

43 ft 2002 Catana 431, TONIC  
 US\$325,000 Tax: Paid  
 Cardinal, Virginia, United States



**Boat Details**

Make:	<b>Catana</b>	Class:	<b>Catamaran</b>	Cabins:	<b>3</b>
Model:	<b>431</b>	Hull Material:	<b>Fiberglass</b>	Heads:	<b>2</b>
Year:	<b>2002</b>	Drive Type:	<b>Sail Drive</b>	Fuel Type:	<b>Diesel</b>
Length:	<b>43 ft</b>	Beam:	<b>24 ft</b>	Max Draft:	<b>7 ft 2 in</b>
Price:	<b>US\$325,000</b>	Boat Location:	<b>Cardinal, Virginia, United States</b>		
Condition:	<b>Used</b>	Name:	<b>TONIC</b>		

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## Description

TONIC, designed by C. Barreau, is a Catana 431, hull number 41, built in 2002. Her first owner kept her in the Mediterranean and North Africa, and she came across the Atlantic in 2012. The current owner bought her in 2013 and has sailed her between his home in Virginia and the Lesser Antilles many times.

She is a performance catamaran, of 43.0' LOA, with twin daggerboards and a shoal draft of 2' 7". With the boards down she draws 7' 3". Her beam is listed as 24'. Her listed dry weight is 16,755 lb.

She was constructed using light-weight materials including Twaran/Kevlar cloth at high-impact areas, and foam coring. She uses vinyl ester resin so there is no possibility of osmosis or gelcoat blistering.

The interior finishings are also of foam core, with wood veneer, for strength and lightness. The cabin soles are cored also, with synthetic teak veneer.

## Information & Features

### 2002 Volvo Penta MD2040 (Engine 1)

Type:	<b>Inboard</b>	Power:	<b>40 hp</b>
Fuel Type:	<b>Diesel</b>		
Drive Type:	<b>Sail Drive</b>		

### 2002 Volvo Penta MD2040 (Engine 2)

Type:	<b>Inboard</b>
Fuel Type:	<b>Diesel</b>
Power:	<b>40 hp</b>

### Dimensions

LOA:	<b>45 ft</b>	Max Draft:	<b>7 ft 2 in</b>
LWL:	<b>8 ft</b>		
Beam:	<b>24 ft</b>		

### Weights

Dry Weight:	<b>16,755 lb</b>
Displacement:	<b>16,755 lb</b>

### Seating

Seating Capacity: **8**

### Tanks

Fuel:	<b>92 gal</b>
Fresh Water:	<b>79 gal</b>
Holding:	<b>18 gal</b>

### Accommodations

Cabins:	<b>3</b>
Heads:	<b>2</b>

## Other

Hull Shape: **Catamaran**

Flag Of Registry: **United States**

## Accommodations

TONIC is laid out in the Owner's Version with the starboard hull for the owner. It has a large head area with walk-in shower area, washer/dryer and food storage area, a chest of drawers, a seat, and a hanging locker outside of the cabin itself. A panel swings out to give privacy to the hull occupants from the central salon.

The port hull is laid out with two double cabins, although the aft cabin can be converted into two singles. There is also a head with shower. Both the port forward cabin and the shower area in the starboard hull have opening ports in the hulls so that air can circulate while at anchor, with no danger of rain entering. There are no overhead opening ports that must be closed to prevent rain from entering the cabins.

The mattresses on all berths are supported by lattice wooden frames that allow circulation of air and prevent moisture from accumulating, keeping the berths dry and cool. There is considerable storage beneath all the berths in the boat. Also under the aft berths are the water-heater storage tanks.

The salon seats eight, and has a pedestal table that folds out for all to dine, but folds up for more space and access to the settee. Drawers for cutlery and glasses are located in the pedestal. The six house batteries and additional storage space are located under the settee. There is LED lighting throughout the boat.

Pressurized hot and cold water in gally sink, and in sinks and showers in both heads, plus shower on stern. Two separate freshwater pumps.

In total, there are 12 opening hatches or windows for light and ventilation throughout the boat. Windows in the accommodation have insect screens and blackout covers.

## Cockpit

The cockpit has two helm stations, aft in each hull. Engine and transmission controls for both engines are in the starboard helm, and allow the boat to turn in its own length. The autopilot is also located at the starboard helm. Steering is by rack and pinion, with excellent feedback. Each helm also has a compass for hand steering and the wheels have leather covers.

