

Traveler

Catana 471



Specifications

Year:	2001 (Hull #27)	Sail area downwind :	244 sqm (2,626 sqft)
Length, overall :	14.30 m (47')	Engines :	2 x 60 HP
Length, waterline :	13.80 m (45.3')	Water :	800 L (2 x 400 L)
Maximum beam :	7.70 m (25.3')		211 US gal (2 x 105,5 US gal)
Displacement, empty :	10,000 kg	Fuel :	800 L (2 x 400 L)
Draft, boards up :	1.00 m (4')		210 US gal (2 x 105 US gal)
Draft, boards down :	2.30 m (7.6')	Refrigerator :	200 L (7 cubic feet)
Mast clearance :	21.50 m (70.6')	Freezer :	100 L (3.5 cubic feet)
Mast length :	19.50 m (64')	Tonnage :	41,62 Tons
Sail area upwind :	148 sqm (1,625 sqft)		

Construction

The two outer hull molds and one inner hull/bridgedeck mold are vacuum bagged using vinylester resin, cored with PVC closed cell foam with unidirectional cloth for outer laminate and Twaron aramid cloth for inner laminate.

The separately molded daggerboard trunks are laminated to be seven times stronger than the daggerboards. All 21 structural bulkheads are cored with Nidacore honeycomb core with carbon fibre on both sides. The spade rudders have self-adjusting JP3 bushings with Lecomble and Schmidt dual hydraulic steering.

The deck/coachroof is a one piece mold, vacuum-bagged using vinylester resin, cored with Nidacore honeycomb with unidirectional cloth for outer laminate and Twaron aramid cloth for inner laminate, and molded diamond pattern non-skid decks.

The deck to hull joint is bonded by fiberglass creating a seamless waterproof and rigid structure.



*EC approved construction, A category (Ocean)
Unsinkable : vacuum bagged sandwich throughout
Construction : TWARON® Impact Process
Rigging : Black Fiber System, carbon fiber mast
Limited structural warranty : 10 years*

Engines

Located aft in each hull with access via moonlight transom hatches. The engine rooms are extremely well insulated for sound and well ventilated for heat and fumes. The port and starboard engines have approximately 3000 hours as of March 1st, 2013. The engines have been meticulously maintained and services completed at Volvo recommended intervals.

2x Volvo Perkins 60hp @ 3400 RPM	2x Mastervolt 3 stage Voltage Regulators
2x Volvo Saildrive Transmissions	2x External Coolant Reservoirs
2x Volvo Three Blade Folding Props	2x Racor Fuel/Water Separators
2x 60 Amp Volvo Alternators	2x Volvo Fuel Filters
2x 120 Amp Mastervolt High Output Alternators with Volvo Mounting Rack	2x Vetus B700 Dual Single Lever Controls @ Starboard Steering Station

In addition, Traveler has a Diesel DC Generator installed in the starboard engine room. It is used to charge batteries and run high load AC equipment through the inverter. It has a total of 400 hours on it and was installed in March of 2005. It has its own battery switch and a Balmar 3 stage voltage regulator.

Sails and Rigging

Traveler has been upgraded from the base model with Incidence Spectra Sails. Her rigging is a black carbon system with carbon fibre mast. Much of her rigging has been upgraded from the base 471 model. Traveler has had full annual rig inspections and all winches serviced.

