

Inventory

52ft Custom Racing Yacht

Specifications

Reference/Stock No	Atomic
Model	52ft Azzura Yachts Custom Racing Yacht
Hull Material	E-Glass, carbon, and balsa core composite
Length	52
Price	\$ 75,000
Region	Sydney, NSW
Vessel Name	Atomic
Launch Year	2003 (refit 2012)
Beam	3.50 m
Draft	4.10 m
Displacement	8,000 kg
Deck material	E-Glass, carbon, and balsa core composite
Keel/balast	High tensile Steel canting keel with composite fairings and lead bulb. The hydraulic canting keel system comprises 2 x hydraulic rams connected to the keel head (waterproof box inside of yacht), 3 x 24V DC hydraulic pumps, manifold, and Kevlar hoses. Push button control on-deck.
Designer	Murray, Burns and Dovell
Builder	Azzura Yachts

Engine / Machinery

Engine Description	Yanmar 3GM30 27hp diesel engine Steering: Tiller connected to large, spade rudder and twin, retracting carbon daggerboards.
Fuel Capacity	30L in S-S tank
Propulsion	Custom drop box with stainless steel shaft and two-blade folding propellor

Deck Hardware / Fittings

Deck Description	All Deck Gear was removed and serviced or replaced during the McConaghy refit in 2012, which included removing the cockpit floor and replacing, removing the wheel steering and wheel well and new mainsheet island and sheeting systems. Mainsheet island accommodates:
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		<p>-Mainsheet winch and control -Hydraulic vang control -Outhaul and Cunningham Hardware is a combination of Harken and Lewmar, plus Spinlock jammers and many custom parts such as in-built sheave boxes, underdeck rope leads, custom pit tail bags and custom sliding foredeck hatch. Winches: Atomic winch package is as follows: -1 x Harken 60ST Electric Mainsheet Winch -2 x Lewmar ST66 composite drum pit winches -2 x Harken 46ST/ re-wind Electric runner winches (wind on and off) -2 x Electric Lewmar 60 flair top/ 3 speed Primary Winches</p>
	Covers	<p>Full Boat cover, Mainsail boom bag with lazy jacks, cockpit floor cover, dagger board covers, over, Tiller Cover.</p>
Electrics / Electronics	Electrics	<p>12/ 24V electrical system onboard. 12V system for engine start, instruments and other 12V equipment with 2 x 80AH stand-alone batteries and isolation switches, breakers etc 24V system to operate hydraulic DC pumps for keel operation and electric winches. Powered by 4 x Lifeline 255AH AGM batteries which provides up to 8 hrs sailing time. Charging via 12/ 24V shore power charger and 12V system can be charged via engine alternator. Cockpit, interior and navigation lights, electric bilge pumps etc Push button keel canting control on deck, plus additional control buttons for winches to enable short-handed sailing.</p>
	Instruments / Navigation	<p>Atomic is fitted with a B&G WTP-2 processor and H3000 displays. System as follows: -Vertical carbon wind wand at mast head -Speed and depth transducers. -Compass, heel sensor, forestay loadcell, string pot sensors for rudder and keel angle -GPS -4 x B&G FFD displays in cockpit (two rebated in mainsheet island) -4 x B&G 20/20 displays on the mast in carbon bracket. -Panasonic tough book dock for data logging etc- Tablet not included.</p>
Sail / Rigging	Sail Inventory	<p>North Sails inventory includes: -3Di Main with C Tech battens (2011) -3Di Self Tacking (2014) with FF torsion forestay -3Di Light Air (2014) with FF torsion</p>

forestay
-Code 0- furling
-A2 gennaker- top-down furling

Mast / Rigging

Carbontech fractional, 3-spreader carbon mast with Future Fibres EC-3 carbon-composite standing rigging, all running rigging and running backstays. The mast has a Ronstan mast track and cars to retain the mainsail and a carbon box boom with 1 reef set up and hydraulic boom vang which is controlled via Navtec panel on the mainsheet island. The mast and boom were stripped and re-painted in 2017. Lazy-jacks and boom bag suitably contain the mainsail and allow for easier handling short-handed and there is a carbon, retractable bow sprit for flying sails.

The headstay (removable) is Future fibres composite, non-torsion stay with KZ Rigging furler. Multiple headstay/sail combinations for different conditions. See sail description.
