



Lagoon 450F | 2012 | OWNER'S VERSION | PATRAS (GR) FULL SPECIFICATIONS & UPGRADES

1. HIGHLIGHTS

- **Bulkhead Status:** Factory reinforcement kit professionally installed (2022) and dealer-certified. Pre-installation inspection confirmed no structural issues (video documentation available).
- **Hull Condition:** Excellent condition, no signs of osmosis. Dry moisture readings confirmed across hulls, topsides, and rudders.
- **Solar Array (3720W):** High-capacity system **allows running air conditioning directly from solar yield.**
- **Power Management:** Victron MultiPlus-II 12/5000/220-50 Inverter/**Charger (120A)** featuring **PowerAssist technology** for seamless generator and battery load balancing.
- **Watermaker:** Schenker ZEN 50 — whisper-quiet, highly energy-efficient 12V DC system.
- **Turnkey Corporate Ownership:** The vessel is the sole asset of a dormant, debt-free UK LTD company, offering a seamless and tax-efficient transfer of ownership.

2. YACHT BASICS & GENERAL PARAMETERS

- **Builder:** CNB Lagoon.
- **Model:** Lagoon 450F (Flybridge).
- **Year Built:** 2012.
- **Layout:** Owner's Version (3 Cabins, 3 Heads).
- **Flag:** UK (London).
- **CE Certification:** Category A (Ocean) — 12 persons .
- **Length Overall (LOA):** 13.96 m (45.80 ft).
- **Beam:** 7.87 m (25.82 ft).
- **Draft:** 1.30 m (4.27 ft).
- **Light Displacement:** 15,003 kg (33,075 lb).
- **Maximum Load Displacement (Cat A):** 22,015 kg (48,543 lbs).
- **Mast Height from DWL:** 23.33 m (76.55 ft).
- **Hull Number:** 135.
- **Refit Period:** Specific timeframe of the exhaustive refit and systems overhaul spanning from 2022 to 2026.

3. ENGINES & PROPULSION

- **Engines:** 2 x Yanmar 4JH5E (54 hp each).
- **Engine Hours:** ~2000 hours (Port & Starboard).

- **Saildrives:** 2 x Yanmar SD-50 (Upgraded: the known cone clutch slipping issue has been permanently resolved).
- **Propellers:** 3-blade Flexofold folding propellers.
- **Alternators:** Upgraded Hitachi Alternators.
- **Engine Controls:** Dual controls at flybridge.
- **Fuel Capacity:** 1,000 L (2 x 500 L tanks).
- **Saildrive Maintenance:** Rubber diaphragm seals replaced in 2025 as part of rigorous preventative maintenance.
- **Engine Ventilation:** Automated engine room blowers (auto-engaging upon ignition).

4. ELECTRICAL & OFF-GRID POWER SYSTEM

- **House Lithium Battery Bank:** 1120 Ah LiFePO4 EVE Battery Bank (New).
- **Battery Management:** JK BMS (Battery Management System).
- **Start Batteries:** 3 x new AGM batteries (2xEngines + 1xGenerator).
- **Solar Array (3720W Total):** allows running air conditioning directly from solar yield during peak daylight, minimizing battery discharge.
 - Heavy-duty custom solar arch integrating 6 x **Sunpower** Maxeon MAX3 (430W).
 - 2 x Luxor LX-570TC-M (570W) panels on the bimini.
- **Inverters & Chargers:**
 - Victron MultiPlus-II 12/5000/220-50 Inverter/Charger with Bluetooth Smart Dongle **and a 120A smart charger.** Inverter features Victron PowerAssist technology (seamlessly balances generator and battery loads).
 - 3 x Victron MPPT SmartSolar Charge Controllers 250/85 TR VE.Can.
 - **Shore Power Charger:** 100A .
- **Monitoring:** Victron BMV-712 Smart Battery Monitor.
- **Generator:** Onan 4kW Marine Generator in sound-shield casing (model 4MDKBH-5933D).
- **Smart Home & Automation:** Tuya Bluetooth Smart Switches/Plugs installed onboard.

