

BLUEWATER 400 SPECIFICATION

CENTRE COCKPIT - *ANTARES*

By Bluewater Cruising Yachts Pty Ltd

SPECIFICATIONS

DIMENSIONS

LOA	40'3"	12.27 m
LWL	35'0"	10.67 m
Beam	13'1"	3.99 m
Draft	6'3"	1.90 m
Displ.	26,462 lb	11,920 kg
Ballast	11,100 lb	5,000 kg
Aux.Power	43 hp	
Freebrd Fwd	5'0"	1.52 m
Freebrd Aft	4' 1 1/2"	1.25 m
Water	176 gal	800 lt
Diesel	124 gal	400 lt
Sail Area:		
No.1 Genoa	571 sq.ft.	53.04 sqm
Main	391 sq.ft.	36.32 sqm

(NB. All measurements are approximate only.)

HULL

Solid GRP layup.

One piece moulding with integral keel & skeg.
All exterior surfaces isophthalic NPG gelcoat.
Tie layer Derekane SPV-304 to guard against osmosis.

Sub laminate orthophthalic resin.

Glass reinforcement:

 Topsides 4200gm2 chopped strand,
 2 x 600gm2 woven rovings.
 Centreline/keel 7800gm2 chopped
 strand, 4 x 600gm2 woven rovings.

DECK

Centre Cockpit.

Laminate:

 3000 gm2 chopped strand,
 2 x 600gm2 layers woven roving.

Core Material:

 Foam – cockpit, deck.
 Coremat – sidedecks, cockpit sole.
 Ply – winch combings.

RUDDER

Lower rudder bearing renewed and bushes machined (2022)

Glass reinforcement:

 3600gm2 chopped strand, 1 layer
 600gm2 woven roving.

Shaft 50mm Ø 316 s/s.

Lower bearing 43 mm O/D.

Shaft termination: bunk level.

HULL AND DECK JOINT

Joined using internal hull flange.

Bonded with glass reinforced filler and 1800gm2 CSM.

Anodised aluminium toerail bolted at 300 mm intervals with fairleads & end fittings.

BALLAST

One piece lead casting approximately 4,500 kg.

Fitted internally.

Laminated over 3600gm2.

STRUCTURAL FOAM FLOORS

Distribute keel loadings, strengthen hull, floor bearers.

Laminate:

 50 mm foam core.
 1800 gm2 CSM.

SKEG

Filled GRP to make solid.

Plywood knees support 125 x 50 mm skeg post.

Glass reinforcement 3600gm2.

MAST STEP & COMPRESSION POST

Mast Step:

 3 transverse hardwood floors
 distribute loadings.
 Hardwood mast step spans floors.
 Laminate: 2400gm2 CSM.

Compression Post:

 Freestanding bolted with 12mm s/s
 bolts.

CABIN SOLE

15 mm A-Bond plywood.
Epoxy coated, screwed and glued.
Access to bilges throughout.

RIGGING ATTACHMENT

Chainplates 50 x 12 mm 316 s/s.
3 mm s/s backing plates.
Knees:
 25mm plywood.
 4200gm2 laminate.
Split backstay bolted through transom.
Forestay attached to bowfitting.
Inner forestay with hyfield lever.

BULKHEADS

Varnish grade hoop pine 12-15 mm.
Glass reinforcement 2400gm2.

FUEL TANKS

Capacity: approximately 400 lt.
Location: Beneath island berth.
1.5 mm.
Inspection lids fitted.
Baffles every 100 lt.
Inlets Ø 38 mm.
Outlet Ø 10mm or 3/8 BSP.
Breather Ø 10 mm.
S/s bolts secure tanks in place
Emergency 4 hour fuel header tank fitted in engine compartment.

WATER TANKS

Combination s/s & integral tanks.
Capacity: approximately 800 lt.
Drinking water: 1 s/s tank fitted 150 lt capacity.
Integral tanks built within structural floors.
Sufficient baffles fitted.
Tanks are lined with epoxy.
Inspection lids fitted.

HOLDING TANK

Integral: approximately 150 lt capacity.
Rear Head: Toilet waste only.
Manual discharge overboard or by pump out station.

