

GC42P

DESIGN BRIEF

The biggest and best little snorkel boat

Adventure was our answer for a repeat client of ours who needed to operate within the National Parks boundaries given their 42' length restriction rules. She is certified to carry 49 passengers and has several sweet unique features: she has double swim/boarding ladders up forward, an underwater window in the central cabin and a pair of 'rumble seats' (splash seats!) up forward for the thrill seekers. Upon entering the sensitive waters of the National Parks she can turn off her diesel and begin using her hybrid electric drive unit which will give her about an hour of time at 6 knots cruise. She has great sun protection, contoured seating, a large private head and numerous railings for passenger safety.



SPECIFICATIONS

Length	42'
Beam	20'
Light Displacement	17,000 lbs
Heavy Displacement	30,000 lbs
Passengers	49
Propulsion	2 x 166 hp
Cruise Speed	20 knots
Full Speed	24 knots
Bridgedeck Clearance	4'

FEATURES

HULLS AND DECKS

Construction:

- ATC foam, glass and CPD epoxy resin using resin infusion and vacuum bag construction methods and assembled using WEST SYSTEM™ Epoxy resin.

Exterior Finish:

- Alexseal Polyurethane paint over Alexseal epoxy primer--commercial yacht finish TBD

Interior Finish:

- Sherwin Williams waterbase Tileclad in head compartment, grey epoxy coating in engine rooms

Paint Colors & Graphics:

- All gloss white - Snow White or TBD
- 2 - Coats of bottom paint (3 coats at waterline). Color TBD
- Graphics and stripes TBD. PURCHASER to supply logo vinyl graphics if any.
- Hull markings as per USCG minimum requirements.

DECK FITTINGS AND EQUIPMENT

Cleats:

- 9 - 12" Stainless

Fairleads:

- 2 - 7 3/4" Bow chocks

Lifrails:

- WESCO painted aluminum handrails with rope intermediaries and two boarding gates. Two 'L' rails on fwd wing fairing. A handrail on each swim ladder. A safety rail on edge of steps to head. A side rail on steps into cockpit?
- SS Side rails on shear to equal 39"

Deck Hatches:

- 2 - Lewmar Size 50 hatches bow decks
- 2 - Lewmar 50 rudder room access hatches
- 2 - BOMAR flush alum engine hatches fwd
- 2 - Custom engine removal hatches aft
- 3 - Teak Isle (or custom) wet locker hatches
- 2 - Aluminum 2000 sliding entrance doors thru windshield

Windows:

- 2 - Plexiglass windshield parts
- 1 - Central galss window

Steering and Rudders:

- 28" Edson Destroyer wheel, Edson chain and cable steering to 10" Edson quadrants.
- GCY molded fiberglass rudders on Schedule 80 2.0" S.S. pipe w/ Vesconite bearings.

GROUND AND MOORING TACKLE

- 1 - 44# CLAW Lewmar SS anchor w/ 15'-3/8" SS chain and (JM) 200'-3/4" rode
- 1 - 55# FX Fortress aluminum, 15'-3/8" chain and (JM) 200'-3/4" rode
- 4 - 50'-3/4" dock lines (JM)
- 4 - Scanmarin fenders
- 1 - Bow Anchor Roller

ELECTRICAL

- 1 - Clarion stereo with AM/FM radio, IPOD adaptor and remote control. 4 Bose Speakers
- 1 - Icom VHF
- 1 - 4 1/2" Danforth Hi Speed Compass
- 1 - Raymarine GPS
- 1 - Lightning rod dissipater

- 3 - Dynaplate ground plates
- 1 - Paneltronics DC electrical panel
- Gold Coast cross charging/starting battery switch system
- 1 - Port and starboard bow light, sternlight, steaming and anchor lights
- 2 - 12V Interior fluorescent light fixtures
- 4 - Engine room lights
- 4 - 12V S.S. Dome lights for salon
- 3 - Courtesy lights on steps
- 1 - 12V receptacle, captains sta
- 2 - Hella fans in engine room
- 1 - Two trumpet and very loud horn

PLUMBING

(Pumping):

- 1 - Henderson MKV emergency manual bilge pump
- 6 - Rule 2000 bilge pumps (JM)
- 6 - High water alarms for each compartment (JM)

Water Systems & Piping

- 1 - 55 gal. poly water tank w/ Jabsco Ultra Max pressure pump (JM) and deck fill. Hose bib in head.
- Foot pump in head to service sink.
- Water supply hosing is rigid PVC, nylon and reinforced vinyl. PVC and nylon fittings.
- Jabsco salt water wash down pump (JM) w/ hose bib in wingfairing.

Head:

- 1 - Jabsco toilet (JM), w/ poly holding tank, Y-valve, seacocks and deck pump out option w/plate.

ENGINE

2 - Steyr MO166K28, 2800 rpm 6 cylinder marine diesels, w/IFG with 2.53:1 ZF 25 A marine gear. Steyr or Morse controls and cables, instrument panel, with RPM, oil pressure, water temp, and engine hour meters, safety alarm, 55 amp alternator, Vernalift wet exhaust, flexible engine mounts, GRW Drivesavers, PYI shaft seal, deadwood enclosed shaft log, 2" SS shaft, 28"x28" 4 blade bronze prop, 2-Odyssey (PC1500 MST) starting batteries. Bronze thru hulls, strainers, USCG approved cooling hoses & Parker fuel lines, copper fule lines? and Racor fuel filters. Two 1/4" Aluminum 100 gallon diesel tanks with SS adaptors,

senders and USCG approved vent system. Engine room vent system using Vetus AL intake grill and 4" PVC pipe with manual closures.

- 8 PC 2250 ST Extreme Duty, Electric Drive

OTHER SAFETY FEATURES

- 2 – 3/8" Rope nets forward flush to deck
- 2 – 9.75' x2.4' Bow Alum Swim Ladders
- 3 Watertight bulkheads per hull

ACCOMMODATIONS

- Head compartment w/locking door sink and toilet to port.
- Storage compartment to starboard ? icebox.
- Fixed wet deck seating for 39
- Under water window seats 10?
- Protective roof with 3/8" acrylic windshield
- 2 walk tru's with sliding alum/acrylic doors fwd
- Antenna & nav light post on roof

CUSTOM WOODWORK

- Misc. teak trim

MISCELLANEOUS

Buckets, scrub brush, sponges, toilet paper holder

USCG CERTIFICATION

- USCG plans approval, documentation and certification [49 passengers, 3 crew (x2) 20 mile route. Stability letter. FCC Station Inspection and Safety Certificate.