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New Yacht, Commercial & Military Construction in Aluminum

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Superior Yachts with Breakthrough Technology

FastWater™ 36 PowerCat



Specifications

Length Overall	36' 0" – 11.0m
Length Waterline	31' 6" – 9.60m
Beam, Max	13' 5" – 4.10m
Draft	2' 6" – 0.76m
Displacement (Half Load)*	15,250 lb.
Hull L/B Ratio	7.66
Bridge Deck Clearance (center nacelle)	1' 3"/0.38m to 3' 8"/1.12m
Fuel Capacity	250 gal. US – 1000Litres
Water Capacity	50 gal. US – 200Litres
Waste Capacity	25 gal. US – 100Litres
Engines: Twin	260 hp Yanmar™ 6LP-DTE

* Half Load displacement is defined as weight of yacht with all standard equipment, fuel and water tanks at half full.

Specifications may change without notice

EuroTech Design's FastWater™ 36 PowerCat was designed to offer an efficient midsize power cruiser capable of running offshore at upper end speeds in all weather conditions while maintaining long range cruising capabilities, and accommodations for one couple with occasional guests.

The design incorporates planing hulls with an anti-trip chine and unique bow shape that deliver efficiency and sea kindliness at both low and high speeds. Powered with twin 260hp diesels the FastWater™ 36 will be a breeze to handle with the standard electronic shift/throttles engine controls and bow thruster. The propellers and rudders are protected and shallow draft is maintained through the use of propeller tunnels while the underside of the bridge deck is v-shaped in order to minimize impact with waves. The generous overall beam creates excellent stability when underway or at anchor, while offering safe, wide walkways when going forward. The open and comfortable on-deck salon provides a protected helm with comfort and excellent visibility for any weather condition, and secure access to the private cabin with queen size berth and the private head with separate shower.

The hull and deck of the FastWater™ 36 PowerCat have been designed for strength and lightweight utilizing EuroTech's *FastForm*™ computer aided solid sheet aluminum construction technique, *Alustar*™ 5059 alloy and *CeRam-Kote*™ protective coating. The internal structure consists of aluminum longitudinal stringers and aluminum ring frames with honeycomb-cored fiberglass center sectioned bulkheads. The entire hull and deck are insulated for thermal and acoustic considerations. The interior structural soles and bulkheads are of honeycomb cored fiberglass sandwich construction and the interior joiner work is a combination of lightweight wood veneered panels with hardwood trim. This method of hybrid construction offers light weight, with high strength, and when combined with EuroTech's *SemTech*™ (systems, equipment & materials) advanced outfitting technology provides a seaworthy vessel that is truly easy to maintain and operate.

Construction

- Hull and deck constructed of *Alustar*™ 5059 aluminum alloy, utilizing *Eurotech's FastForm*™ construction method.
- All aluminum surfaces, interior and exterior of hull, coated with *CeRam-Kote*™.
- High gloss urethane topcoat on all hull and deck surfaces.
- Silica nonskid incorporated into *CeRam-Kote*™ on horizontal deck surfaces.
- Internal structure consisting of longitudinal stringers bonded with methacrylate adhesives, and welded aluminum ring frames, with honeycomb cored composite center sections.
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- Entire hull and deck is insulated for thermal and acoustic considerations.
- Watertight crash bulkheads/compartments in the bow of each hull.
- Interior of all deck and anchor lockers coated with polyurethane protective lining.
- Twin aluminum rudders.
- Aluminum rudder shafts with *PYI*™ bearings
- Propeller tunnels in hulls with integral propeller shaft logs and protection skeg.
- Antifouling paint below waterline and running gear.
- 10-year structural warranty.
- Construction in accordance with *ABYC*

Mechanical

- Twin 260hp *Yanmar*[™] marine diesel engines with D-type engine panels. (5 yr. Warranty)
- *Maxpower*[™] 12vdc bowthruster
- *Floscan*[™] fuel monitoring system
- *Glendinning*[™] automatic engine synchronizers
- *PYI*[™] flexible couplers, engine mounts, and driplless stuffing boxes.
- Stainless steel propeller shafts, with *Spurs*[™] weed/line cutters.
- Four blade bronze propellers.
- Two *Reverso*[™] oil change pumps.
- *Puratec*[™] fuel purification system.
- *Groco Hydromatic*[™] seawater intake/strainer system.
- Twin single lever *Glendinning*[™] electronic engine shift/throttle controls.
- Engine rooms exhaust blowers.
- Engine spare parts and workshop manual.
- *Hynautic*[™] hydraulic steering system.
- Independent aluminum baffled fuel tanks with inspection ports, *CeRam-Kote*[™] coating and level gauge.
- Twin *Fireboy*[™] MA-2 manual/automatic fire extinguishing systems with automatic engine shut downs.
- Two *Fireboy*[™] portable fire extinguishers.



Electrical

- Electrical system by *Mastervolt*[™]
- All AC-DC wiring, tinned and irradiated.
- All wiring run through isolated conduit.
- *Mastervolt*[™] AC-DC electrical panel with LED digital meters.
- Two 90amp alternators with three-step regulation and temperature sensing.
- *YachtGard*[™] AC-DC surge protection
- *Mastervolt*[™] 3.5kw isolation transformer.
- 30amp 120vac shorepower outlet.
- Dockside cable TV and telephone outlet.
- 350 amp maintenance free gel cell house battery bank (2 volt cells), with emergency parallel switch.
- Two separate 85 amp gel cell engine starting batteries.
- Battery isolator.
- *Mastervolt*[™] 1200 watt sine wave inverter.
- *Mastervolt*[™] 60 amp battery charger with temperature sensing.
- *Mastervolt*[™] 3.5kw AC generator with water/gas separator exhaust system and *Reverso*[™] oil change pump.
- *Cruisair*[™] 16,000 btu reverse cycle air conditioning ducted to cabins and main deck.
- *Electro-Guard*[™] cathode protection system.
- *Taylorbrite*[™] 12vdc CCF interior lighting with dimmer switches.
- 12vdc running lights.
- LED courtesy lighting in cockpit and interior.
- 12vdc interior fans for helm and both cabins.

