



MODX 70

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MODX 70

Sustainable Sailing, Reimagined

MODX 70 is a 21.33 m sailing catamaran created by Couach around a 100% renewable-energy concept, combining wind propulsion, electric propulsion, hydrogeneration and solar power. Her avant-garde design is supported by VPLP Design for naval architecture and structural calculations, while bio-sourced and recycled materials contribute to an environmentally focused construction approach with refined contemporary character.

Inside, MODX 70 offers more than 185 m² of living space, with a 54 m² saloon delivering 360-degree panoramic views, a private lounge, dining for 10, a top-of-range galley, bar, refrigerated wine cellar and built-in home cinema. The optional 20 m² owner's suite and flexible guest accommodation are complemented by environmentally friendly air conditioning, extensive lighting and carefully specified onboard fittings.

Exterior living centres on a 45 m² shaded deck area and a 35 m² foredeck, supported by shade sails, twin swim ladders, tender handling equipment and comprehensive deck hardware. Two automated 100 m² Aeroforce inflatable wings, a 70 m² solar array, 250 kWh battery pack, variable-pitch propellers, bow thruster and integrated navigation systems create an advanced sailing platform designed for distinctive performance and autonomy.





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MODX 70

Specifications

LENGTH: 21.33 m / 70' 0"

BEAM: 10 m / 32' 10"

DRAFT: 2 m / 6' 7"

AIR DRAFT: 4.6 m

MAST CLEARANCE: 23 m

FLAG: TBD

LOCATION: France

YEAR: 16 months to build

BUILDER: Couach

ACCOMODATION: 8 guests in 4 cabins

CREW: up to 3 crew in 2 cabins

PRICE: €8,000,000 Ex VAT

General Information

TYPE: Sailing Catamaran

CONSTRUCTION: Bio-sourced and recycled composite materials; glass / carbon / linen / PET & PVC / epoxy resin

INTERIOR DESIGNER: Ocean Development / Couach

EXTERIOR DESIGNER: VPLP Design

ENGINES: 2 x 220 kW electric motors

ELECTRIC CAPACITY: 250 kWh

WATER CAPACITY: 1,200 L / 318 US Gal

GROSS TONNAGE: 30

CRUISING SPEED: 15 knots @ 20 knots of wind

MAX SPEED: 18 knots @ 20 knots wind

RANGE: 110 nm @ 5 knots engine autonomy; wing autonomy unlimited

CLASSIFICATION: CE A/B/C/D

Description

Accommodation Overview:

Owner

The optional owner's suite provides a private 20 m² retreat centred on a 160 x 200 cm bed, with a bathroom, separate toilet and a generous TV lounge or private office. That additional room can also serve as a cabin for two people, adding flexibility while environmentally friendly air conditioning supports comfort with optimised energy consumption throughout the accommodation area.

Guests

The guest area is arranged as two cabins for four people, with an aft cabin offering a 160 x 200 cm double bed and a central cabin configurable with two 80 x 200 cm single beds or a double bed. Guests also benefit from a bathroom with full ocean views, a separate toilet and environmentally friendly air conditioning on board.

Crew

Capacity for 2/3 crew members complements accommodation for 8/10 passengers, supporting the MODX 70's flexible onboard arrangement and the relaxed, carefully considered living experience created throughout this innovative sailing catamaran.



Machinery Details

Main Engines:

Electric motors: 2x 20 kW

Propulsion: Electric

Variable-pitch propellers: 2x DMC SuperSigma 24/48V 600A

Other Machinery:

Bow thruster: 1x Sleipner ERV210/250TC 48V

Steering system: 1x JEFA

Steering wheel: 1x Nautex, 800 mm diameter

Air conditioning: 2x Frigomar 10,000 BTU/h monoblock systems

Technical room ventilation: 2x SPAL 019-BBL377P/R/N-95

Cabin ventilation: 2x Giot

Water makers: 2x SLCE Aquabase ESW-902

Water heaters: 2x Quick Nautic Boiler B3 80 L

Rain water collector: Custom filtration system

Water pressure systems: 2x Gianneschi Idro Ecolnox 20 L - 24V

Toilets: 4x Planus Stilo Standard

Bilge pumps: 8x Rule 1100 Auto, 70 L/min

Water collector: 2x 400 L capacity



[Video](#)

