGN DATA

Angle Vanishing Stability	135°
Sail Area/Displacement Ratio	18.5
Displacement/Length Ratio	255
Ballast Ratio	41%

NB. All dimensions and measurements above are approximate only



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HULL

- Constructed 1997 in accordance with NSW Maritime USL Code Offshore 2C Category survey standard
- Solid GRP layup
- One piece moulding with integral keel and skeg
- All exterior surfaces isophthalic NPG gelcoat.
- Tie layer Derekane SPV1265 to guard against osmosis
- Sub laminate - orthophthalic unwaxed resin.
- Glass reinforcement:
 - Topsides total 5400g - 4200g chopped strand, plus 2 layers 600 biax
 - Centreline/Keel total 9600g - 7200g chopped strand, plus 4 layers 600 biax

DECK

- Laminate - 4200g total with 2 layers of 600g biax
- Core Material:
 - 20mm foam - cockpit, foredeck & roof
 - 18mm plywood - cockpit sole & winches
 - 3-4 layers 3mm coremat - sidedecks & roof

RUDDER

- Glass reinforcement
 - 3600g chopped strand, 1 600 biax
- Shaft 50mm ϕ 316 s/s
- Lower bearing 44mm I/D
- Shaft termination - Immediately below deck

HULL AND DECK JOIN

- External hull flange
- Bonded with glass reinforced filler 2400g CSM
- Aluminium toerail with fairleads

BALLAST

- One piece lead casting of 4500kg
- Fitted internally
- Laminated over 3000g chopped strand, plus two layers 600 biax

STRUCTURAL FOAM FLOORS

- Distribute keel loadings, strengthen hull & floor bearers
- Laminate - 50mm foam core/1800g CSM

SKEG

- Filled GRP to make solid
- Plywood knees support 125 x 50mm skeg post
- Glass reinforcement - 3600g CSM

MAST STEP AND COMPRESSION POST

Mast Step:

- 3 transverse hardwood floors distribute loadings
- Hardwood mast step spans floors
- Laminate- 2400g CSM

Compression Post

- 100 x 100 x 6mm s/s
- Freestanding bolted with 12mm s/s bolts

CABIN SOLE

- 15mm A-Bond plywood
- Epoxy coated, screwed and glued
- Access to bilges throughout
- Inspection lids all lockable

RIGGING ATTACHMENT

- Chainplates - 50 x 12mm 316 s/s with 3mm s/s backing plates
- Knees - 25mm plywood
 - 4200g CSM laminate
- Split backstay bolted through transom
- Forestay attached to bowfitting
- Inner forestay attached to collision bulkhead

BULKHEADS

- Forward collision bulkhead
- Semi watertight main bulkhead
- Varnish grade hoop pine
 - 12-15mm
- Glass reinforcement - 2400g CSM

FUEL TANK

- Capacity - 450 lt
- Location - Aft berth/underfloor
- 2.5mm 316 s/s
- Inspection lid fitted
- Sufficient baffles fitted
- Inlet ϕ 38mm
- Outlet ϕ 10mm
- Breather ϕ 10mm
- S/s bolts secure tanks in place

WATER TANKS

- Capacity - 1050lt
- Integral tanks built within structural floors
- Sufficient baffles fitted
- Tanks are lined with 4 coats of epoxy
- Inspection lids fitted
- S/s drinking water tank fitted

HOLDING TANK

- Integral - Approx 350lt capacity
- Rear Head - Toilet waste only
- Manual discharge overboard and pump out station



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ENGINE

- Yanmar 4JH3-HTE 100hp # E20889 1261 hrs
- 4cly, freshwater cooled direct drive 2.64:1 with deluxe instrument panel
- 80 amp alternator
- Engine beds
 - Seasoned hardwood
 - Glass reinforcement - 3600g CSM
- Shaft 316 s/s
 - 38mm ø
 - Keyways fore and aft
- Feathering propeller
- Polyflex flexible coupling
- PSS shaft seal
- Bronze ball valves used throughout
- Flexible exhaust hose to outlet
- Exhaust highriser fitted
- Fibreglass water lock
- Raw water inlet filter
- Control mechanism (forward, neutral, reverse) pedestal mounted
- Fuel filter
- Instrument panel positioned in cockpit
- Engine exhaust fan
- Acoustic insulation

STEERING

- Drag Link System - 3 shaft bearings
- Bronze lower bearing
- Delrin middle bearing glassed 3600g CSM
- Machined housing incorporates lip seal, roller bearing race which takes rudder load
- 36" wheel

