

## GC81WP

### DESIGN BRIEF

Custom designed for marine excursions in the rough waters between Puerto Rico, Vieques and Culebra. The design offers an exceptional ride with low fuel consumption and all the amenities for a day of fun upon arrival at one of several out island destinations .



### SPECIFICATIONS

LOA	81'
BOA	25'8"
Draft	3' 6"
Light Displacement	40,000 lbs
Heavy Displacement	63,000 lbs
Passengers	99
Engines	2 x 610 hp Cummins
Fuel	2 x 200 gal
Water	2 x 55 gal
Waste	2 x 35 gal
Steering	Hydraulic
AC Elec	2 x 20KW Onan generator
HVAC	1 x 24,000 BTU, 4 x 48,000 BTU
Electronics	Standard Horizon/ Sitex
Cruise speed loaded	26 knots
Full speed loaded	30 knots
Fuel consumption @ cruise	42 gal/hr

### FEATURES

#### HULLS, DECKS AND SUPERSTRUCTURE

##### **Construction**

Corecell foam, glass and epoxy resin using resin infusion and vacuum-bag processes. Structural assembly and misc components using West System construction methods.

##### **Interior/ Exterior Finish**

- Dupont polyurethane paint system
- Commercial yacht finish

##### **Paint and Graphics**

- Snow White Exterior
- Graphics supplied by PURCHASER
- 2 Coats Islands 77 bottom paint, 3 on waterline
- Markings as per USCG

#### ACCOMMODATIONS

- Two heads w/ door, sink, toilet and mirror
- Custom U-bar with icebox, sink and storage
- Interior seating for 68
- Exterior seating for 19
- Forward pilothouse
- Four stern swim ladders
- Ladder to sunroof

#### DECK FITTINGS AND EQUIPMENT

##### **Cleats**

- 8 - 15" 316 Stainless

##### **Lifelines**

- 39" Welded aluminum liferails as needed with halyard braid rope intermediaries.

## **Deck Hatches**

- 2 – Composite engine removal hatches
- 2 – Bomar aluminum deck hatches

## **Windows/doors**

- 10 – American Marine 1/4" glass opening windows with clear anodized finish.
- 5 – American Marine 3/8" glass fixed windows with clear anodized finish.
- 1 – American Marine lockable entrance door

## **STEERING**

- 24" Destroyer wheel via Hynautic hydraulic steering system to bronze tiller arms via Hynautic rams and liquid tie bar.
- GCY fabricated composite rudder. Schedule 80 S.S. rudder shafts

## **GROUND AND MOORING TACKLE**

- 1 – 44 lb. Lewmar claw bow anchor with roller and 15'- 3/8" chain and 200' of 3/4" rode.
- 1 – 44 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 - Clarion CMD-6 stereo, 6 Bose151 Speakers
- 1 -Standard Horizon Matrix AIS VHF
- 2 – 7" PA horns
- 1 - Standard Horizon CP590 12" chartplotter, GPS
- 1 - Sitex MDS1 Radar
- 1 - 4" Compass
- 2 - Dynaplate ground plates
- 1 - Paneltronics AC/DC electrical panel
- 2 - 20 KW Onan generator w/ Smart Craft link
- 1 – 50 amp Shore power cord and inlet
- 1 – 24,000 BTU HVAC unit
- 4 – 48,000 BTU HVAC unit
- 1 - Port and starboard bow light, sternlight, steaming and anchor lights
- 4 - 12V Fluorescent light fixtures for head, engine rooms
- 14 - 12V Dome lights for salon
- 1 - 12V Red/White Dome lights for capt station
- 1 - Windshield wiper motor
- 2 – 12V Spotlights for boarding area
- 2 - 12V receptacles at helm station
- 2 – Hella fans in engine room

## **PLUMBING**

### **Piping**

- Water supply hosing is rigid PVC, nylon and reinforced vinyl
- 4 - Rule 500 bilge pumps

### **Water Systems**

- 2 - 55 gal water tanks with Shurflo pressure pump and deck fill
- 2 - Sink spigot

### **Heads**

- 2 – Dometic Masterflush 8100 12V electric toilets with PAR -Max Ultra 7 salt water supply pump.
- 2 – 35 gal holding tank w/ deck pump out and manual control overboard auto discharge

## **ENGINES**

2 – QSM11 610 Cummins diesels with ZF 325A transmissions, 4 bladed fixed bronze props, S.S. strut, 21/2" Aquamet 22 shaft, PYI shaft seals. Cummins electronic controls, Vernalift wet exhaust, (2) 200 gal. aluminum fuel tanks with 10 micron filter separators. Parker hose to copper fuel lines. Elec fuel sender to Smartcraft Panel with Cummins Smart Craft Display. Composite deck access/engine removal hatch. 8D starting batteries.

## **USCG CERTIFICATION**

- USCG plans approval, documentation, initiate USCG Certification [99 passengers, 6 crew, Coastal 20 mile near shore route] Stability letter. FCC Station Inspection.