Plumbing

- *SeaTech*[™] fresh water plumbing system.
- *ITT Jabsco*[™] water pressure system.
- Single *Sealand Vacuflush*[™] head and holding tank system including level gauge, y-valve, macerator pump and deck fitting.
- Polyethylene baffled water tank with level gauge.
- *Isotemp*[™] 6-gallon 120vac water heater with engine heat exchanger.
- Two 2000gph 12vdc bilge pumps with auto switch.
- Separate sealed shower sump with auto pump out.
- Seawater anchor washdown.
- One *Whale*[™] gusher manual bilge pump with y-valve.
- Manual fresh water foot pump in galley.
- *Seagull*[™] water filter at galley sink.
- All seacocks *Forespar Marelon*[™].
- Hot and cold deck shower in cockpit.
- Dockside water with hose and in-line filter.
- Fresh water washdown in cockpit.

Interior /Cabin

- Interior finish consists of naturally finished lightweight wood joiner work set against light colored vinyl fabrics, padded hull side panels, and a soft headliner with simulated wood soles in living areas, and composite soles in head.
- Counter tops and sinks manufactured of a decorative solid surfacing material.
- Port hull offers access to queen size berth and mattress, with cedar lined hanging locker and seat.
- Starboard hull offers access to private head with toilet, sink, and separate shower stall with curtain.

Foredeck & Side Decks

- Aluminum bow and side rails.
- Decks cambered for quick draining with integral toe rail and *HullShield*[™] rubrail.
- Aluminum bow, amidships and stern cleats.
- Aluminum hand rails on cabin housetop.
- Aluminum opening ports with integral screens and blinds in hull sides.
- Aluminum opening hatches in deck and cabin housetop, with integral screens and blinds.
- Four *Nicro Fico*[™] solar /12vdc ventilators.
- Port and starboard steps to walk-around side decks.
- Recessed PVC foredeck sunning pad.
- Recessed anchor locker with *Maxwell*[™] 800 vertical 12vdc chain/rope anchor windlass with reversing, seawater washdown, and remote switch with chain counter.
- Anchor roller.
- One #100 *Spade*[™] 20 lb. aluminum anchor with 150 ft of 5/8" nylon anchor rode and 20 ft of 5/16" stainless steel chain.
- Four fenders and four braided docklines.

Aft Cockpit

- Full width cockpit with angled port and starboard locking engine access doors leading to engine and machinery space.
- *Marinedeck 2000*[™] exterior synthetic simulated teak decking.
- Aft cockpit bench seat with storage under.
- *Armstrong*[™] Stowable swim ladder.

Main Deck

- Helm station with bulkhead mounted destroyer wheel.
- *Seaspension*TM adjustable double helm seat with footrest, and console for instrumentation.
- 5” compass with binnacle.
- Twin locking aluminum frame plexiglass companionway doors for cabin and head.
- Roll away screen for port companionway door.
- Enclosed pilothouse with slide open tempered glass side windows with screens, forward opening tempered glass windshield with screen, and locking, sliding aft door with rollaway screen.
- Two opening hatches in overhead with screens and blinds.
- Windshield wipers and washers.

Main Deck (continued)

- On deck galley to starboard with front opening *Adler Barbour/WAECO*TM 12vdc refrigerator/freezer, sink, single burner *Kenyon*TM butane stove, storage cabinets and drawers.
- On deck dining settee with cushions and table to port with storage under, converts to double berth.
- Carpet floor covering in pilothouse.

Options

- *MST Guardian*TM engine flush system.
- Navigation and communication electronics.
- 150-watt solar panels.
- Icemaker.
- Microwave oven.
- Swim Platform.
- Cockpit sliding/stowaway hardtop.

Note: Specifications are subject to change without notice. The builder reserves the right to make alterations as considered desirable. No such alterations however are to be considered retroactive with respect to yachts delivered, under construction or under contract. Draft, displacement, and performance can all vary based on load. This is neither a warranty nor are any warranties implied. The manufacturer’s liabilities are strictly limited to the warranty as described in Limited Warranty documents provided.

	<u>Maximum Speed</u> <u>@ 3800 RPM</u>	<u>Fast Cruise Speed</u> <u>@ 3000 RPM</u>	<u>Cruise Speed</u> <u>@ 2000 RPM</u>
<u>Performance Speed</u>	33.1 knots (38.1 mph)	22.3 knots (25.6 mph)	12.1 knots (13.9 mph)
<u>Total Fuel Consumption</u>	28.4 gal / per hr	13.6 gal / per hr	5.0 gal / per hr
<u>Range (250 gal. fuel)</u>	268 nm	378 nm	630 nm

These are preliminary performance predictions, which are based upon half load conditions and are subject to change depending upon the final weight of the vessel. Naturally, it must be understood that each model when fully loaded will attain lower speeds and that speed will increase as fuel, water and stores are used. However, it is rare that one runs at full throttle when fully loaded and heading out for an extended voyage. Range will be greatly increased at mid range speeds and for the weekender or short range cruiser it is not always necessary to travel with full fuel and water tanks.

Cortland Steck, N.A.

Lay-Out

