

GC50P

DESIGN BRIEF

A custom designed fast and fuel efficient GC50P power cat developed for John and Karen King for tours around Catalina Island. The design features a walk around cabin with foredeck deck, flybridge and salon seating. Construction will be of Corecell foam, glass and epoxy resin using resin infusion and vacuum-bag processes with primary structural components and amenities built using West System construction methods.



SPECIFICATIONS

LOA	50'
BOA	22'8"
Draft	3'
Light Displacement	20,000 lbs
Heavy Displacement	35,000 lbs
Passengers	49
Engines	2 x 302 hp Yanmar
Fuel Capacity	2 x 150 gal
Cruise speed loaded	24 knots
Full speed loaded	27 knots

STANDARD FEATURES

HULLS AND DECKS

Construction:

- Hulls, decks, superstructure built of Corcell foam/glass/epoxy resin using resin infusion and vacuum bag construction methods and assembled using West System Epoxy resin processes.

Exterior/Interior Finish:

- Dupont polyurethane paint over Dupont epoxy primer--commercial yacht finish

Paint & Graphics:

- All exterior gloss white - Snow White
- Interior gloss white - Snow White
- Bottom paint – Seahawk 77
- PURCHASER to supply logo vinyl graphics if any.
- Hull markings as required

DECK FITTINGS AND EQUIPMENT

Cleats:

- 7 - 12" Stainless

Liferails/Posts:

- Custom welded aluminum perimeter handrails, handrails and posts
- 2 - Boarding gates

Deck Hatches/Doors:

- 2 – Custom composite engine access hatches
- 4 – Lewmar 50 stern and foredeck hatches
- 1 - American Marine Model 350 Entry door Clear anodized finish. Hinge right side, open out.
- 1 – Composite door (Head). Hinge right side, open out
- 1 – Paragon acrylic under step storage door

Windows:

- 3 – American Marine Yachtsman fixed 3/8" glass windows with clear anodized finish.
- 6 - American Marine Yachtsman sliding 1/4" glass windows with clear anodized finish.

Steering and Rudders:

- 24" SS Destroyer wheel, Hynautic hydraulic system, bronze rams in series driving bronze tiller arms.
- Solid bronze rudders on S.S. shaft w/UHMW bearings.

GROUND / MOORING TACKLE/FENDERS

- 1 - 44# Lewmar Claw anchor, 50'-7/16" chain and 200'-3/4" rode
- 1 – 40 lb. Danforth style anchor with 15'- 3/8" chain and 200' of 3/4" rode.
- 4 - 50'-3/4" dock lines
- 4 – Polyform 10" x 26" fenders

ELECTRICAL

- 1 – Standard Horizon Matrix AIS VHF w/ mast head antenna
- 1 – 4" Compass
- 1 – Standard Horizon CP590 12" chartplotter, GPS
- 1 – Clarion CMD -6 sound system with 4 Bose speakers
- 2 – Dynaplate ground plates
- 1 – Paneltronics DC electrical panel
- 1 - Port and starboard bow light, sternlight, steaming and anchor lights
- 6 – 12V fluorescent lights fixtures for head, bows, engine room and storage
- 8– 12V interior salon dome lights
- 2 – 12V Spotlights for boarding area
- 8 – LED Courtesy lights for stairs
- 2 - 12V receptacles at helm station
- 2 – Hella fans in engine room

PLUMBING

Piping:

- Water supply hosing is rigid PVC, nylon and reinforced vinyl. PVC and nylon fittings.
- 6 - Rule 2000 UL approved electric bilge pumps

Water Systems:

- 1 – 55 gal. polyethylene water tank w/ Jabsco Ultra Max pressure pump, accumulator and deck fill.
- 2 - Sink spigot

Heads:

- 1 – Jabsco manual toilet w/ Marelon thruhulls and seacocks.
- 35 gal holding tank with manual control overboard auto discharge

ENGINE

2 – 6LPASTP2 302 hp Yanmar diesels with ZF 63A1 transmissions, 3 bladed fixed bronze props, bronze strut, 2" Aquamet 22 shaft, PYI shaft seals. Morse SL-3 controls, Vernalift wet exhaust, (2) 100 gal. aluminum fuel tanks. Parker hose to copper fuel lines. Elec fuel sender and gauges. Yanmar instrument panel w/oil pressure, water temp, alarms, tachometers and engine hour meters. Composite deck access/engine removal hatch. 8D starting batteries.

ACCOMMODATIONS

- Walk around cabin perimeter
- Radiused fiberglass seating on foredeck and flybridge
- Wood epoxy seat locker type seats in salon
- Stairway with handrails to flybridge
- Under stairway storage area with access door
- Service bar w/ sink, ice box and storage
- Buffet counter with shelving under
- Large hard bimini top with antennae tree.
- Helmsman chair and acrylic spray deflector for captain
- Head compartment w/ locking door, sink counter, toilet, mirror and ventilation system.
- Stern swim ladder

MISCELLANEOUS

Buckets, scrub brush, sponges, toilet paper holder, teak trim

USCG CERTIFICATION

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