

CNB 117 - 2005



**In 2006 the CNB 117 CAPRICORNO (ex HAMILTON II) received the
INTERNATIONAL SUPERYACHT SOCIETY award for
"BEST SAIL & DESIGN 23-36M"**

Designed by Philippe Briand, one of the world's best naval architects, with an interior design by the renowned designer Andrew Winch. In 2017/18, Capricorno underwent a complete refit. She is ranked by RINA (Registro Italiano Navale), her maintenance is assured by a full-time crew of three.

The yacht is ready to sail with no work anticipated.

Capricorno was built to satisfy VERITAS and MCA requirements. As a result, she can be registered as a commercial yacht.

ASKING PRICE 6,200,000 Euros VAT paid

LOCATION: LA SPEZIA - ITALY

LAFOURCADE/YACHT BROKER

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MAIN CHARACTERISTICS

- Architect Philippe Briand
- Interior Designer Andrew Winch Design
- Construction material Composite carbon/Glass/Balsa/Vinylester
- Year of built 2005
- Class R.I.N.A.
- Length overall 35,66m / 117'
- Length at water line 32m / 103'
- Beam 7.94m / 26'1
- Draft 3.50m/5.0m / 11'5/18'
- Ballast 30 t / 64,000 lbs
- Displacement light 97 t / 213,000 lbs
- Cruising speed 11.5 knots
- Maximum speed 13.2 knots

- Mast height 43.58m / 143'
- Solent jib 288.0 m2 / 3,100 sq. ft
- Jib 183.0 m2 / 1,970 sq. ft
- Mainsail 286.80 m2 / 3,390 sq. ft
- Gennaker 430.0 m2 / 4.630 sq. ft
- Asymmetrical spinnaker 800 m2 / 8 611 sq. ft
- Storm jib 75 m2 / 807 sq. ft

- Fuel capacity 2 x 3.217 l / 850 gal. + 1 x 500 l / 132 gal.
- Fresh water capacity 4.000 l / 1057 gal.
- Grey water capacity 500 l / 132 gal.

MAIN EQUIPMENT

- Main engine MTU 6R183 TE72 - 415 CV @1900rpm (**1,860 h**)
- Propeller BRUNTONS 4 folding blades
- Steering system Chain/cable
- Bow thruster MAX POWER R450/34
- Water-maker SCHENKER 2 x 200 l/h / 55 gal/h
- Spars HALL SPARS M40R Carbon fibre - 4 spreaders
Canoe boom
- Standing rigging ECSIX CARBON FIBER (2016) revised 2021
- Running rigging MAFIOLI Spectra/Vectran
- Genoa furler RECKMAN RF90/5R7 hydraulic
- Stay sail furler RECKMAN RF90/5R7 hydraulic
- Gennaker furler CARIBONI Hydraulic

- Winches LEWMAR 8 hydraulic winches

• Deck hardware	CARIBONI	2 MAGIC TRIM (for main sail sheet)
• Anchoring	LEWMAR	
	MUIR	2 x VRC6000 hydraulic 120m / 390' of 16mm / 5/8" chain 2 CQR anchor 136 Kg / 176 lb
	MUIR	2 docking capstans VC4000 2 hydraulic retractable anchor davits
• Generators	KHOLER	2 x 28 kW 220V 50 Hz – (2,060 and 2,060 h)
• Donkey	STEYER	1 x 90 KW (for hydraulic power only)
• Engine room ventilation	CEM	3.400 m3/h / 120,000 cu ft/h (IN-OUT)
• Air conditioning	FRIGOMAR	608NT chiller inverter technology, brushless DC 220V/1ph/50Hz (40,000-62,000 BTU/h)
• Batteries	LITHIUM	24V - 2160A/h
• Battery charger	MASTERVOLT	4 x 100 A/h
• Toilets	TECMA	Electric, SILENT LINE
• Wastewater treatment	HAMANN	Super Mini

