

8.5m Explorer Catamaran

Master Technical Specifications & Website Copy Reference

The 8.5m Explorer Cat represents a major evolution in multi-mission marine platforms. Engineered to serve as a high-speed sports fisher, luxury day boat, ski platform, or ultra-capable superyacht tender, this vessel features built-in structural hull frame lifting strakes and heavy-duty tow-rated hooks for effortless deployment. Delivering unmatched stability and tracking, its advanced 2026 hull configurations include a reverse bow layout that translates to up to 20% more effective performance.

1. HULL ARCHITECTURE & GENERAL SPECIFICATIONS

Featuring an advanced hydrodynamic design, this platform boasts an enhanced high-strength hull architecture capable of carrying motorbikes and utility toys on the forward deck. The integrated heavy-duty beach landing gate is ruggedly engineered to let you drive vehicles directly on and off when beached.

Length Overall	8.50 meters
Beam / Width	2.80 meters
Hull Material	Premium Marine-Grade Aluminum (5083 Grade)
Design Configuration	2026 "Sleek" Catamaran Hull with integrated Wave Splitter engineering
Structural Reinforcement	Fully welded under-skin and robust Centre Nacelle structure
Transom & Yacht Lifting	Radius stepped transom paired with full-length hull-integrated lifting strakes for superyacht crane operations
Exterior Finish	Fully painted in Marine 2-Pac; unique curved hull side profiles wrapped for high-end aesthetics
Access & Safety Gates	Front beach-landing gate, dual forward wheelchair-accessible side entry gates, and an automatic push-button lowering rear swim/water platform
Toy Storage Integration	On-deck jet ski tracking rails rated exclusively for a 2-seater Sea-Doo Spark/Trixx or a small aluminum tinny boat
Mooring Hardware	6 x Flush-mount heavy-duty mooring cleats (3 positioned on each side)

2. PROPULSION & PERFORMANCE ENGINEERING

Standard Propulsion	Mercury 200HP 4-Stroke premium outboard engine
Performance Upgrade	Optional factory upgrade to a 250HP outboard unit available for increased velocity bounds
Vessel Speed Velocity	Reaches speeds of **28 to 37 knots** fully loaded due to specialized 2026 hydrodynamics
Alternative Motor Brands	Yamaha, Honda, or Suzuki configurations provided smoothly upon request
Warranty Protection	Comprehensive 5-Year manufacturer warranty across all propulsion installations
Steering & Handling	Multisteer hydraulic tilt helm paired with a premium Gussi Italia marine steering wheel

3. FUEL & FRESH WATER INFRASTRUCTURE

Integrated Fuel System: 600 Liters total fuel capacity built straight into the dual-hull compartments (300L split on each side). Features an optional upgrade to fit an additional 200-liter reserve auxiliary tank. Plumbed with top-tier Vetus fuel lines, water-fuel separation filters, and high-precision SIC Elettronica level sensors.

Fresh Water Management: Outfitted with a standard 160L fresh water tank (upgradable to a 320L underfloor configuration), driven by a Xylem HD5 high-pressure pump and Vetus/Barka plumbing lines. Features a stainless steel galley sink with a foldable mixer tap and an electric hot/cold transom shower. Fully compatible with optional Tecnicomar watermakers and includes a Webasto continuous-flow 25L water heater.

4. ADVANCED ELECTRICAL ARCHITECTURE & SOLAR

Engineered for high-draw off-grid capability and reliable power distribution using industry-leading Mastervolt power architecture:

- **Battery Infrastructure:** Mastervolt MLI Ultra Lithium-Ion batteries featuring advanced active internal cooling.
- **Solar Generation:** Dual high-output 1100W solar panels connected directly via a Mastervolt SCM60 MPPT charger.
- **Alternator & Dock Charging:** Mastervolt ChargeMaster 12/100-3 smart charging module featuring native CZone integration.
- **Power Management:** Full onboard delivery handled by Mastervolt inverters and a centralized DC500 power distribution block.
- **Outlets & Shore Power:** 2 x 240V AC shore power outlets, 6 x 12V USB charging ports, and a heavy-duty 32A shore power dockside inlet protected by BEP marine-grade circuit breakers.

5. NAVIGATIONAL HELM & SMART VESSEL TECHNOLOGY

High-Tech Command Station: Available in both Right-Hand Drive (RHD) and Left-Hand Drive (LHD) configurations. Centered around a Simrad NSX 3012UW 12" ultrawide HD multi-function display with built-in GPS, sonar, and Wi-Fi. Features integrated Simrad HALO20 dome radar, a dedicated high-gain GPS antenna, marine VHF radio, an Active Imaging™ transducer, and a deep-water Airmar transducer.

Smart Automation & App Control: Standard smartphone app connectivity enables users to start/stop the engine, manage lighting zones, and monitor geofenced security tracking. CZone and Simrad networking allow optional cloud-based factory remote monitoring with dual-redundancy tracking handled by project managers. Optional upgrades include YouTube Live streaming subscriptions and live factory service support. Mercury hand-control docking joystick functionality is available as an optional add-on upgrade.