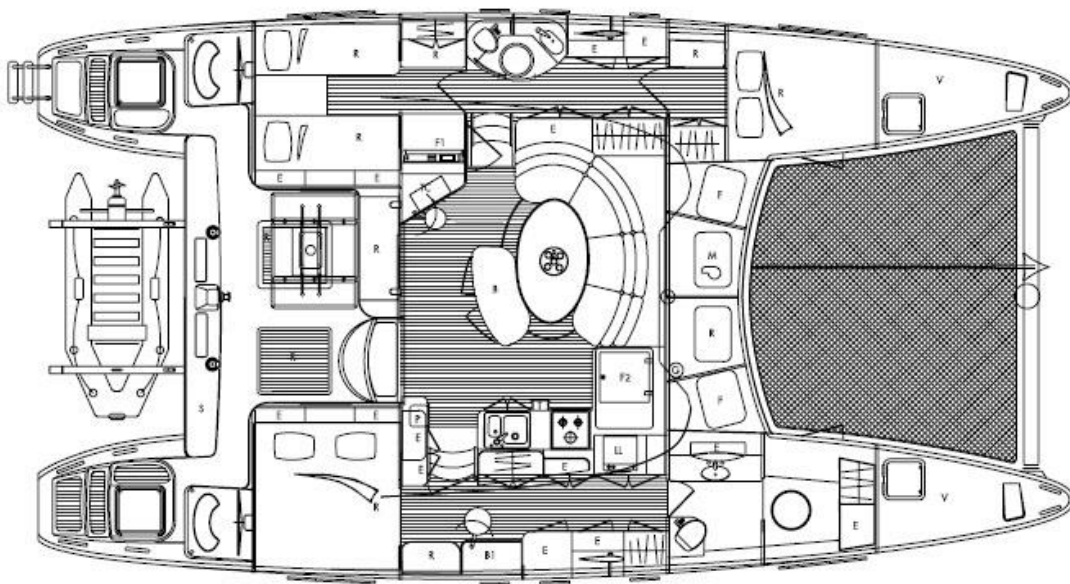
- 7/8 Sloop rig with Single spreader diamond standing rigging
- White Espace Composite Carbon Fiber Mast
- Whit JP Marachel Aluminum Boom
- Incidence Spectra Full Batten Mainsail (reinforced 2005) with Lazy Jacks and Cover
- Spectra 150% Genoa with Foam Luff and UV Protection
- 1.5 oz Symmetrical Spinnaker with Sock
- Harken Two Speed Electric Primary Winches
- Harken Two Speed Electric Mainsail Utility Winch
- Harken Two Speed Manual Secondary Winches
- Harken Mainsail Batcar System
- Profurl Roller Furling Headstay
- Spinlock Rope Clutches
- AeroMax Racer Automatic Safety System
- Upgraded 16 millimeter Shrouds with Improved Tangs
- Halyards and Reefing lines in Spectra
- Sheets in Polyester Double Braid
- Upgraded Latches and rubstrakes on all exterior storage lockers



Electrical System

Equipped with 12VDC and 110VAC wiring utilizing an electrical panel of switches wired to circuit breaker boxes in various locations throughout the vessel to save weight and prevent an electrical fire from damaging the entire electrical system. The solar panels are mounted on top of the hard top bimini.

- 8x Siemens 55W Solar Panels with Voltage Regulators in Engine Rooms
- Victron Energy Phoenix Multi 12V 2500VA/120AMP Inverter Charger (currently is set to 110AC) (New 2004)
- Phoenix Multi Remote at Navigation Station
- 4x AGM 260AMP Batteries (new 2009) with 1040AMP hours
- 2x Optima Batteries with 230AMP hours
- 3x 12v Interior Outlets
- 8x 110V Interior Outlets
- Watercooled Kubota DC Generator with 140AMP High Output Alternator with Balmar 3 Stage Regulator (new 2005)
- Starter Panel for DC Generator with Automatic Shutdown system
- Upgraded cabling for improved efficiency in charging of Batteries (new 2005)
- Link 1000 Battery Monitor
- 140AMP High Output Alternators with 3 stage regulators on Main Engines (new 2004)
- 240VAC to 110VAC Stepdown Transformer
- 110VAC to 240VAC Stepup Transformer
- One 240VAC Inlet and One 110VAC Inlet at Starboard Aft Transom
- One 240VAC Dock Cable 50ft
- One 110VAC Dock Cable 50ft
- One 12v USB charger wall plug



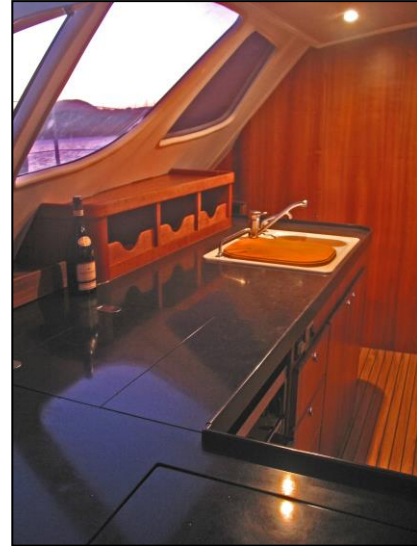
Accommodations

Traveler is the Catana Prestige interior layout, similar to the 472 model. It is a dark cherry wood veneer (preferred for tropical climates) with Teak trim throughout. It is foam cored Oberflex maintenance free. All lighting is 12v and ceiling fixtures have been upgraded in 2005 with Cantaloupi frosted lighting and LED bulbs. Bridgedeck ceiling is Macro Suede covered Biplax ceiling. The cabin sole is a no maintenance synthetic teak.

Bridgedeck Accommodations

Galley is L shaped to starboard with Black Corian countertops, two sinks with hot/cold pressure water available from either tank and a fresh water foot pump. There is a Force 10 Stainless stove with three burners, oven/broiler and remote solenoid connected to a 20lb Aluminum Propane/butane tank (with spare tank) in vented locker with pressure gauge.