1.1 Galley equipment

• Stove	DE DIETRICH	Induction
• Oven	MIELE	Electric
• Range hood	MIELE	900 m3/h / 32,000 cu. ft/h
• Micro-wave oven	BOSCH	
• Laundry washer	MIELE	
• Laundry dryer	MIELE	
• Dish washer	COMENDA	BHC433, 3 min/cycle
• Refrigerator	FRIGOMAR	600 l / 21 cu. ft
• Freezer	FRIGOMAR	500 l / 17,6 cu. ft
• Water heater	PACIFIC	1 x 170 l / 52 gal. + 1 x 130 l / 40 gal.

1.2 Accommodations

- Guest:
- Main salon/dining area for 6/8 persons
- 1 owner cabin, aft, with ensuite bathroom and private companionway
- 1 guest cabin with twin beds
- 2 double guest cabins with twin beds, ensuite bathrooms
- Crew:
- 1 fwd skipper's cabin with double bed and bathroom
- 2 fwd crew cabins with one bathroom
- 1 crew mess
- 1 Galley port side

1.3 **Deck**

- Teak deck
- Central cockpit with two tables starboard and port
- Deck fridge and ice maker
- Sunbathing area with cushions
- Aft hydraulic swimming platform
- Aft helm cockpit
- Tender garage under aft deck

1.4 **Sails by North**

- D4 Vectran/Carbon mainsail
- D4 Vectran/Carbon staysail
- D4 Vectran/Carbon Solent jib
- Dacron storm jib
- Cuben fibre Gennaker
- Asymmetric spinnaker Airx 900
- Spinnaker sock

1.5 **Awnings/Dodgers**

- Main and crew companionway dodger
- Central cockpit foldable Bimini
- Awning

1.6 **Paint**

- AWLGRIP process

1.7 **Electronics**

- 1 B&G HYDRA 5000 (2019)
- 4 Indicators 20X20 LCD in cockpit
- 1 Indicator FFD in skipper cabin
- 1 Pack HALCYON GYRO
- 1 GPS FURUNO GP -170
- 1 RADAR Furuno NAV-NET 3D type MPU-001
- 1 Mini gyro for ARPA and overlay
- 1 Auto pilot SIMRAD MODEL AC80S
- 1 SSB FS 1570 SMDSM - 150 W - 24V DC- 1,6 to 27,5 MHZ
- 1 VHF DSC type RAY 230
- 2 VHF handset for crew mess and helm station
- 1 VHF DSC class A, SAILOR 6222, at chart table
- 1 NAVTEX NX 500 GMDSS FURUNO

- 1 INMARSAT CAPSAT fleet 33
- 1 INMARSAT C
- 1 FLEET B/B 250 TELEPHON
- WI-FI
- AIS FA-170 (FURUNO)

1.8 Computer

- PC #1 Chart table - For communication
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- 15" TFT LG colour screen - 1280X768 - TCO99
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- Wireless keyboard & mouse
- Microsoft Office PME XP (Excel, Word, Publisher & outlook)
- MAX SEA time zero
- MAP MEDIA electronic charts

1.9 Miscellaneous:

- Printer / Scanner/fax HP -220V - 1200x1200 px
- HP Deskjet 450 colour for captain laptop
- NAS FOR BACK UP

1.10 Monitoring:

- Monitoring software for main engine, tanks, and navigation information

1.11 Entertainment

Each cabin with CD/Radio stereo Fusion with 2 speakers

Saloon:

- 1 Samsung 40" smart tv with remote controlled lift
- 1 LINN CD / DVD player
- 1 Home Cinema speakers (2018)
- 1 pair of waterproof speakers for central cockpit

Owner's cabin:

- 1 LCD 40" Samsung smart tv
- 1 LINN CD / DVD player
- 1 Home Cinema speakers

Crew mess:

- 1 LCD 23" LG screen
- 1 fusion DVD & Radio player

1.12 Miscellaneous

- Semi rigid tender Novurania, 80HP, in aft garage

1.13 Safety

- Radar Transponder Rescuer
- COSPAS-SARSAT
- Precision barometer
- Safety equipment Comply with MCA & RINA

CAPRICORNO WORK LIST PERFORMED IN 2015-16 REFIT

Complete NDT scan of the whole hull, structure, deck, mast, boom, rudder, and available parts, performed by QI composites, leading NDT company in marine industry. No defects or anomalies were found.