ENGINE

4 cyl, freshwater cooled, 43 hp Nanni direct drive with instrument panel.
New gearbox fitted (2019)
Last full engine service (2023)
Engine beds:
 Seasoned hardwood.
 Glass reinforcement 3600gm2 CSM.
Shaft:
 316 s/s.
 32 mm Ø.
 Keyways fore and aft.
Bronze propeller skeg laminated 14 oz.
Autostream 3 blade feathering propeller (new 2019)
Polyflex flexible coupling.
PSS shaft seal.
Bronze ball valves used throughout.
Flexible exhaust hose to outlet.
Plastic water lock & anti-syphon loop.
Raw water inlet filter.
Control mechanism (forward, neutral, reverse) pedestal mounted.
Instrument panel positioned on pedestal.
Engine exhaust fan.
Foam sound insulation.
Engine hour meter.

STEERING

Hydraulic - 2 shaft bearings.
Bronze lower bearing.
Delrin middle bearing glassed 3600gm2 CSM to hull.
Machined housing incorporates lip seal, roller bearing which takes rudder load.
36" wheel.
Emergency steering fittings.

PLUMBING AND FIXTURES

Through hull fittings all bronze with double s/s hose clamps.
12-19 mm Ø PVC hose for freshwater system.
38 mm Ø tank inlet, head outlet.
Filter in line from s/s freshwater tank to manual galley pump.
Separate shower sump fitted with electric pump.
Pressurised freshwater system with manual pump.
1 manual bilge pump.
2 electric bilge pump.
38 lt hot water system.

FRIDGE AND FREEZER

12 v system installed with regulator.
Capacity: approximately 120 lt.
75 mm foam insulation with top opening lid.

ELECTRICS

12v electrical supply.
4 batteries:
 1 engine starting battery (new 2021)
 3 domestic supply Lithium batteries (new 2021).
Control panel:
 20 circuit breakers & switches.
 Fuel tank gauge.
Navigation lights.
12 v lighting - s/s cabin & bunk lights.
VHF Radio
HF Radio and Automatic Tuner.
Speed/Depth/Wind.
Shore Power: 2 outlets.
Battery Charger (new 2021)
Raymarine Autopilot.
Raymarine Radar
Raymarine /Chartplotter
4 x 100w Solar Panels (new 2021)
1 x Victron Solar Regulator (new 2021)
1 x Digital Battery meter Bluetooth (new 2021)
Circuit Breaker (new 2021)
12v TV (new 2023)
Radio/ CD Stereo.
Gas Detector.
230v AC Inverter.

ACCOMMODATION

The yacht's interior is built primarily from teak and 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

Synthetic suede saloon seating.
All settee and berth upholstery supplied.
Lee sheets fitted to all sleeping berths.

FITOUT MATERIALS

Bulkheads - teak faced plywood.
Joinery - solid teak, teak faced plywood.
Cabin Sole - teak and holly veneer.
Toilet - moulded fibreglass.
Cabin Hull Lining - vinyl, teak slats.
Saloon Hull Lining - teak slats.
Headliner - vinyl covered ply with teak cover strips.
Hanging Lockers - flowcoated/everdured.
Cabin Side Liner - teak faced plywood.
Galley Bench Top - plastic laminate.
Galley Cupboards - plastic laminate lined.
Satin finish varnish.
Lockers - flowcoated, epoxied.
Latches - pushbutton type.
Doors - solid teak framed.
Door Handles - chrome plated brass.
Stormboard - 12 mm acrylic.
Forward Cabin: double V-berth, bunks overhead with large bunkboards, stowage lockers under V-berth with access lids, 2 louvre vents, 2 hanging lockers, solid framed doors with louvre vents.
Dinette: L shaped, lockers underneath & behind, bookshelf along backrest, fixed height table, swing out extra seating.
Settee: lockers underneath & behind, cupboards, and bookshelf.
Galley: teak surround on cupboard doors, toe kick recessed overhanging bench, 4 drawers, overhead cupboards, top opening fridge/freezer, plastic laminate faced: bench top, shelves and stove area, deep twin bowl s/s sink, LPG 2 burner stove with oven and griller, chromed bronze taps, emergency freshwater handpump
 saltwater footpump.
Navigation Area: ½ chart size, piano hinged lid, circuit board, radios behind chart table, small cupboard underneath, swing out nav seat.
Head includes: vanity with built-in mirror, Electric toilet (new 2019), teak trimming, flush fitting teak grate, timber fiddle, chromed bronze tap fitting, GRP sink.
Centre Cockpit Rear Cabin - queen size double bed approximately 6'8" x 5', lazarette locker either side of bed head, 2 seats in corners of bed with stowage bins behind; 2 hanging lockers.