There is a top loading 7 cubic feet 12v refrigerator with air and water cooled compressor and hydraulic support arm, and a 3.5 cubic feet front-loading freezer with air and watercooled compressor. The galley has extensive counter space with storage below and shelves outboard. There is a Moonlight hatch for ventilation.



There is a dishwasher installed hidden underneath the galley sink.

Saloon

The saloon is centered around a large Oval shaped settee forward and aft facing with extensive storage below. There is an Oval dining table with liquor storage in the pedestal. There is a kidney shaped settee forward facing with a liquor cabinet and extensive storage underneath. A reading light has been installed under the Moonlight ventilation hatch. A black Hella-Turbo 2 stage fan and 12v outlet is also located between the Saloon and Galley.



The saloon settee and all interior benches and stools have re-upholstered with Macro Suede treated fabric in 2006. There are also a number of new matching throw pillows. There is a hidden storage compartment aft facing which is plumbed and wired for a second drink fridge or icemaker.

Navigation Station

The Navigation station is located to port and faces outboard with electronic controls, electrical distribution panel, chart table with stool and storage. The nav station has been extensively upgraded since purchase.

- B&G Hydra Autopilot @ Starboard Steering Station with Hydraulic Ram
- B&G Remote Autopilot with outlets at Nav Station and Port Station
- B&G Hydra FFD @ both Helm stations, Navigation Station, AND Master Stateroom
- B&G Hydra 20/20 @ Cockpit Bulkhead
- B&G 360 Analogue wind angle indicators at both Helm Stations
- B&G Close Hauled Analogue wind angle indicators at both Helm Stations
- B&G LCD Elite Chart Plotter
- B&G GPS Self contained Antenna
- Furuno 821 24 mile radar with Mast Mount Radome
- Icom 710RT SSB Radio with 130 Antenna Tuner and whip antenna
- Icom M402 VHF Radio with Remote Command Mic at Starboard Helm Station
- SiTEX AIS Radar Display System
- Easy Splitter VHF/AIS antenna router
- WIFI NMEA data broadcast with USB output to deliver all boat data to tablets, iphones, and computers.
- 3 NMEA Output serial cables containing all B&G data, Autopilot data, and GPS data.
- Mounted touch screen computer on custom swivel to Display all Navigation data and electronic charts (also supports Cable TV, Antenna Broadcast TV, Auxiliary Inputs, and DVD Playback)
- NMEA multiplexer/amplifier



Entertainment Systems

The saloon, cockpit and net area are served by an extensive sound and entertainment system. Speakers are located in the cockpit, underneath the saloon settee, and in the forward lockers for the trampoline. They can all be managed by the AXIS 12V stereo with Auxiliary input capability (for Ipods and DVDs) and can play CDs, Radio, and MP3s. There is also a Windows 8 Touch Screen computer on a custom swivel mount prewired for DVD, Video Camera, Cable TV, and HDMI input. All devices have stand alone infrared remotes. Cable TV outlets are located at the Electronic Panel, Master

stateroom, and Kitchen. There is a mast mounted Omni Max TV antenna. The master stateroom and guest room also have Televisions connected to 12v stereos and ceiling speakers.

Cockpit

The cockpit is an L shaped seating area to port with a large folding teak table (new), inboard facing bench seating area to starboard, and port/starboard steering stations aft and outboard. Easy access to both transoms via walk thru aft crossbeam. A magma Newport barbeque is connected directly to the boat butane system.

There are two large teak covered cockpit lockers and one large cockpit seat locker. At the base of the mast are four lockers. All lockers have been upgraded with new stainless latches. The cockpit has a suncover for the aft and two side covers. This is a black semi transparent cover. The bimini has 8 upgraded LED lights and there is a red cockpit light located under the mainsail winch for night based passages. Cockpit cushions are of white leatherette and closed cell foam (new).

Starboard Hull Accommodations

Midship Passageway has three large drawers, bookshelves, and two large wardrobe lockers outboard. Inboard is a Hotpoint 240v washing machine, four large wardrobe lockers and companionway steps to the bridgedeck with a privacy door. Teak hooks are also provided for clothing.



Master Stateroom has a queen berth (6'6" by 6'6") with a large storage area below, and a long shelf inboard. There is a small double shelf located on the outboard side for drinks and small items. There is a Sony stereo system located beside the berth with ceiling mounted Alpine speakers. Two reading lights and an overhead light, as well as an AC outlet and cable TV outlet are all readily available. There is a large, opening moonlight sea view portlight with built in mosquito screen/sun shade on the outboard side and a small moonlight ventilation port which opens to the cockpit. A B&G FFD display is mounted on the ceiling at the foot of the berth. A two speed Hella Turbo fan is located on the aft bulkhead for improved ventilation. A teak hook is located on the forward bulkhead.

