

Here is the clean, professionally structured, and highly scannable master specification brief for the **Marine Warrior 100ft Signature Range Catamaran**.

This breakdown organizes your technical data into premium executive categories, optimized to be dropped straight into a sales brochure, client presentation, or an official PDF proposal.

MARINE WARRIOR 100FT SIGNATURE RANGE CATAMARAN

Official Master Technical Specifications Brief

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1. Core Naval Architecture & Dimensions

- **Design Aesthetic:** Modern Contemporary Sleek Catamaran
- **Hull Engineering:** Proprietary wave-breaking center-fin hull design
- **Construction:** High-tech Marine-Grade Aluminum
- **Length Overall (LOA):** 30.4m (100ft)
- **Beam Overall:** 12m (39.3ft)
- **Draft (Light Ship):** 1.85m (5.94ft)
- **Headroom (Main Cabins & Living Areas):** 2.4m (7.89ft)
- **Certification:** Built to ISO 9000 / CE Class International Standards
- **Standard Exterior Color Palette:** Pure White paired with Deep Blue or Aqua

2. Propulsion, Power & Operational Ranges

Standard Hybrid Configuration

- **Main Engines:** Twin (2x) Inboard MTU Series 2000 shaft drive units
- **Power Range:** 720 – 1,939 kW (536 – 2,600 bhp)
- **Engine Systems:** Integrated touch-button flushing with advanced fuel management systems fed by twin high-pressure pumps.
- **Performance (Diesel Mode):**
 - *Cruising Speed (Half Load):* 12–14 knots
 - *Maximum Hybrid Speed:* 18–24 knots (Up to 3,500 kW of combined maintained torque/power)
- **Fuel Capacity:** 12,200L Standard + 11,950L Extra Long-Range Reserve tanks (Total: 24,150L)
- **Diesel Range:** Approx. 6,500 NTM at 14 knots cruising speed (pending sea conditions).

Eco-Propulsion Upgrade (+\$490,000 USD)

- **Zero-Emission Matrix:** Zero Diesel, Zero Gasoline, Zero Hydrogen, Zero Generators, No Sail Required.
- **Performance (Zero Propulsion Mode):** Achieves up to **16 knots top speed** purely on clean energy.

- **Range: Unlimited NTM Range** when traveling at or below 16 knots (zero refueling required).

Maneuvering & Climate Control

- **Thrusters:** High-output Electric Bow and Stern Thrusters.
- **Climate Control:** Premium Webasto 10,000 BTU air conditioning network.
- **Hot Water:** \$4\times\$ Webasto continuous-flow 50L hot water heaters.
- **Water Production:** \$2\times\$ 150L per hour ZEN brand Water Makers (Standard).
- **Tankage:** 1,160L underfloor fresh water tank (port side); integrated grey water tanks.

3. Autonomous & Cloud Technology Integrations

- **Self-Driving & Auto-Docking Suite (Optional Upgrade: \$120,000 USD):** Fully autonomous navigation and docking capabilities (monitored by captain at all times).
- **Emergency Cloud Overwrite:** Base-to-factory server integration allows global Marine Warrior project managers to remotely pilot the vessel to a safe port or anchorage during a safety or medical emergency.
 - *Safety Monitoring Subscription:* \$150 USD / month.
 - *Emergency Cloud Pilotage:* Fixed \$150 USD / hour.
- **Factory Project Telemetry:** CZone & Simrad network integration providing full dual-redundancy mechanical and technical cloud monitoring.
- **Live Stream Matrix:** YouTube Live streaming capability integrated with on-board GPS.
 - *Back-to-Base Cloud Monitoring Subscription:* \$60 USD / month.

4. Advanced Navigation & Electronics (Helm Matrix)

- **Helm Design:** Stilt-steer high-tech helm station with \$3\times\$ ergonomic Captain's Chairs.
- **Displays:** \$3\times\$ SIMRAD NSO 24" Multi-Function Displays.
- **Radar:** 1x Simrad Radar mounted on a heavy-duty master radar tower.
- **Sonar:** 1x Bronze Thru-hull Transducer (B175 Airmar).
- **Comms & Safety:** \$2\times\$ VHF RS40B with integrated AIS.
- **Autopilot:** Dual (\$2\times\$) Autopilot Systems for inboard engines (1x active, 1x full hardware redundancy).
- **Night Vision:** Marine-grade Sionyx Night Vision Camera network.
- **Vessel Control:** Dock Mate handheld wireless docking remote control.
- **Connectivity:** SkyLink / Starlink / Satellite TV ready.