All works were performed by top quality suppliers constantly supervised by crew and project managers.

INTERIORS

Owner's Cabin Aft

Refit of the interiors with modification of the cabin layout to the original outfit with a desk, keeping the double bed on PS and transforming the bed on SBS in a sofa-bed.

Remaking of the ceiling layout, including decoration beams and panels

Creation of the original "walk-in dressing" on SBS and of a bedlinen and towels walk-in wardrobe with access from aft corridor.

Supply and installation of new safe. MD Saloon

Remake of all sofa's cushions Galley & Crew Corridor/Mess

Re-varnishing of all floors

Modifications and refit of some storage areas General (All Areas)

Re-lacquering of the white lacquered surfaces, where damaged, Re-varnishing of the veneered surfaces where damaged

Re-upholstery of all the walls, outboard, bed headboards and sides panels with new fabric Lining all the handrails with new leather.

Renovation of most of the cabinet's hardware

ELECTRIC SYSTEM

Complete overhaul of the on-board system which included new wiring, revised switchboard, new PLC, new tank sensors.

New battery pack of SSKW lithium battery by Mastervolt with Mastervolt management system in dedicated compartment, ventilated and climate controlled as requested by best practice.

New generators 32KW Kohler

New transformer for dock charge, new cables, review, and restoration of main hatch entrance by Rondal restoring all functions and safety, new led lights throughout the boat, reinstate of the fire alarm system and relative control PLC, reinstate of all dometic functions and controls.

ELECTRONICS (NAVIGATION)

New B&G hydra system, new speed and depth sensors, new electronic compass

New 40/40 mast displays.

New Radar Furuno

On board Wi-Fi system

New Maxsea software, new on-board PLC with SSD

New VHF according to Rina requirements, SSB, general revision of all system and upgrade as required.

HYDRAULICS

Complete removal of the existing system

revision of all the components by Cariboni and Rondal including furlers, magic trim etc, new manifold, pumps cooling system, all hoses where changed to new ones, the new system is in load sensing mode, hydraulic pumps on each generator connected with a clutch, power pack and back up manual system for sailing only commands, pressure sensors throughout the system to control loads and pressure.

Installation of a 4th engine, Steyr 4 cylinder; dedicated to hydraulic supply, to be used in docking manoeuvres or racing to allow for multiple simultaneous requests with no loss of pressure and supply, ready to go second Reckman furler and swivel for J4 (IFS), reinstalling of Gennaker furler on extreme bow.

SANITARY AND WATER SYSTEM,

Complete revision of Hamann system for black and grey water sanitation, all hoses where changed, Sani split serviced or replaced, new hot water boilers.

Revision of two dessalinisators including new membranes, revision of UV water sanitation, revision of all pumps and connection, overhaul of all tanks. New Air con system by Frigomar with two new machines inverter type, review of all fan coils and air ducts.

Revision of all fridge and freezers.

Revision of washing machine, laundry machine, cooking stove, extraction system from kitchen fumes.

All pumps where either revised or changed to new by G&R.

ENGINE ROOM,

The complete engine room was emptied.

New plumbing

New modular extraction system

New general layout with main engine

Two twin gen set Kohler 32Kw,

New gen sets support.

New aluminum floorboards

All new electric controls

Complete new sound insulation of entire engine room,

Revision of firefighting pump and system.

