



COASTAL BOATS

Specification for Aluminum Passenger/crew boat

LOA: 42.65' 13M
 Beam: 15.8' 4.81M
 Draft to waterline: 3.3' 1.006M
 Full load displacement: 13,000kgs [28,660 lbs]
 Speed to 29 knots fully loaded with FTP N67-450 [A2] 420 HP engines and Konrad 68 stern drives
 Design & Construction Standard: USCG Small Passenger Vessel Standard.
 Designers: Specmar

Structural

Quantities

Hull, Bulkheads, Main Deck, Cabin, Marine Aluminum from CNC kitset
 Stern access Platform per design
 Marine grade windows

Hull Finishing

Antifouling paint 2 coats hard [high speed]
 Non-skid in working areas of Deck

Tanks, Piping & Pumps

Fresh Water Tanks (2) - Fiberglass 850 Litres Total 2
 Diesel Fuel Tanks (2) – 2,000 Litres Total – Fiberglass [vinyl ester] 2

Senders on Fuel Tanks	2
Diesel Fuel Header Manifold	2
Diesel Fuel Piping	
Fresh water piping and fittings- HEP20 or Speedfit	
Shore Water Supply Fitting	1
Salt Water piping	1
Through hull fittings-SS	3
Seacock Valves-Marelon	3
Sea Strainers	2
Check Valves	4
Tank Vents	4
Tank Fill Plate s/piping	4
Hydraulic Steering Lines/helm pump SeaFirst	2
Bilge Pumping- Manual Amazon	2
Bilge pumps - electric with float switches Jabsco, 2000GPH	4
Shower Drain Pump with Float Switch, Rule	1
Fresh water Pressure Pump, Aquafax 38LPM or similar	1
Waste Piping, low odor	
Black water tank, H/D plastic 60L	1
Mechanical	
Engines FTP N67-450 [A] 420 HP	2
Sterndrive units:	
Transmission / Gear: 2 X ZF 280-1 PL, Ratio .814:1	
Stern Drive: 2 X Konrad Model 680, Ratio 1.94:1	
Forward Propeller: 2 X 18.5" x 21"P, 3B, SS, RH	
Aft Propeller: 2 X 17.25" x 22"P, 4B, SS, LH	2
Main Engine Exhaust Pipes	2
Racor twin 75/900MAX2 fuel filters	2
Engine Room Ventilation Blowers	4
Main Engine Muffler- Centek or Halyard	2
External Power Steering Cylinder Kit - Catamaran	2
PTO Driven Power Steering Assembly	1
Engine Room Ventilation Ducts	4
Engine Room Soundproofing	2
Electrical	
Marine generator, Fisher Panda or similar, 9kva	1
90 amp x 12VDC alternators supplied with engines	2
Service batteries, 200 ampere hours each, 1 for windlass	3
Engine start battery, 120 ampere hour	2
DC-AC Inverter/Charger-Victron 2000 watt	1
Battery Boxes with Covers for all battery sets	3
Battery isolator	2
Battery Switches	4
Galvanic isolator	1

Electrical Wiring – Marine Grade- Ancor- color coded per USCG	
Electrical Panel 12VDC x 24CB Bluesea Systems or BEP	1
Lighting System Wiring 12 VDC	1
Navigation lights LED, Hella or similar	4
Anchor Light LED	1
Instrumentation lighting LED	2
Helm position lighting red/white LED	2
Engine Room Lighting fluorescent	4
Interior lighting LED warm white dimmable	10
Cockpit lighting LED warm white dimmable	2
Step Lights / Ladder lights LED	2
Courtesy/ Walkway lighting lights LED, blue	10
Manually controlled halogen search lights	2
Sockets 220 VAC in cabin	4
Sockets 12 VDC- Helm station and cockpit	6
PVC Conduit for all power wiring	1
Battery Monitor	1
Main Deck Equipment	
Electric Windlass/Capstan, Lewmar V3 with foot switches	1
Hatches, Lewmar low profile	4
Waterproof hatch for Chain Locker	1
Bow Roller, Anchor 16 kg Delta, chain 3/8” High Test, rope 3/4”	2
Stern lockers for 1 stern anchor and rope plus fenders and mooring lines.	2
Stowage hatch forward for fenders and mooring lines.	1
Overhead stowage for life jackets.	
Under seat stowage for passenger shoes and gear.	
Cleats, cast aluminum or Marelon	6
Seating for 45 pax, forward facing, bolstered with arm rests	
Deck Filler Fresh Water- Port & Starboard	2
Deck Filler Diesel Fuel- Port & Starboard	2
Helm Station/Bridge Equipment	
Micro Commander electronic controls for throttle and gear	2
Furuno Radar M1715/15	1
Furuno GPS Navigator GP-33	1
Furuno 6 Echo Sound LS-6100	1
VHF Marine Radio	1
Magnetic compass, Plastimo	1
Diesel tank Gauges	2
Fresh Water tank gauges	2
Marine quality Sports type steering wheel	2
Pilot’s Seat	1
Crew Seat	1
Heavy duty w/screen wiper at helm position	1
12 Volt Horn	1

Interior Finish

Cork Flooring- Galley
Ceiling Material- GRP finish panels or soft headliner

Cockpit/Galley

Fresh water system with 2 x 200 liter tanks, Flojet Sensor type pump, cold water to galley area and toilet/shower.

Base Cabinets	1
Stainless Steel double sink	1
Faucet with pull-out sprayer	1
Cutting Board	1

Heads

Compartment aft equipped with an electric flush toilet, wash basin and shower.	1
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Engine Room

Soundproofing
Engine beds

Safety Equipment

Fire Extinguishers	4
FireBoy automatic smothering cylinders	2