

## GC65DD

### DESIGN BRIEF

Custom designed and equipped for Key West Snorkel, Inc. The design features a double deck layout with a 180 sq foot bar and food service area. A water slide and several swim ladders add to the fun.



### SPECIFICATIONS

LOA	65'
BOA	31'
Draft	3'6"
Underwing Clearance	43'
Light Displacement	41,000 lbs (+/-)
Heavy Displacement	71,000 lbs
Passengers	149
Engines	2 x 380 hp QSB 6.7 Cummins
Fuel Capacity	2 x 200 gal
Sail Area	1556 sq ft
Cruise speed loaded	18 knots plus
Top speed	21 knots

### HULLS AND DECKS

#### **Construction**

- Hulls, decks, bridgedecks, roof and windshield built using Corecell foam, glass and Proset epoxy resin with resin infusion and vacuum-bag processes. All primary structural components and amenities built using West System construction methods.

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

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

#### **Paint & Graphics**

- Shell White hulls and superstructure
- Hull topside stripe and name - Color TBD
- 2 - Coats of Islands 77 bottom paint (3 coats at waterline). Color TBD.

### DECK FITTINGS AND EQUIPMENT

#### **Cleats**

- 7 - 15" Stainless
- 6 - 24" SS Chafe strips

#### **Lifelines**

- 1.25" welded aluminum rails on port and starboard sheers, aft wet deck, forward wet deck, upper deck and along stairways. Intermediary rope lines as required. 3/16" S.S. coated wire rope boarding gates.

#### **Deck Hatches**

- 2 - Bomar aluminum deck hatches
- 2 - Lewmar 50 hatch - rudder room
- 2 - Composite guttered engine access/removal hatches

## Windows/ Doors

- 2 – Head doors
- 8 – Paragon acrylic cabinet doors
- 1 – Paragon acrylic helm station access door
- 2 – Companionway hull access hatch/doors

## Controls: Lewmar

- 5 part mainsheet with fixed block vang
- 2 part internal main halyard
- Internal jib and spinnaker halyard
- Outhaul and slab reefing on boom
- Track and sliding car for jib sheets

## Winches

- 4 - Lewmar 50 Ocean Series
- 1 - Lewmar 48 Ocean Series
- 1 - Lewmar 44 Ocean Series
- 2 - 10" Double grip locking winch handle
- 1 - 10" Single grip locking winch handle

## Blocks and stoppers

- Lewmar stoppers, deck organizers and blocks as required

## Steering

- GCY fabricated composite rudder. Schedule 80 S.S. rudder shafts w/ UHMW bearings.
- 38" SS Destroyer wheel, Hynautic hydraulic pump to Capillano ram to bronze tiller arm. Hydraulic system in series with bypass valves for rudder adjustment
- Fixed fiberglass keels

## Spars

- 78' Charleston Spar powder coated white aluminum mast. Antal track and cars for luff. Harken main halyard sheave.
- Charleston Spar powder coated white aluminum boom with provisions for two reefs and 2-part lazyjacks.

## Rigging

- *Standing* - All standing rigging is Norseman 1 x 19
- SS wire terminating with Norseman fittings, turnbuckles and toggles to SS chainplates
- *Running* - All running rigging is GWB Halyard Braid

## Sails-Doyle Commercial duty

- Full batten IOR loose-footed main with two reefs
- Mainsail cradle cover - Color TBD
- Roller furl Jib with suncover – Color TBD
- Facnor LS330 roller furl system

## GROUND AND MOORING TACKLE

- 1 – 44 lb Bruce anchor with roller and 15'-3/8" chain and 200' of 3/4" rode.
- 1 - 35# Danforth anchor with 15'-3/8" chain and 200' of 3/4" rode.
- 4 - 50'-3/4" dock lines
- 5 – Polyform 10" x 26" Fenders

## ELECTRICAL

- 1 – Clarion CMD-7 stereo. 6 Bose 151 speakers, JBL M600/6 power amp, JBL M600 subwoofer, 2 subwoofers with enclosures.
- 1 – 12V Standard Horizon Instruments VHF w/ mast head antenna
- 1 – 4" Compass
- 1 – 12V Standard Horizon Instruments GPS and Chartplotter
- 1 – Sitex radar
- 1 - Lightning rod dissipater
- 3 – Dynaplate ground plates
- 1 - Paneltronics AC/DC electrical panel
- 2 - MDKBP 17KW Onan generators with soundshields. 110V outlets as needed.
- 4 - Lifeline AGM 8D batteries for engine and generator start bank.
- LED-Port and starboard bow light, sternlight, steaming and anchor lights
- 10 - 12V Red/white LED lights for salon
- 2 – LED spreader lights
- 6 – 12V Fluorescent lights (engine room, store rooms, bows)
- 2 - 12V receptacle
- 2 – 12V Hella fans (engine rooms)

