

Majestic 530 Hybrid



Our latest Majestic 530 Hybrid marries the elegance and comfort of a luxury catamaran with the environmental benefits of a hybrid diesel-electric drive system. Designed for the modern sailor who values luxury, efficiency and sustainability. The Majestic 530 Hybrid offers enhanced fuel efficiency, reduced environmental impact and outstanding generation/re-generation capabilities, enhancing the overall sailing experience. With its spacious layout, stylish design, and innovative energy systems, this catamaran is not only perfect for blue-water cruising, but also an excellent choice for charter operations.

Hybrid Electric Power System

Experience the next generation of sailing with our new Majestic 530 Hybrid model, equipped with an innovative hybrid diesel electric drive system. The system comprises of two Yanmar 80HP diesel engines, and coupled to each engine are two x 10KW electric motors. The diesel engines provides the maximum power requirement for the vessel, while the electric drive is designed to match the boats mid range power needs.



Why choose a hybrid system:

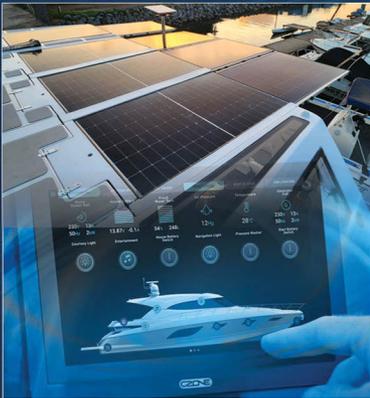
Using a hybrid system on a sailing catamaran offers several advantages, enhancing the overall sailing experience while promoting sustainability. Here are some of the key benefits:

- **Fuel Efficiency:** Switching between power sources reduces fuel consumption and extends the vessel's range.
- **Environmental Impact:** The reduced fuel usage leads to lower carbon emissions, thereby decreasing the environmental footprint.
- **Built in Redundancy:** Having both diesel and electric propulsion options provides greater reliability, versatility and redundancy.
- **Lower Maintenance Costs:** Electric motors generally have fewer moving parts compared to traditional engines, which can reduce maintenance requirements and costs over time. The hybrid system can also extend the life of the diesel engine by using it less frequently.
- **Enhanced Sailing Experience:** With the electric mode, sailors can enjoy the tranquility of the sea without the noise of running engines. This feature enhances the overall sailing experience, making it more enjoyable and serene. During sea-trials the Majestic 530 Hybrid maintained speeds of 6 knots using electric drive only.
- **Energy Regeneration:** Regenerating energy while sailing, using the movement of the propeller driven by the water to charge the batteries.

Hybrid Specifications (530/570/570Fly)

6400W Solar Field

Sail sustainably with Royal Cape Catamarans! Our latest vessels are equipped with a 6400W expandable solar field, integrated into a sleek new bimini design. With an advanced BMS (battery management system) for efficient power use and bifacial panels to maximise solar intake, we're setting new standards in eco-friendly luxury at sea. This new bimini design offers more covered area over the cockpit and includes dropsides. With the dropsides down, this totally encloses the cockpit and increases your all-weather liveable space.



C-Zone Technology

The new C-Zone management system on the Majestic 530 Hybrid offers an advanced, user-friendly interface for controlling and monitoring most onboard systems. This digital switching system allows you to manage the yacht's lighting, climate control, battery levels, and much more, all from a central touch screen or remotely via a mobile app. The C-Zone system integrates seamlessly with the vessel's electrical systems, providing real-time data and alerts to ensure optimal performance and energy efficiency. Whether you're adjusting settings for comfort or monitoring the energy usage, the C-Zone system simplifies operations, enhancing the overall sailing experience while contributing to the vessel's green energy goals.

LOA	16,23 M / 17,38 M 53'/57'
LWL	15 M / 16,42 M 49' / 53,87'
Beam	8,6 M 28'
Draft	1,4 M / 1,45M / 1,5M 4'6" / 4"75 / 4" 8"
Weight (dry)	21,1T / 22,1T / 23,1T 46517 LBS / 48722 LBS / 50926 LBS
Mast Height	22,7 M / 26,4 M / 27,2 74' / 86'6" / 89'23"
ICW Rig option	18,7M 61'35"
Water	1000L 264 Gal
Hot water	160L 42 Gal
Fuel	2 x 600 L 317 Gal
Holding tanks	400 L 105 Gal
Sail Area Main	Area: 90,5sqm/121,24 sqm 974 Sqft/1305 Sqft
Genoa	Area: 67,3sqm/85,15 sqm 724 Sqft/916 Sqft
Asymetrical (Option)	Area :126 sqm /190sqm 1357Sqft / 2044 Sqft
Screecher (option)	Area: 126 sqm /137 sqm 1357 Sqft / 1475 Sqft
Construction	GRP , Balsa core vacuum bagged
Configuration	4, 5 or 6 cabins Customised layout options

Inboard Diesel	Yanmar 2 x 80HP 4 JH80 / 2 x 10KW Hybrid MOTORS
Communications	VHF with command mic
Navigational	Chartplotter, GPS, radar, autopilot ,fishfinder
Watermaker	150Lph 40 Gph
Power	Czone backbone House battery bank - 86 kW @ 48v Start batteries - 2 x 140 Ahr at 12VDC 10000w inverter 240 v 5000w 120v 16 x Panels @6400 W
Toilets	Electric
Galley	Oven & hob, fridge, freezer, convection microwave & dishwasher. Crockery, cutlery and glassware included
Cockpit	Fridge, freezer, washer/dryer and ice maker Linen and soft furnishings included.
Recreation	50 "Smart TV Salon 32 " Smart TV main cabin Sound system Salon and cockpit
Tender	3,1m with 15 HP motor
Air Conditioning	Aircons in all cabins

Safety Category A

Specifications subject to T&C's (October 2024)



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