Generators

Battery bank: 250 kWh, 48V; 32x MG LFP 304 Ah
Shore charging: 6x Victron Multiplus-II 48/5000/70-50
Solar panels: 70 m² Activesol; 15 kWp
Hydrogeneration control: 2x MADController
Hydrogeneration output: 3 to 10 kWp depending on speed; up to 60% energy mix
MPPT controllers: 21x Victron SmartSolar 150/70
Inverters: 2x Victron Multiplus-II 48/10000/140-100
48V-24V converters: 6x Victron Orion Tr 48/24-16
24V-12V converters: 4x Victron Orion Tr 24/12
Energy management: 4x Victron Cerbo GX
Energy management displays: 4x Victron GX Touch
AC management: 2x CZone AC Output Interface
DC I/O management: 2x CZone Combination Output Interface
DC output management: 4x CZone Output Interface
DC input management: 2x CZone Signal Interface

Communication & Navigation Communication Equipment

VHF: 1x B&G V60 with antenna and H60 wireless handset
Onboard telecommunications: 1x Thalos Oceanbox
Satellite communications: 1x Starlink maritime modem and antenna
4G/5G communications: 1x Teltonika RUTX50 modem

Navigation Equipment

Navigation computers: 2x Bora 4 Premium Intel i5
Engine control: 1x Emerson OS III R417003816
AC/DC control display: 1x CZone 10" display
Helm displays: 3x B&G Zeus S 7"; 3x B&G Zeus S 12"
Navigation and energy manager: 2x MAD Brain Box
Wind sensors: 2x B&G WS310 with MAD Mast
3D motion sensor: 1x MAD Motion Box
Autopilot drives: 2x Raymarine Type 2 Long Stroke Linear Drive 24V
Autopilot HW control: 2x MAD Controller - Madintec
Autopilot software and Safe Mode: 1x Madintec
Autopilot interface: 1x MAD Interface
Autopilot remotes: 2x MAD wireless Receiver/Emitter
Analog acquisition module: 1x MAD Digital Interface
Autopilot compass: 1x B&G Precision 9
GPS: 1x B&G ZG100
Radar: 1x B&G HALO20+
Navigation lights: 5x Mantagua NaviPro
Cameras: 6x B&G IP CAM-1
Barometer: 1x B&G barometric pressure sensor
Depth, speed and water temperature: 2x Airmar DST810 Multisensor
AIS transponder: 1x B&G NAIS-500 Class B with GPS-500 antenna

Security, Fire Fighting & Safety

Life rafts: 2x Plastimo Transocean 9650-1, 6-person
Safety equipment package: 1x Plastimo offshore equipment
Technical room fire protection: 2x Firepro System / lithium blanket
Habitation extinguishers: 10x ABC 2 kg with detector
Smoke and heat detectors: 4x Orbis Marine

