

# PAPILLON

CATANA 431

INVENTORY AND SPECIFICATIONS



**“PAPILLON”  
CATANA 431**



**SPECIFICATIONS**

Length, overall:	13.10m (43.02')	Sail area, downwind:	202sqm (2174 sqft)
Length, waterline:	12.80m (42.04')	Engines:	2 x 40 hp
Maximum Beam:	7.30m (24')	Water:	800L (2 x 400 L)
Displacement, empty:	8000kg (17,640lbs)		158 US gal (2 x 79 US gal)
Draft, boards up:	0.80m (2.6')	Fuel:	700L (2 x 350 L)
Draft, boards down:	2.20m (7.2')		184 US gal (2 x 92 US gal)
Mast clearance:	19.50m (64')	Refrigerator:	200L (7 cubic ft)
Mast length:	17.60m (57.8')	Freezer:	100L (3.5 cubic ft)
Sail area upwind:	118sqm (1,270 sqft)	Tonnage:	35,64 Tons

LAUNCHED June 2003

DESIGNER: Christophe BARREAU

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

Twenty Years of research and sailing experience has provided CATANA the image of unrivalled seaworthiness and a legendary reputation for building a solid, comfortable, high performance catamaran.

## **CONSTRUCTION**

CATANA Catamarans are built entirely of sandwich construction under vacuum. The core of the hulls and bulkheads is made from PVC foam with a density of 75kg/m cubed and minimum thickness of 20mm. The core of the decks, platform and coach roof is made with foam up to 40mm thick.

21 structural bulkheads, cored with honeycomb and reinforced with carbon fiber assure the integrity and long life of the CATANA.

The separately molded dagger board trunks are laminated to be seven times stronger than the dagger boards.

The hull and deck of a CATANA are as solid as they were cast in one piece. A CATANA will keep its shape with exceptional rigidity, not only because it is of totally sandwich construction, but also because it is reinforced by a unidirectional material which bears all the strain of bending and twisting.

The construction process, combining several top of the line technologies, guarantees an unrivalled long life for your CATANA, and an excellent re-sale value.



## **ENGINES**

Papillon is powered by 2 VOLVO inboard 40HP Diesel engines. Perfectly soundproofed and totally separate from the accommodations.

2 Sail drive transmission systems

2 folding three blade propellers

2 electrical engine control panels with sights and alarms

Diesel filters / decanters

Engine controls at starboard helm station

MASE 2.5 KVA Generator

Both engines recently serviced.

Inventory of engine spares

## **SAILS AND RIGGING**

Sails by Incidences-

72 sqm (775 sqft) fully battened mainsail in Dacron, triple stitched and globetrotter finish.

Mainsail boom bag with lazy jacks

46 sqm (495 sqft) Genoa with rollerfurl in Dacron, triple stitched and Globetrotter finish with flattening system and UV Protection.

Geneker Sail on Bowsprit with roller furl and UV protection. New 2007.

130 sqm (1400 sqft) Symmetric spinnaker

Asymmetric spinnaker



Papillon's rig has been upgraded from the standard CATANA 431.

Carbon Fiber mast by AluCarbon, white lacquered with spreaders.

Mast foot on ball and socket

Mainsail Harken batten car system

Windex and double wind vane on masthead

Stainless steel rod forestay

3 diamonds in stainless steel rod

2 shrouds in white covered stranded stainless steel

Aluminium bow sprit and bob stays

White lacquered aluminium cross beam

Deck projector and navigation lights

Radar and antennae support

## **RUNNING RIGGING**

2:1 purchase spectra mainsail halyard

Adjustable lazy jacks

Spectra Genoa, Spinnaker and Geneker halyards

Automatic reefing system for mainsail from cockpit

Spectra reefing lines

Mainsail and Genoa sheets

Complete spinnaker gear

## **DECK EQUIPMENT**

Pro Furl Genoa and Geneker roller furling gear

All Harken self tailing winches in black aluminium-

- 2 Genoa sheet winches 48,2 STA
- 1 Electric mainsail halyard and reefing winch 48,2 STAE
- 2 Mainsail sheet winches 44,2 STA
- 2 winches for dagger boards and furlers 40,2 STA
- 1 winch for headsail halyards 40,2 STA

Spinlock rope clutches

Complete deck gear in Harken quality fittings

Mainsail double sheeting system

18 opening hatches for ventilation and light

10 large deck cleats

Deck toe rails and handholds in solid teak

2 fore pulpits with teak slatted seats

2 lifelines with white covers

8 stainless steel stanchions

1000 L/H Sea water deck pump

1600 watt Lewmar electric windlass

3 sets of ground tackle- 20kg Delta anchor / 15 kg Delta anchor / 7.6kg aluminium  
foblight anchor

Stainless steel swim ladder with teak steps

Complete teak transoms with engine room access hatches

Cockpit deck shower (hot and cold)

Cockpit Bimini hard top with built in halogen lights

Teak cockpit table

Canvas cockpit enclosures

Closed cell cockpit cushions

White transom davits for tender with spinlock stoppers

3.5 m hard bottom Zodiac tender with 15hp Yamaha outboard



**TECHNICAL EQUIPMENT**

**ENTERTAINMENT**

Sony surround sound DVD / FM / CD Stereo system with MP3 input  
2 interior and 2 waterproof external Sony 60 W speakers plus subwoofer in saloon  
LCD TV with aerial and signal booster

**WATERMAKER**

Spectra 12 V (DC) electric watermaker  
60 L / Hour (16 us gal / hour) capacity

**HEATING**

Erberspacher diesel burner / water heat exchanger unit with outlets in both hulls and saloon