5. SAILS, RIGGING & DECK HARDWARE

- **Mainsail:** Fully battened square-top mainsail with Lazy Bag and jacks (Lazy bag new 2026).
- **Genoa:** Roller furling genoa (New 2023) with UV protection strip. Additionally spare original genoa.
- **Genoa Furler:** Heavy-duty Facnor furler.
- **Spinnaker/Gennaker:** 2021 Asymmetrical Spinnaker (Gennaker) with furling system – almost unused.
- **Sail Bag:** for Gennaker on-Deck storage.
- **Winches:** Premium **Harken** package, including a 50.2 Electric Winch for halyards and reefing.
- **Deck Hardware:** Reinforced inox anchor roller, upgraded dinghy davit rollers, main halyard swivel.
- **Anchor & Ground Tackle:**
 - Mantus 47kg primary anchor + 2 Delta Anchors 25kg each.
 - 80m of 12mm galvanized chain + 20m rope.
 - Quick Electric Windlass with chain counter and remote at flybridge.
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 - Addition of a **new wireless remote control** to operate the windlass from **anywhere on deck.**
 - Additional under-chain roller on the inox anchor roller to prevent gelcoat chafe.
 - Sea anchor
 - 30m tow line
 - 2 x 70m floating shore mooring lines
- **Bow:** Custom gelcoated Dolphin Seats on bow pulpits.
- **Teak passerelle (Gangway).**
- **Deck Shower:** Hot & cold water cockpit shower on the starboard transom.
- **Deck Wash Pump:** Dedicated deck wash pump installed (pressurized fresh or salt water).
- **Transoms:** Custom D-Rings (pad eyes) installed on transom steps for fenders.
- **Companionway:** Reinforced teak grate.
- **Trampoline Nets:** new original installed 2025.

6. NAVIGATION & ELECTRONICS

- **Chartplotter / MFD:** Raymarine E120W at helm station (in excellent condition).
- **Radar:** Raymarine HD Color Radar (48nm range).

- **Autopilot:** Raymarine SPX-30 SmartPilot Course Computer with remote control.
- **AIS:** Raymarine AIS700 Class B Transceiver.
- **VHF Radio:** Raymarine Ray55e with DSC.
- **Antenna & Reflector:** Newly installed high-gain VHF antenna and passive radar reflector at the masthead.
- **Transducers:**
 - New Airmar 810 Bluetooth Transducer (Depth/Speed/Temp).
 - New Raymarine Wind Transducer with new mast wiring.
- **Navtex:** Furuno NX300 PRO.

7. COMMUNICATION & INTERNET

- **Satellite Internet:** Starlink High-Speed Internet integration.
- **LTE/4G/5G:**
 - KASER 4G LTE 5G Outdoor Antenna.
 - Huawei GSM Router.
- **WiFi Networking:** Ubiquiti WiFi Repeater/Amplifier Antenna + Outdoor Router.

8. PLUMBING & WATER SYSTEMS

- **Watermaker:** Schenker ZEN 50 (12V) Watermaker – whisper-quiet and energy efficient (consumes 240 watts (DC)).
- **Drinking Water:** Dedicated Reverse Osmosis drinking water system (eliminates the need for bottled water onboard).
- **Shore Water Filter:** custom dual stage water filtering via quick connector from the shore.
- **Fresh Water Capacity:** 700 Liters total (Standard tanks + two additional 175L tanks).
- **Water Pumps:**
 - Upgraded Jabsco Par-Max 4 (40 PSI) pressure pump.
 - Water Pressure Tank Accumulator.
 - Freshwater pressure pump with time-relay acoustic alarm.
- **Hot Water (Boilers):**
 - Main Boiler: Quick B3 80L Water Heater.
 - Secondary Boiler: Svens 12V 7L fast-heating boiler providing instant hot water to the Owner's Cabin.
- **Toilets:** 3 x Electric Jabsco Quiet-Flush fresh-water toilets (with water consumption control system).
- **Black Water Tanks:** 3 x 80-liter black water holding tanks equipped with gravity-discharge hull valves.
- **Bilge Pumps:** Automatic Rule bilge pumps (rated at a minimum of 1000 GPH) with manual override buttons and acoustic alarm at the flybridge helm.
- **Additional Dry Bilge Pumps:** Dry bilge system, fitted automatic bilge pumps, and manual pumps.
- **Additional emergency Bilge Pumps:** in each engine compartment.