Deck Equipment

Outdoor deck: 45 m² shaded area with flexible aft sundeck and lounge areas
Foredeck: 35 m² with sun loungers and water-sports storage
Foredeck access: 2x glass doors
Composite platform: Glass / carbon / linen / PET & PVC / epoxy resin
Keels and rudders: 2x glass / carbon
Primary anchor: 1x Ultra Marine Inox 60 kg; 60 m x 14 mm chain
Secondary anchor: 1x Rocna Galva 33 kg; 30 m x 14 mm chain
Windlass: 1x Quick Regal RG5 3000 W 48V
Tender crane: 1x Atlas Davit 3000
Swim ladders: 2x Osculati Top Line Inox 316, 4 steps
Gateway: 1x Nautex
Cleats: 8x Nomen Alu 400
Mooring ropes: 2x 20 m + 2x 15 m, 30 mm polyamide
Safety-line padeyes: 6x Seasmart SL20x
Padeyes: 14x Wichard Inox 316, 8 mm
Fenders: 6x Plastimo, 90 cm x 30 cm
Stanchions and lifelines: 10x Goyot Sport'Al + custom
Shade sails: 4x Seasmart systems + custom sails
Interior deck flooring: Esthec synthetic decking
Exterior deck flooring: Esthec synthetic decking
Adjustable outdoor table: Custom MODX, retractable 24V
Outdoor sofa and bean bags: Vincent Sheppard / Maison de Vacances
Outdoor pads and cushions: All Purpose custom / Maison de Vacances

Tenders & Toys

Highfield tender: 3.4 m; 6 persons; Torqeedo 10 kW electric motor
Tender autonomy: 2 hours
Tender safety equipment: 1x Plastimo

Entertainment Equipment

Home cinema: Built-in
TV screen: 1x 65", 230V, 100 W
Owner's suite: Large TV lounge
Lighting system: 32x Quick Marine Lighting

Domestic Equipment

Fridge/freezer: 1x Bosch KIV86VS30, 191 L + 76 L
Fridge: 1x Electrolux LRB3AE88S, 142 L
Wine cellar: 1x Avintage AVU27TDZB1, 18 pcs
Cooking table: 1x Bora X Pure
Oven: 1x Brandt BOP7534B, 73 L
Dishwasher: 1x Smeg STL62324LFR1, 8.5 L
Washing machine and dryer: 1x Siemens
Kitchen worktop/bar: 1x Corian
Kitchen sink fitting: 1x Elka H2Pure 316563
Dining table and chairs: 1x Custom MODX

Sails & Rigs

2x Aeroforce AF100 automated retractable inflatable wings, 100 m² each
Retractable mast, balestron and head: 2x glass / carbon
Inflatable airtight wings: 2x patented fabric
Wing sensors and machinery: 2x Aeroforce
Automation: 1x Aeroforce/Madintec
Wing system: Retractable on telescopic mast; automated wing control
Reefing: Automatic according to wind direction and strength