MAIN ENGINE,

The engine was removed, dismantled, sand blasted, repainted, and completely rebuilt to original parts and tested on approved test bench.

Variable pitch propeller was removed and new 4 blade Bruntons folding propeller installed, new PSS through hull and shaft, new shaft bearing.

ZF gear box was removed and sent to ZF for complete rebuild to original parts, bench tested at ZF factory.

New electronic controls of engine by ZF.

GEN SET

Two new Kohler 32KW EFOZD 50 Hz single phase generators, with clutch and PTO

MAST AND RIGGING,

Revised FEA analysis by HALL SPARS to confirm rigging sizes.

EC6 new standing rigging carbon from Future Fiber

Mainsail halyard lock installed by Hall Spars, with proximity sensor for full hoist.

The complete mast was stripped and checked, parts serviced and reinstated as new.

Boom was upgraded with reef locks, proximity sensors, new outhaul ram, preventer sheave box was moved to better location.

DECK EQUIPMENT

Complete removal and inspection winches serviced and worn parts replaced.

jammers with new jaws, ceramic

New winch switches

Service of anchoring and docking systems

New inflatable seals where needed.

New air system

New gas spring for Rondal hatches and seals.

Bow thruster complete service by manufacturer Max Power.

KEEL SYSTEM

Complete removal of keel and lifting equipment, keel removed from bulb, cleaned back to bare steel, all welds Xray inspected, faired back to original profile from Briand Design, 3D scan to internal shape of keel trunk, cylinder revision, anchoring chainplate reinforced and inspected, re installed of new locking pin (removed by previous crew), new position sensors and lifting pads, adjustment of tolerances and lift and drop speeds.

HULL

New paint work using AWL GRIP system, below waterline was removed from all previous paints, long boarded and 2 coats of Hull Guard applied, new VC offshore antifouling applied, new zincs.

STEERING AND RUDDER

Rudder blade was removed from rudder stock, stock was NDT inspected, a new female moulded rudder blade was laminated using original plans of Briand and Gurit laminates in pre preg carbon.

New steering heads by Cariboni, chains and cables, new rudder lower bearing by JP3 and complete service of upper bearing

ENTERTAINMENT SYSTEM

New TV screen in main saloon, owners' cabin, and crew quarters.

Installation of NAS 3 x 2 Terabytes discs divided in entertainment, owner private and yacht management.

New Fusion radio and speakers in guest cabins

New sound system in main saloon.

Reinstallation of original sound system in owner cabin. WIFI connection divide by areas.

TENDER

Novurania 4.9 m new floaters

New electric system, fuel system, steering system

New cushions,

New 60 HP Evinrude outboard engine

New VHF

SAILS

Complete new set of North Sails carbon/Dyneema sails:

Main full batten 3 reefs

Main Jib on furler

Solent/J4 on hanks

Storm Jib on hanks

Code 60 by Incidences was reinstated on furler.

Various downwind sails ready to be used.

CNB 117 WORK LIST PERFORMED IN 2020-21 REFIT

- ✓ Complete removal of keel and lifting equipment, cleaned back to bare steel, all welds Xray inspected, faired back to original profile from Briand Design, cylinders revision.
- ✓ Overhaul of the rods (every 5 years) and change of the carbon shroud protections from a 5 year warranty to a new 10 year warranty (tex-ten).
- ✓ Change of sheets and halyards.
- ✓ Overhaul of engine and generators
- ✓ All the elements of the engine room are revised by the technicians every year.

CNB 117 CURRENT WORK LIST FOR 2022/23 WINTER MAINTENANCE

- ✓ Bow thruster overhaul
- ✓ Engine and generator overhaul
- ✓ Annual overhaul of all engine room components
- ✓ Overhaul of the Reckman furling jib system
- ✓ Change of the staysail cable.
- ✓ Overhaul of winches and blocks.

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ACCOMMODATION LAYOUT



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