Forward Head Compartment has a large molded shower stall with hot/cold pressure shower, teak grate and sump pump, plus a wet locker and linen locker, and drying rack. Aft is a Jabsco electric toilet with holding tank and tank level indicator with Y valve for overboard discharge. The countertop is white molded corian, with hot/cold pressure water, mirror with lighting, and vanity with lower shelving. There is a moonlight sea view portlight outboard with built in mosquito screen/sun shade and a moonlight escape hatch with mosquito screen and sun shade for inboard ventilation.

Forepeak has additional sail storage and hanging dry net for wet gear ventilation. There is a light for nighttime access.

Port Hull Accommodations

Forepeak has storage for all fenders, boarding ladder, and docklines. Racks have been installed (new 2004) for easy organization and storage of all equipment, including a light for nighttime access.

Forward Stateroom has a slatted double berth (6'6" by 4'6") with large storage area below. Outboard is a dressing seat with storage below and inboard are two wardrobe lockers. There is a moonlight seawiew port light outboard with built-in mosquito screen/sun shade and one moonlight escape hatch inboard with mosquito screen/sun shade for ventilation. There is a Hella fan and reading light located on the aft bulkhead. Alpine stereo with remote and ceiling mounted speakers.



Midship Passageway has a head compartment for guests, bookshelves, and hanging locker outboard. Inboard are two hanging lockers, two storage lockers, and companionway steps to the bridgedeck.



Head compartment has a Jabsco manual toilet with holding tank and Y valve for overboard discharge. There is a molded vanity with hot/cold pressure water and hand held shower with teak grate and sump pump. There are two moonlight port lights for ventilation. There is a holding tank level indicator and macerator switch located on the counter.

Aft Stateroom has a queen berth (6'6" by 6'6") with a large stereo below, which easily converts into two single berths. Outboard at the foot of the berth is a dressing seat and one hanging locker. The Icom SSB

is located under the berth and the Spectra Watermaker panel is located across from the hanging locker. There is a privacy door. A Hella Turbo fan and two reading lights are located on the aft bulkhead, and there is an AC outlet located on the bookshelf. A TV with remote is mounted on the aft wall. Ceilings in all staterooms are new 2012.

General Equipment

- Spectra 380c 12v Watermaker with test tap and tank selection valves located at galley sink. Operation switch is located in the galley.
- Composite hardtop bimini with side and rear curtains
- Swedish bow pulpits with teak seats
- Vinyl covered double lifelines surrounding the boat
- Two boarding gates and two transom gates
- Hot/Cold Transom shower
- Stainless swim ladder with teak steps
- 11' aluminum folding gangway
- Two Quick hot water heaters (AC and Engine operated)
- Two Jabsco pressurized water pumps with accumulator tanks and filters with crossover valves
- Tricolor mast head light
- LED Anchor light
- Deck Level running lights
- Combination steaming/deck floodlight
- Eight docklines, two anchor bridles, eight cylinder fenders, and two bubble fenders
- Quick 1500W Anchor windlass with remote control
- Delta 88lbs Anchor with upgraded swivel and 350ft of galvanized chain
- Spare Delta 55lbs Anchor
- Instant butane hot water system in port
- 150ft of additional anchor rode
- Freshwater deck washdown in forward locker with hose access to entire boat
- White Aluminum davits with spinlock rope clutches
- Sheet clutches
- Fishing rod mount
- Isotherm exterior saloon window covers
- UV treated Trampoline (New 2011)
- Six Par automatic bilge pumps
- Two Plastimo manual bilge pumps
- Catana general spare parts kit
- Catana Owner's manual and gear instruction manuals



Safety Equipment

- Plastimo Eight person liferaft
- Horseshoe lifering with strobe
- Strobe located underneath bridgedeck
- Life jackets
- Fire extinguishers
- Kannad Automatic 406 EPIRB
- Flare kit
- Aeromax Racer Automatic Sail Safety System



Tenders

- One Yellow Euro New Zealand Dinghy (New 2005) 3.85 meter with hypalon tubes, double aluminum flooring, anchor locker, bow cushion and sprit
- Center console with Hydraulic steering
- 30 hp Mercury Outboard with 25 litre fuel tank
- Icom VHF 402 radio and electric bilge pump
- Lifting hardware and lines (new 2006)
- Stainless delta anchor
- Two surf ocean yak kayaks
- Custom kayak mounting rack



Traveler has extensive stores of spare parts for the engine, generator, rigging and electrical systems. Inventory list available upon request.