The main winch is a two-speed electric Harken 48.2 STA aft in the cockpit, on the centerline. Halyard, topping lift, outhaul, and luff lines and leech lines all run under the cockpit and come up to spinlocks at this winch. This one winch thus controls all of the lines running under the cockpit, keeping the cockpit clear. The boat has a total of 22 Spinlocks.

The main sheets are controlled by 46.2 STA Harken two-speed self-tailing winches. These winches can also be used to control lifting and dropping the dinghy. With two main sheets, one sheet can control the boom and the other can be used as a vang to tighten the leech. Running, one sheet can let out the main and the other can be used as a preventer.

Two 48.2 STA Harken two-speed self-tailing winches control the genoa sheets, with travellers.

Two Harken 44.2 STA two-speed self-tailing winches control the daggerboards and the spinnaker sheets and guys which are run under the deck.

There are also two large hatches in the sole of the cockpit, opening onto deep lockers. Normally, these lockers are used to store cleaning supplies, dinghy equipment, jerry-jugs, etc.

The cockpit has settees port and starboard, with two on port adjoining the table, and cushions for the settees.

There is a folding chair in one of the "garages" up forward that allows another person to sit at the table, easily allowing dining for four. Cockpit curtains are provided on both sides and aft for protection from sun and rain.

Large gas locker for two 20-lb propane tanks (not included), and hoses and additional equipment. A portable stainless Steel BBQ grill can be used in the cockpit, with propane from the 20-lb tanks. Tank connection has meter and can switch tanks.

Manual bilge pump handles are located inside the cover of this locker.

## Sails

807 Sq. Ft. mainsail, new 2021, with 3 reefing points and lazy jacks adjustable from the mast. Sail cover.

495 Sq Ft. roller-furling genoa, new 2016.

900 Sq. Ft. (approximate) Code 0 (Screecher) on roller furler.

1,400 Sq. Ft. symmetrical triradial spinnaker with turtle, sheets and guys. Easily deployed by short-handed crew.

## Rigging

Espace Composite carbon fiber mast for strength, low weight, and reduced pitching in high seas, 17.6 meters ( 57' 7"). Air draft: 64'.

All stainless-steel stays and shrouds standing rigging replaced 2015.

TONIC is designed to be lifted by her chainplates.

One Harken 40.2 STA two-speed self-tailing winch on the mast, with Spinlocks.

Two spare halyards

Bowsprit.

## Tankage

Two freshwater tanks of 300 liters (79 US gallons) each  
Two diesel tanks of 350 liters (92 US gallons) each  
Two holding tanks of 68 liters (18 gallons) each  
Two 5 U.S. gallon jerry-jugs for reserve diesel fuel.

## Deck Layout

New trampoline installed in 2021.  
Screens cover the salon windows for privacy; easily removed. Not for use while sailing.  
Two storage lockers near mast step for stowage of anchor and rode, spare anchor and rode, dock lines,  
Forward of the living areas in each hull are large garages that act as storage areas for additional sails, fenders, lines, and in the starboard hull a motor mount to secure the outboard engine on long passages. There is also a 11' folding passerelle or stern gangway with partial handrail located in the port garage. Each of these garages has a 24" by 24" hatch, with ventilation.  
Two large cleats on each bow, Midships cleat on each hull. Two large cleats and one smaller cleat aft on each hull.  
Swim ladder and hot and cold water faucet on port steps aft.  
Double safety lines, seats forward, and gated opening on each hull.

## Galley

Force Stainless Steel stove with four burners and oven.  
200 liter refrigerator, thermostatically controlled, with baskets for easy access of most-used items.  
100 liter freezer, thermostatically controlled, with ice-cube trays.  
Two sinks with hot and cold fresh water, and separate salt-water outlet  
Water overflows into the sink when water maker has filled the tanks.  
Overhead cabinetry for dishes and foodstuffs.  
Storage under the countertop for storage of pots and pans.  
Large trash receptacle under countertop, accessible from cockpit.  
Sliding plexiglass window for ventilation.  
Xintex gas fume detector and gas solenoid valve control  
ON/OFF switch for water maker.