6. LUXURY AMENITIES, GALLEY & ACCOMMODATIONS

- **Premium Multi-Color Galley:** Scratch-resistant easy-clean benchtops available in multiple color paths with ample drawer storage. Fully equipped with a Kenyon dual-burner cooktop, electric galley grill, Indel Webasto fridge/freezer combo, a secondary drawer fridge, and an integrated icemaker. Mastervolt inverters effortlessly run extra galley gear like coffee makers. Custom soft blue LED strip lighting highlights under-bench and walkway areas.
- **Extended Rail BBQ:** Heavy-duty electric rail BBQ attached directly to the aft safety rails, featuring an extending prep table that increases total galley workspace by an impressive 70%.
- **Lower-Hull Bathroom Module:** A smart, private change room hidden in the lower hull structure behind a smooth sliding door. Includes a fully appointed hot-water shower, marine toilet, basin, and storage cupboards. When closed, the flat top surface of the door structural block serves as an extra food preparation bench, protected by a 1" safety rail.
- **Overhead Accommodation:** Standard 2-person double-bed camper tent pod mounted cleanly to the hardtop roof, accessed via an aluminum heavy-duty ladder. Accompanied by integrated kayak/paddleboard storage tracks on both sides of the roof line.
- **Convertible Daybed Lounge:** A lowering contemporary dining table finished in a clear natural woodgrain timber top is located forward. Includes a standard set of cushions that place over the lowered table to form an expansive daybed lounge. Custom forward waterproof canvas screens and central-raising pedestal tables are available to order.

7. DECK LAYOUT, SAFETY & SHADING

- **Flooring Layout:** Outfitted throughout with premium SeaDek non-skid marine flooring. Custom color combinations and laser-etched boat logos are available standard upon request (Premium synthetic teak finishes available as an upgrade option).
- **Aft Deck Wings & Rails:** Features "Tropicana" push-button hydraulic lowering rear side decks that fold out to create a vast, flat cockpit extension for water sports and entertaining. Protected by heavy-duty 2" painted 5083 aluminum safety rails, quick-clip safety ropes, a structural bait cutting board, and 4 x integrated rod holders per side.
- **Shading Infrastructure:** Manual front awning utilizing high-strength support poles (AMC carbon fiber poles available as an option). The rear deck features a SureShade RTX 4.5ft electric retractable awning engineered to stay securely open while cruising at speeds up to 8 knots, using Citel solution-dyed acrylic marine fabrics.
- **Deck Hardware & Storage:** Large wiring-free storage lockers positioned beneath all front and rear seating spaces. Includes 10 x integrated stainless steel drink holders, 2 x secure phone mounts, 2 x wireless inductive charging pads, and premium ROCA/Plastimo structural hinges.

8. SPORTS FISHING, ANCHORING & SAFETY SYSTEMS

Fishing Equipment	1 x Integrated live bait well built standard into the hull framework, alongside forward bow and aft floor-mounted insulated fish storage boxes. Integrated with Mate Series combined angled rod/drink holders.
Anchoring Assembly	Helm-controlled Savwinch 2000SS 12V automatic drum winch paired with an H2Pro stainless steel Delta anchor, 140 meters of high-tensile anchor rope, 8 meters of calibrated chain, and an anti-tangle swivel layout.
Bilge & Drainage	6 x High-volume automatic bilge pumps equipped with independent internal float switches distributed across both hulls, paired with a Jabsco multi-port grey-water sump system.
On-Board Safety	Two commercial-grade hand-held fire extinguishers supplied by Fire Boy and Plastimo, alongside a full complement of regulation-compliant life jackets tailored to the boat's maximum passenger capacity.

9. PREMIUM OPTIONAL UPGRADES MATRIX

- **Twin Live Bait Wells:** Secondary tank fishing configurations can be customized and retrofitted into the deck.
- **Under-Bench Kegerator:** 188-Liter dual-tap integrated beverage Kegerator designed to lower smoothly under the primary galley benchtop.
- **AMC Carbon Fiber Awning Poles:** Ultra-lightweight, high-tensile carbon fiber poles for enhanced stability in high wind zones.
- **Bow Thruster Integration:** External helm-controlled bow thruster units can be retrofitted to the 8.5m hull platform for tight-quarters docking precision.
- **Manual Sunroofs:** Dual 450mm square manual opening sunroofs can be integrated into the hardtop (Available only if the rooftop accommodation camper tent is omitted from the build plan).
- **Satellite Entertainment:** Marine-grade stabilized Satellite TV dish receiver upgrades.
- **Vessel Protection Packages:** Full-hull premium ceramic paint protection coatings and custom-tailored mooring zip-and-clip canvas storage covers.

TRUSTED GLOBAL MARINE COMPONENT PARTNERS

Simrad

Mastervolt

JL Audio

Webasto

Vetus

Tecnicomar

SureShade

Lumishore

Kenyon

Savwinch

Plastimo

ROCA

Gussi Italia

Multisteer

SeaDek

Citel