9. ACCOMMODATIONS & APPLIANCES

- **Flybridge Bimini:** custom large flybridge bimini with full enclosure.
- **Forward Cockpit Bimini:** custom bimini on forward cockpit .
- **Air Conditioning:** CruisAir 48,000 BTU Reverse-Cycle Air Conditioning (cooling & heating) for 3 cabins and saloon – regularly and professionally serviced.
- **Washer/Dryer:** Candy washer and dryer combo.
- **Dishwasher:** Electrolux (new 2026).
- **Refrigeration:** well and regularly maintained, magnetic door gaskets replaced.
 - 130L Fridge in galley.
 - 130L Freezer in galley.
 - 2022 Additional 80L Fridge in outside cockpit.
- **Cooking:** Induction cooker, Microwave Oven, and Gas Hob/Oven setup.
- **Storage:** custom sliding shelves in galley cabinet.
- **Outdoor BBQ:** Gas BBQ grill with direct onboard gas connection.
- **Entertainment:**
 - Saloon: new 32" JVC Smart TV with WiFi on an electric hi-lo concealed lift system .
 - Owner's Cabin: new 32" LG Smart TV with WiFi .

- Audio: Pioneer HiFi Sound System (DVD/CD) with 6 speakers (including 4 new marine-grade outdoor speakers).
- **Interior Comfort:** Owner's Cabin features slatted bed bases, tailored curtains, and supplementary 220V sockets. The saloon and cabins are fully equipped with 360-degree curtains and mosquito blinds.
- **Forepeak Access:** Custom access hatch professionally installed between the forward portside guest cabin and the forepeak.
- **USB Ports:** High-speed USB charging ports hardwired directly into the 12V bulkheads of every cabin and the main saloon.
- **Forepeak Storage:** Extensive custom shelving .
- **Lighting:** 100% LED lighting throughout the vessel.
- **Underwater Lights:** Four premium OceanLED underwater lights.
- **Work/Office:** Wide modern computer monitor at the workstation + HP printer
- **Ventilation:** Supplementary ventilation system (2 x tower fans) in the saloon

10. TENDER

- **Tender:** Highfield CL310 aluminum-hull dinghy with custom cover (2023).
- **Outboard:** Yamaha 10hp 2-stroke outboard engine.
- **Tender Cover:** Custom UV-protective canvas cover .
- **Tender Davits:** Davits optimized with upgraded frictionless roller systems for effortless hoisting.

11. SAFETY & OFFSHORE EQUIPMENT

- **Deck Lighting:** High-output spotlights facing forward and aft (mounted on solar arch and bimini).
- **Fire Safety:** Automatic FM-200 fire extinguishers in both engine compartments, plus new manual CO2 extinguishers.
- **Lightning Protection:** Static dissipator (ionizing lightning rod), heavy-gauge copper bus bar, and a specialized grounding plate (Faraday-cage effect).
- **Liferaft:** Inspected Liferaft Offshore ISO 9650-1 A, MOB (Man Overboard) Light, surveyed and serviced gas-inflated lifejackets. Safely housed in the aft crossbeam, fortified with additional stainless steel (inox) retaining borders.
- **Emergency Steering:** Emergency tiller connection directly to the rudder post.
- **Magnetic Compass:** Offshore 95 magnetic compass at helm.
- **Escape Hatches:** Factory safety recall brackets professionally installed (4 pieces + 4 pieces extra).
- **Safety Nets:** Perimeter safety nets meticulously laced around the entirety of the stainless steel lifelines and stanchions.
- **Location Beacons:** Registered EPIRB (Emergency Position Indicating Radio Beacon).
- **Fire Extinguishers:** Numerous Portable dry powder and CO2 fire extinguishers.
- **Fire Blanket:** Fire blanket in the galley.
- **Safes:** Two heavy-duty steel strongboxes (safes) installed in hidden locations.
- **Gas System:** Upgraded to modern 5L composite gas cylinders .
- **Jacklines:** Dedicated deck jacklines routed for secure crew harness attachment.
- **Wind Indicator:** Masthead Windex installed for non-electronic wind direction confirmation.

12. SMART YACHT & MONITORING SYSTEMS

- **Bilge Alarms:** Smart water leakage sensors (Bluetooth/WiFi) installed in every bilge compartment.
- **Smoke alarms:** Strategically placed in each engine compartment, the galley, and near the battery bank and water heater.
- **Security Cameras:** 2 x Outdoor IP Surveillance Cameras.
- **Security System:** Automatic outdoor security lights and siren.

Disclaimer: The details of this vessel are offered in good faith but are not guaranteed. Some historical dates and engine hours may be approximate. Prospective buyers should instruct their surveyor to verify all details and vessel condition prior to purchase.