## Electric/Electronics

6 house batteries, 630 Amp-hours, installed August, 2016, with redout of state of charge and voltage and amperage.  
5 X 140-Watt solar panels (total of .7 Kw) with Blue Sky Solar Boost 3000i, showing charge and battery state and with Blue Sky Solar Boost 1524iX charge controller.  
Kisae Abso Inverter/Charger 2000: 110 VAC/60 cycles and 110V shore power cord  
Mastervolt Inverter/Charger Combi 12/2500-100 sinewave inverter/battery charger combination, 230 VAC/50 cycle and 220v shore power cord  
Masgervolt Masterlink MICC inverter/charger control, with display for amperage, voltage, and time remaining  
Blue Sky Solar Boost 1524iX and 3000i solar power controllers.  
Extension cords for both 110VAC and 220VAC.  
1.6 Kw Fischer Panda diesel gen-set, 220V 50 cycle, located in port engine room, Model 18W430, approximately 530 hours, controlled by Mastervolt Mass Inverter/Charger Control and display.  
Spare circuit board for distributed power system.

## Instrumentation

Vesper Watchmate AIS (Automatic Identification System) with in and out capabilities, programable, integrated with B&G Multi-function Display (MFD) but can also stand alone, with display.

B&G Zeus T7 Multi-function Display (MFD) connected to wind, GPS (Lowrance Simrad B&G GPS heading sensor installed under master berth), etc. with Navionics chip for North America and the Caribbean.

Furuno marine Radar Models 1715 and 1712.

B&G Thru-hull retractable speed and depth sensor, in stbd hull.

Two Simrad/B&G Triton multi-page programable instruments located on centerline aft of saloon.

Fuel gauge, selectable for port or stbd tank. Interconnect valve.

House water gauge, selectable for port or stbd tanks. Interconnect valve in port engine room.

B&G mast-head wind sensor for speed and direction.

Two mast-head visual wind indicators.

## Mechanical Propulsion

2 X Volvo Penta 3-cylinder MD2040 engines, with Volvo "S-drive" MS25S with 2.47:1 reduction ratio.

2 X Flexofold three-bladed folding propellers.

2 X Stripper Propeller Protectors

Racor 500 fuel filter for each engine, in addition to on-engine fuel filters.

## Communications

Mounted VHF radio, with masthead antenna and "splitter" for AIS.

ICOM M-802 AAB radio with ICOM AT-140 automatic coupler/tuner and KISS-SSB Ground Plane Counterpoise

18 ft SSB deck-mounted SSB antenna

SCS PTC-III USB Pactor Modem for high-seas email ("sailmail") using SSB

Vesper "Watchmate" Automatic Identification System, "in" and "out", listed under instrumentation

Dual MXCP44 AM/FM tuner, USB player, with speakers in cabin and in cockpit; adjustable for fade and balance.

## Anchoring/Docking

55 lb Rocna anchor, on 200' of 7/16" chain and 100' of 3/4" three-strand for primary.

Lewmar Concept/Ocean 1500 watt electric capstan with wired remote.

Secondary anchor: Spade # 100: 44 lb. with 26 ft. of 7/16" anchor chain and 150 ft. of 3/4" three-strand.

45 ft X 2 bridle with SS eyes, SS shackles and SS snapshackle

1 spare SS chain grabber, SeaDog brand

2 X 8" X 27" fenders, new

5 X 8" X 27" fenders

1 X 7" X 28" fender

140 ft new 5/8" blue line with black fleck

245 ft of 5/8" black line

210 ft of 5/8" three-strand with SS snapshackle

2-part folding passarelle with partial hand-rails for tying stern-to

## Sterns

Synthetic teak on steps, new 2021. Hot and cold Shower on port stern. Swim ladder on port stern. Two large cleats on each stern, one inboard, one outboard, plus smaller cleat inboard on each stern for total of six cleats.

## Watermaker

Spectra 380C Water maker, 15 gallons (US) per hour (rated), located in port engine room, presently "pickled".

## Safety

Boat is unsinkable, with water-tight bulkheads forward of the accommodation and forward of the engine rooms.

6-man offshore Plastimo TransOcean liferaft, inspected November, 2016.

EPIRB, 406 MHz, Safelink brand, Sportpro model. Registration expires 5/21.

SPOT personal communicator/locator, never registered.

Emergency tiller stowed in gas locker in cockpit, can be mounted on either stern.

Two jack lines

c. 1 dozen thru-hull plugs of various sizes

Flare kit

9 offshore-style life jackets

8 harnesses and leashes

4 electric bilge pumps, two manual bilge pumps

## Disclaimer

The Company offers the details of this vessel in good faith but cannot guarantee or warrant the accuracy of this information nor warrant the condition of the vessel. A buyer should instruct his agents, or his surveyors, to investigate such details as the buyer desires validated. This vessel is offered subject to prior sale, price change, or withdrawal without notice.