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 sump fitted with electric Whale Gulper pump
- Pressurised freshwater system with Whale footpumps for backup
- 1 Whale Gusher Titan manual bilge pump
- 1 Whale 9000 electric bilge pump
- Whale hot and cold swim platform shower
- 50lt hot water system

FRIDGE AND FREEZER

- Custom 12v system installed with electronic thermostat/ dual motor
- Capacity - Approximately 120lt
- 75mm foam insulation with top opening lid

ELECTRICS

- 3 x 12v electrical supply
- 3 batteries: 1 engine starting 2 x 200 amp AGM deep cycle batteries
- Mastervolt control panel:
 - 20 circuit breakers and switches Custom mimic panel
 - Auto. Bilge Pump Switching
 - 2 VDO fuel tank gauges
 - 3 VDO water tank gauges
- Navigation lights
- 12v lighting - cabin and bunk lights throughout
- 3 x 12v outlets
- VHF radio
- Shore Power - 3 outlet

ACCOMMODATION

two cabin layout. This designer interior features rounded corners, flush fitting overhanging cupboards for maximum storage and drawers on runners.

The yachts interior is built primarily from teak faced plywood with matching veneers wherever possible. 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.



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FITOUT MATERIALS

- Bulkheads - faced plywood
- Joinery - solid timber, faced plywood
- Cabin Sole - teak and holly veneer
- All inspection/access lids positive locking
- Toilet - moulded fibreglass
- Cabin Hull Lining - vinyl covered ply with timber slats
- Saloon Hull Lining - timber slats
- Headliner - vinyl covered ply with timber cover strips
- Hanging Lockers - flowcoated & epoxied
- Cabin Side Liner - vinyl covered ply
- Galley Bench Top - plastic laminate
- Galley Cupboards - plastic laminate on shelves
- Satin finish - varnish
- Lockers - flowcoated, epoxied
- Latches - silver pushbutton type
- Cupboard Doors - veneered edges in timber frame
- Door Handles - chrome plated brass
- Stormboard - 10mm acrylic

Forward Head

Vanity with built-in mirror, Par Brydon manual toilet, timber trimming, flush fitting teak grate, chromed flickmixer tap shower fitting, GRP sink.

Owner's Cabin

Double berth extends to port with cupboard and shelf above, stowage bins underneath, hanging locker, bureau and shelf cupboard to starboard.

Dinnette

U-shaped, lockers underneath and behind, cupboards behind and in forward corner, fixed height table.

Settee

Lockers underneath and behind, cupboards behind and in forward corner.

Galley

Timber surround on cupboard doors, overhanging bench, 4 drawers, overhanging cupboard, top opening fridge/freezer, plastic laminate faced bench top, shelves, s/s stove surround, deep twin bowl s/s sink, broadwater stove with oven and griller, chromed flickmixer taps & drinking freshwater footpump.

Navigation Area

1/2 chart size piano hinged lid, circuit board, electronics, radio beside chart table, small cupboard underneath, bench seat.

Head includes

Vanity with built-in mirror, Jabsco electric toilet, timber trimming, flush fitting teak grate, chromed flickmixer tap shower fitting, GRP sink.

Port Aft Cabin

double berth, stowage below, hanging locker space.

Starboard Cockpit Locker

STB cockpit locker large Storage For dinghy, lines, outboard, life jackets etc

DECK FITTINGS

- Whitlock draglink wheel steering
- S/S emergency tiller
- Plastimo 130 Compass
- Pushpit and pulpit with 3 lifelines
- Twin roller bow sprit incorporating forestay
- 6 staunchions
- 2 side access gates
- 6 x 300mm mooring cleats
- Deck Hardware: Ronstan
2x3.5m genoa tracks with cars
Adjustable mainsheet traveller 2
x 5 sheet organisers
- Stainless steel handrails on cabin top
- 10mm acrylic windows
- 2x5 bank spinlock jammers 450 x 320 2
- Gebo deck hatches: 417 x 272 6
- Lewmar Side Cabin Hatches: 375 x 175 2
- Cockpit Portlights:
- Andersen Winches: 52ST 2
46ST 2
40ST 3
- 2 winch handles and
- Fuel, water and waste deck fillers
- S/S swing down stern ladder
- 900lb electric anchor windlass
- 24kg plough anchor with 70m x 3/8" chain
- Lockers - Anchor, cockpit and lazarette
- Teak laid extended boarding platform