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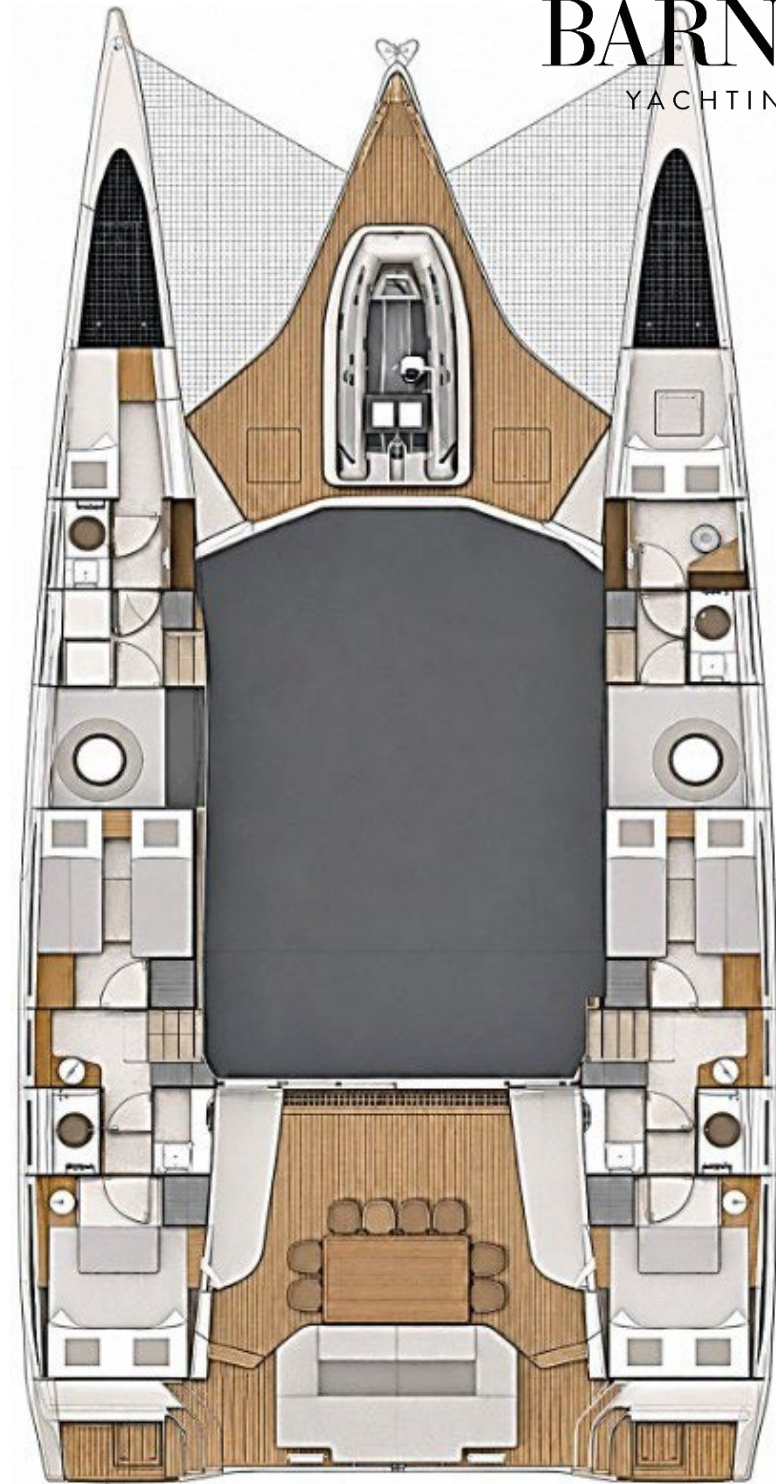
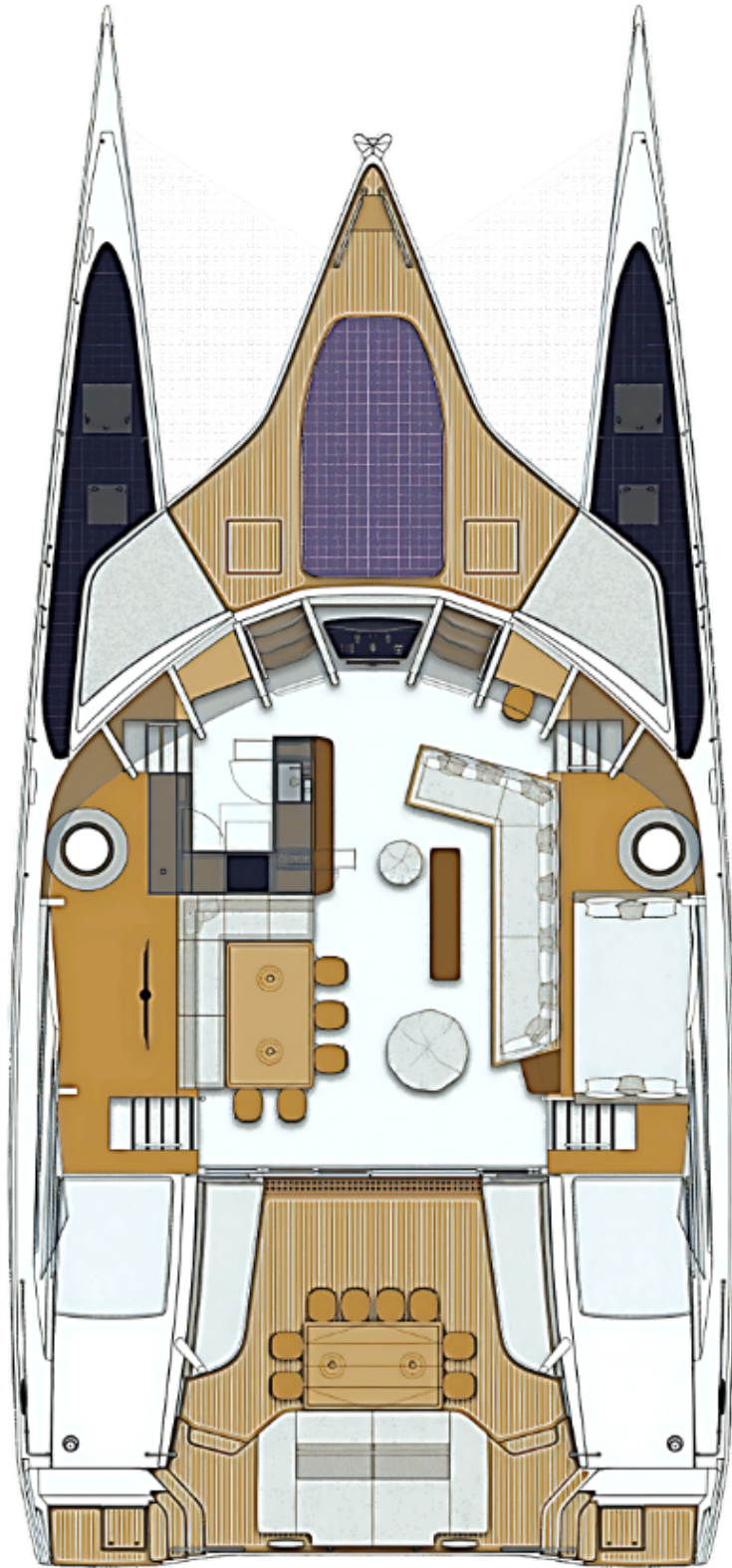
Vessel
Details