## PLUMBING

### Piping

- Water supply hosing is rigid SEA TECH, PVC, nylon and reinforced vinyl.
- 1 -Henderson MKV emergency manual bilge pump
- 2 – 12V Rule 1000 bilge pumps in engine rooms

## **Water Systems**

- 1 – 300 gal integral water tank.
- 3 – ParMax 4 12V high head pressure pumps.
- 2 – head sinks w/spigots .
- 3 – Bar sinks w/spigots. Inline hot water heater.
- 2 - Hose bibs - starboard stern and wing deck for guest rinse.

## **Heads**

- 1 – Dometic 12V Sealand Masterflush 8100 toilets w/ Marelon thruhulls and seacocks to starboard.
- 1 – Kohler Wellworth Classic K-3575 toilet.
- 1 – 300 gal integral tank with deck pump out.

## **ENGINE**

- 2 – 380 hp QSB 6.7 Cummins diesel engines with ZF280A transmissions, 12V 160 amp alternator, 8D starting batteries, 3 bladed fixed bronze props, bronze strut, 2 1/4" Aquamet 22 shaft, PYI shaft seals. DTS controls with Smartcraft digital panels. Vernalift wet exhaust, (2) 200 gal. aluminum fuel tanks. Parker hose to copper fuel lines. Two custom guttered composite water proof engine access/removal hatches. FE-241 fire suppression system. 2" Soundproofing in engine room. Exhaust outboard.

## **ACCOMMODATIONS**

- Forward bows – Ladder to storage plate.
- Central hull forward – stairway to shelf storage area. Three 20" wide L shaped shelves plus under step storage.
- Central hulls aft – tankage, pumps, generators and engines
- Aft hulls – rudder rooms
- Console helm station with soft bimini.
- Two wet deck heads with sink, mirror, toilets.
- Upper passenger upper deck with access stairway, handrails and aft seating.
- 9' x 20' bar food prep area –Layout TBD
- Install Owner supplied keg cooler, slide cooler, ice machine, beverage dispenser and refrigerator.
- Extended deck forward of the salon and mast with seat lockers and bow rail.

- Stern deck with aluminum railing and seat lockers.
- Port stern water slide and vertical swim ladder
- Starboard horizontal stern swim ladder

## **MISCELLANEOUS**

- Buckets
- Scrub brush
- Sponges
- Toilet paper holder

## **USCG CERTIFICATION**

- USCG plans approval, documentation, initiate USCG Certification [149 passengers, 6 crew, Coastal 20 mile near shore route] Stability letter. FCC Station Inspection.

## **USCG EQUIPMENT**

Construction and equipment requirements as follows:

- GO-24-24" Ring bouy (orange) w/bracket
- Man overboard light w/rack
- Taylortec Adult Type 1 PFD's w/ retroreflective tape
- Taylortec Child's Type 1 PFD's w/retroreflective tape
- 22 man bouyant apparatus w/ links, bails, strobes
- Flares -6 Red, 6 Orange smoke hand-held
- 10 lb ABC (B II) Fire Extinguisher w/ holders
- Watertight container (flares, flashlight & whistle)
- Emergency procedures, waste plan
- 406 CAT-1 Self-launching EPIRB
- USCG Signage (MARPOL, oil, garbage, drugs, PFD)
- CSD Bulkhead Sealant
- USCG required high bilge alarm system
- First Aid Kit
- Brass Signal Bell
- Fire blanket and fasteners
- Fixed FE - 241 Fire System
- Chart of the Local Area - Electronic
- Radio/Ship's Log Book
- 1 Engine intake closure
- 2 PTO Fire Pump
- 2 USCG PTO FC300 hose with assembly ends
- 2 USCG Approved fire hose and nozzle

- 1 Brass/Bronze Fire and Raw Water System
- 1 Water Witch High Water system
- 1 Documentation
- 1 FCC Station License