MAST AND RIGGING

- Deck stepped
- Double spreader mast 6061T6 grade approximately 230 x 160 x 8.1 kg or equivalent
- Removable Inner-forestay
- Single line reefing
- Boom vang
- 316 s/s standing rigging/replaced in Jan 2020
- Running rigging lead to cockpit
- Profurl furling system

SAILS

- 1 fully battened Mainsail 9.5oz Dacron with 2 reefs and sail cover
- Fitted with mainsail batten cars and slides
- 1 Furling Genoa 130% 8oz with suncover
- Storm jib in bag

HULL PREPARATION

- 2 coats International HT9000 epoxy resin
- 3 coats International Interprotect epoxy primer
- 3 coats International antifouling



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Extras Fitted

- Teak cockpit
- Harddodger with clears and shade covers
- Pushpit arch with davits and transom seats
- 3x250w solar panels
- Wind generator
- Bow thruster
- Window hatch covers
- Walk through transom
- Evinrude 4hp
- Zodiac 2.8m inflatable
- Storm jib
- Magma gas barbecue
- Deck cover
- 2nd anchor and warp/chain

Electrics

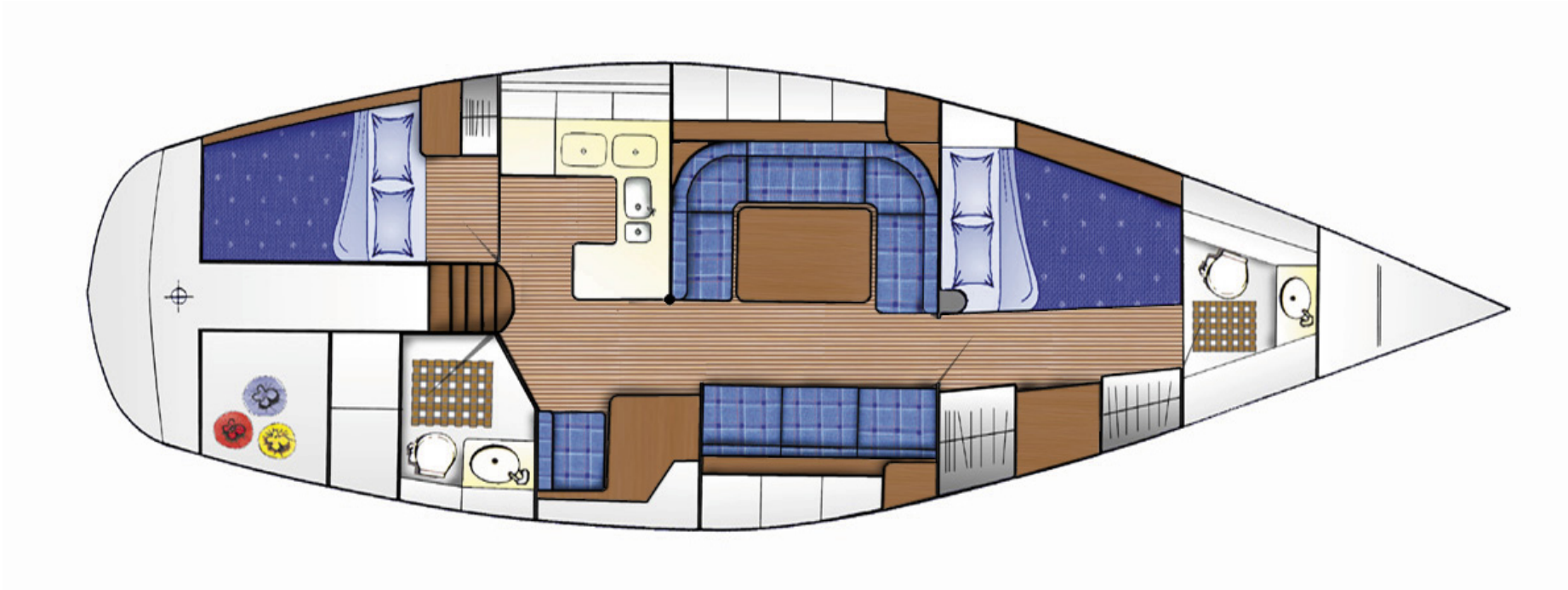
- Raymairne 7 inch nav station
12 inch screen cockpit
VHF
Autopilot
Speed/depth/wind
- HF Codan
- Fusion stereo

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



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3 Cabin / Utility Head Storage / V-Berth