Guide Price: €8,000,000 Ex VAT
Length: 21.33 m / 70' 0"

Built: 16 months to build
Location: France

Crew: Up to 3
Propulsion: 100% Electric

Disclaimer: These particulars have been prepared by Barnes Yachting from information provided by the sellers and are intended as a general guide to the vessel. Barnes Yachting cannot, however, be liable for any inaccuracy. It is up to the purchaser to confirm details of concern to him by survey, inspection and/or enquiry of the seller and to ensure that the purchase contract properly reflects his concern and specific details upon which he may rely. Barnes Yachting will always advise an independent survey.



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INNOVATION FOR SUSTAINABLE YACHTING

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Clean technology, renewable energy, and smart design for a more sustainable way to sail.

NET ZERO CARBON IMPACT

126 tonnes

of CO₂ avoided per year
the equivalent of 60 cars
traveling 15,000 km a year!



1. 100% ELECTRIC PROPULSION

Zero direct CO₂ emissions during operation.
Powered by a fully electric system designed for clean, quiet, and efficient navigation.



2. RENEWABLE ENERGY SYSTEM

Combines solar power, hydrogeneration, and wind assistance.
Maximizes onboard energy production and reduces dependence on external charging.



3. BIO-SOURCED & RESPONSIBLE MATERIALS

Use of bio-based and recycled materials to reduce environmental impact.
Lightweight, durable, and designed for long-term efficiency.



4. INFLATABLE WINGS

Retractable and automated wing system.
Improves aerodynamic efficiency and supports cleaner propulsion with intelligent control.



5. SOLAR POWER

Large solar surface integrated into the yacht.
Captures clean energy to supply onboard systems and support electric autonomy.



6. SMART & CONNECTED CONTROL

Intuitive dashboard with automated energy and propulsion management.
Advanced monitoring, connected diagnostics, and assisted navigation.



Designed to combine innovation, performance, and environmental responsibility.





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