5. Luxury Accommodation & Interior Layout

- **Master Suite:** 1x Forward Full-Beam Master Stateroom featuring an Ensuite bathroom, King-size bed, extensive integrated storage, smart TV, and private bar.
- **VIP Guest Suites:** 4x Luxury VIP Suites, all featuring private Ensuities, large beds, expansive storage, and dedicated smart TVs.
- **Office Space:** 1x Dedicated executive workstation/office room.
- **Crew Quarters:** 2x Crew double-bunk cabins, each equipped with private bathrooms.
- **Day Heads:** 2x Conveniently located day heads.

- **Interior Styling:** Premium timber-look flooring (excluding bathrooms), designer Italian leather luxury seating with personalized, custom-stitched vessel branding on all trim surfaces. Lowering contemporary timber dining table.
- **Wellness & Light:** \$2\times\$ Auto-opening sunroofs with integrated blinds/screens on the upper deck. Features a dedicated on-board **Steam Room & Gym Room**.

6. Premium Galley & Catering Framework

Equipped exclusively with premium, high-efficiency **Miele appliances** surrounded by expansive, open-concept preparation benches:

- \$3\times\$ Double-door Miele Refrigerators
- \$3\times\$ Miele Ovens (including 1x specialized Steam Oven)
- \$1\times\$ Miele Professional Dishwasher
- \$1\times\$ Miele Integrated Coffee Machine
- \$1\times\$ 6-Burner Induction Cooktop
- \$2\times\$ Double-bowl Stainless Steel Sinks
- \$2\times\$ Microwaves (strategically allocated to upper and lower decks)

7. Deck, Entertainment & Beach Club Architecture

Transformational Roof & Balconies

- **Full-Beam Solar Roof:** The aft upper-deck solar roof (hosting \$10\times\$ 1100-watt solar panels with Victron controllers/inverters) opens fully at anchor to create an expansive, shaded outdoor dining, living, and sunbathing terrace.
- **Hydraulic Side Wing Platforms:** Twin (.9m wide) hydraulic lowering aft wing platforms that expand the beam to a massive **14-meter wide entertaining deck** directly at the water's edge.
- **Tropicana Swim Balconies:** Port and Starboard electric-raise balconies extending over 2m wide. These fold upward for ocean protection underway and include swim ladders, black stanchion poles, and rope balustrading.
- **Aft Swim Platform:** Full-beam electric-raise platform between sugar scoops with drop-in ski skids for a Jet Ski. Lowers completely into the water for swimming or acts as a tender launch. Included lazarette folding step configuration for easy mooring access.

Exterior Wet Bar & Meal Prep Area

- Marine-grade Electric BBQ (Port side) with secondary handrail-mounted BBQ capability at owner's choice.
- Lightweight bench countertops (available in 5 finishes) with stainless steel surround-rail edging and built-in RGB lighting.
- Twin stainless steel sinks and secondary induction cooktop.
- \$1\times\$ 50L recessed Ice Box + \$1\times\$ 40kg high-capacity Ice Maker.
- \$2\times\$ Stainless Steel 273L Fridges + \$2\times\$ Dedicated Freezers.
- \$3\times\$ Stainless Steel integrated bar stools.

Entertainment & Comfort

- **Audio Matrix:** Premium Bose & Fusion soundscape: \$30\times\$ 6.5" RGB speakers, \$3\times\$ 12" Subwoofers, and \$2\times\$ 2000W amplifiers (8000W total amplification).
- **Visuals:** \$7\times\$ 50" Samsung motorized pop-up/lowering TVs.
- **Shade:** Front manual awning extending from hardtop with high-strength poles (Carbon Fiber 50mm pole upgrade available for \$1,000 USD). Rear fixed retractable 8ft wind-resistant awning (operational up to 8 knots).
- **Flooring:** High-durability Synthetic Teak throughout all exterior decks.

8. Marine Hardware, Safety & Utility

- **Fender Management:** 6x flush-mount heavy-duty style fender cleats per side (\$12\times\$ total) with twin integrated fender recesses.
- **Water Sports Utility:** Rooftop Kayak and Paddleboard racks featuring integrated rollers for effortless mounting. Removable Jet Ski rail system.
- **Angling / Utility:** Integrated Jet Ski refueling station, live bait tanks, and dedicated catch-cooling boxes.
- **Lighting Arrays:** Full digital switching via iPad/iPhone. Displays \$4\times\$ Rear blue underwater lights standard + 4x extra underwater lights per side. Comprehensive walkway, under-furniture, overhead RGB downlighting, and high-power front/rear floodlighting.
- **Fire & Safety Wardroom:** 8x Handheld fire extinguishers, fully integrated commercial engine-room fire suppression system, and a complete safety/life jacket package matching maximum vessel capacity.