**PLUMBING**

2 x 400L water tanks  
2 independent pressurized freshwater pumps with accumulator  
2 water heaters, 20L (5.3 US gal). 800W 220V AC plus engine exchangers  
2 holding tanks (US approved) 68 L each with gauges and alarms

**ELECTRICAL**

2 Sonnenschein maintenance free 115 AH engine start batteries  
6 Sonnenschein maintenance free 115 AH house batteries (690 AH)  
Electric remote relay  
Alarm for battery discharge  
Mastervolt combi automatic battery charger, 100amp, high freq / 220v inverter DC/AC  
Auxiliary 110v 500VA Inverter  
Complete 12V / 220V electrical functions panel  
Fuel and water gauges  
Digital ampmeter and voltmeter  
8 BP Solar 80 W Solar panels – flush mounted (4 extra)  
2 x 60 amp alternators  
Waterproof 220 V shore power AC inlet with extension lead  
4 x 12 V interior outlets (3 extra)  
7 x 220 V interior outlets (2 extra)  
4 x 12 V cooling fans  
MASE 2.5 KVA Generator charging at 100amp DC



**ELECTRONICS**

Complete navigation package by Brookes and Gatehouse Hydra 2000.  
Functions include- Log, speed, depth sounder, alarms, wind vane, anemometer, VMG, water temperature...



1 FFD repeater at chart table  
1 giant multifunction repeater in cockpit  
2 analogical wind repeaters in cockpit  
1 FFD repeater in owners cabin  
SIMRAD Auto Pilot with control at starboard helm station  
FURUNO GPS with NMEA link to PC navigation system  
FURUNO M 1712 Radar with 24 mile range interfaced to GPS  
VHF Shipmate Radio  
SSB Radio, Tuner and whip antenna  
Pactor 3 Modem for Weatherfax and e mail  
McMurdo MOB system with MOB transceiver watch and receiver in owner cabin  
Intruder Alarm System

**SAFETY EQUIPMENT**

Fully equipped with all appropriate safety equipment for 6 people including liferaft.  
CATANA Catamarans are built to Category 1 Ocean safety and are labeled "unsinkable".  
2 x liferings with lights and Danbuoy  
Throwing Line



**ACCOMODATION****MATERIALS**

All furniture is made of foam cored sandwich, ultra light and rigid.

All floors are in foam sandwich, teak veneer with black grooves (maintenance free)

Cabinet work and inner planking in Bassam wood veneer (maintenance free)

All trims are in laminate teak

All ceilings are isothermal and ultra light

Halogen lighting throughout

Canadian Maple wood throughout

Corion surfaces in galley

**SALOON**

Located on the upper bridge deck the main saloon is focused around the spacious folding dinette and opposite the open plan galley.

Generous storage compartments under the saloon dinette and well ventilated with opening doors to the aft deck and port holes in the fwd windscreen. The Main saloon boasts panoramic views at all times.

Saloon cushions covered in Alcantara

Halogen lighting with dimmer switch



**CHART TABLE**

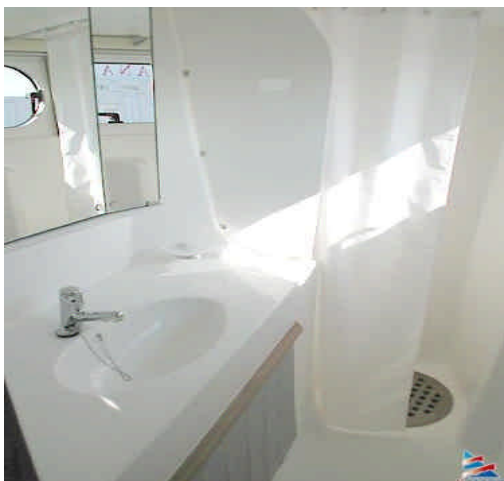
Table with storage  
All navigation and radio communication equipment  
12 VDC and 220 VAC Outlets  
Nav Station PC monitor and keyboard

**GALLEY**

The fully equipped galley faces aft through sliding doors to the main cockpit.  
Generous storage compartments  
Stylish Corion bench tops  
200 L Refrigerator and 100 L Freezer with hull exchangers  
Taps with ceramic seals- freshwater mixer and sea water taps  
Drain tap for watermaker  
Stainless steel Force 10 three burner gas stove and oven

**OWNERS STATEROOM**

The starboard hull is totally dedicated as the owners cabin  
Large double bed aft (1.9m x 1.75m)  
High resilient Bultex foam mattress  
Light and ventilation through 2 port holes with mosquito screens and roller blinds  
Halogen lighting  
Large hanging locker plus extra drawers  
B&G instrument repeater  
Exceptionally large head with separate shower, washbasin and WC  
Moulded stall shower with teak grating



**GUEST CABINS**

Located Aft and Fwd Port

Double bed convertible to 2 singles in aft cabin

Double bed FWD

All beds on slatted bases

High resilient Bultex foam mattresses

Wardrobe and cupboard in each cabin

Light and ventilation through giant portholes with fly screen and shutters

Port bathroom with basin shower and WC

**GENERAL**

Papillon is a very well maintained 2003 CATANA 431 that has had only one owner and been cruising extensively.

Fully optioned for comfort and short handed sailing this Catana is ready to set sail once again.

No expense spared on maintenance with the hull recently polished, antifouled, engines serviced and new Geneker and trampoline fitted.

Full navigation equipment, safety equipment, tender and a list of optional extras ensure this boat is great value.

