

GC81WP

DESIGN BRIEF

Custom designed and equipped for long rough ferry routes. The design will provide a superior ride with excellent fuel efficiency.

SPECIFICATIONS



LOA	81'
BOA	26'6"
Draft	4'
Light Displacement	40,000 lbs (+/-)
Heavy Displacement	63,000 lbs
Passengers	86
Engines	2 x QSM 11 610HP Cummins
Fuel Capacity	2 x 300 gal
Water	125 gal
Waste	2 x 55 gal
Electronics	Standard Horizon, Sitex, Simrad
Steering	Hydraulic
AC Electric	2 x 11.5 Onan
HVAC	4 x 24,000 BTU
Cruise speed loaded	25 knots plus
Top speed	29 knots plus

HULLS, DECKS AND SUPERSTRUCTURE

Manual and Drawings

- A notebook of all purchased equipment manuals will be provided. In addition, a copy of the purchase order master for the VESSEL will be provided showing what and from whom each item was purchased. A set of USCG approved drawings will be provided.

Construction

- Hulls, deck, roof, cabin and cross beams built with Corecell foam and fiberglass using Proset epoxy resin via resin infusion and vacuum-bag processes. Amenities will be built using West System construction methods in foam/glass or wood/epoxy.

Exterior/Interior Finish

- Dupont MS 600 polyurethane paint over Dupont Corlar epoxy primer—commercial yacht finish.

Paint & Graphics

- 787176 Snow White hulls, salon and cabin exterior
- Window stripe color TBD
- Nonskid color TBD
- Bottom paint – TBD
- Cabin, stern any other graphics provided by Purchaser

DECK FITTINGS AND EQUIPMENT

Cleats

- 8 - 15" Stainless

Life Rails

- 1.25" aluminum handrails and posts as needed
- 2 – 1.25" cabin side handrails
- 1 – Roof access ladder
- 1 – stern hull ladder

Deck Hatches

- 2 – Composite engine hatches with gutters
- 4 – Bomar interior inspection hatches
- 4 – Bomar exterior aluminum hatches

Windows/ Doors

- 7 – Pompanette Marine opening windows with 3/8" glass
- 5 – Pompanette Marine fixed windows with 3/8" glass
- 1 – Pompanette Marine lockable exterior door with fixed window
- 1 – Pompanette Marine forward emergency escape window
- 2 – Pompanette Marine head access doors exit door

Steering

- Simrad autopilot 'fly by wire' steering to bronze tiller arms. Liquid tie bar. Marine Hardware bronze rudders on S.S. shaft w/UHMW bearings.

GROUND AND MOORING TACKLE

- 1 – 55 Fortress anchor with 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
- 8 – Scanmarine Fenders

ELECTRICAL

- 1 -Standard Horizon Matrix AIS VHF
- 1 - Standard Horizon CP590 12" chartplotter, GPS w/ depth sounder
- 1 – Raymarine 24 Radar
- 1 – Simrad Autopilot
- 2 – 32" LCD TV w/ DVD player and sound system
- 1 - 4" Danforth Constellation Compass
- 2 - Dynaplate ground plates
- 1 - Paneltronics AC/DC electrical panel
- 2 – 11.5 KW Onan generators w/ soundshield
- 2 – 185 watt solar panels and charge controllers
- 4 – Flagship Marine 24,000 BTU HVAC units
- 1 - Port and starboard bow light, sternlight, steaming and anchor lights
- 2 - 12V Fluorescent light fixtures for head
- 2 – 120V lights for engine room

- 8 - 12V SS Dome lights for salon
- 2 - 12V SS R/W Dome lights for capt station
- 2 – GoLight 12V spotlights
- 8 camera security system with DVR, monitor and remote viewing option
- Buell DS airhorn and compressor

PLUMBING

Piping

- Water supply hosing is rigid SeaTec, PVC, nylon and reinforced vinyl.
- 4 - Rule 1000 bilge pumps with float switch

Water Systems

- 1 – 125 gal. water tank with ParMax pressure pump and deck fill.
- 2 - sink spigot
- 1 – Hose bib for deck washdown

Head

- 2 – Dometic 8100 electric manual marine toilet, w/ marlon thruhulls and seacock.
- 2 – 55 gal holding tank with overboard and deck pump out discharge

ENGINE

- 2 – QSM 11 610hp Cummins diesels with ZF 325A transmissions, 4 bladed fixed props. Rubber mount engine mounts. 2.50" Aquamet 22 shaft, PYI shaft seals. Wet exhaust, (2) 300 gal. aluminum fuel tanks with fuel filters. Copper and Parker fuel lines. Cummins Smart Craft display panel w/oil pressure, water temp, alarms, tachometers and engine hour meters. Elec fuel sender to Smartcraft Panel. 8D Lifeline starting batteries. Composite deck access/engine removal hatch. 2" SoundDown sound proofing on hulls and underside of deck. Owners, service and parts manuals for engines, transmissions and generators.

ACCOMMODATIONS

- Two heads w/ door, sink, toilet and mirror
- Air conditioned salon with HeronRib flooring in aisles
- Springfield Senja ferry seating with seat net pockets and seat belts

- Two luggage storage areas with aluminum pipe rack, shelf and rubber floor mat
- Forward pilothouse with Llebroc LX Series 2 Helm Seat w/joystick control option
- Extended aft roof with Eisenglass enclosure

MISCELLANEOUS

- Buckets
- Scrub brush
- Sponges
- Toilet paper holder

SAFETY EQUIPMENT

Construction and equipment requirements as follows:

- 1 - GO-24-24" Ring bouy (orange) w/bracket
- 1 - ACR SM2A Man overboard light w/rack and battery
- 95 - Taylortec Adult Type 1 PFD's w/ retroflective tape
- 9 - Taylortec Child's Type 1 PFD's w/retroreflective tape
- 2 – 25 man Viking life rafts
- 1 – hand pump w/10' intake and discharge hose
- 6 - Red hand-held flares
- 6 - Orange smoke hand-held flares
- 2 - Waterproof flashlight
- 4 - D-cell batteries - dated
- 60' - 3/8" black polypropylene line(ring buoy, MOB light)
- 2 - 10 lb ABC (B II) Fire Extinguisher
- 1 - Watertight container (flares, flashlight & whistle)
- 1 - Signage (emergency procedures, waste plan, PFD Donning, oil, garbage, drugs and lettering as needed)
- 1 - 406 CAT-1 Self-launching EPIRB
- 1 - CSD Bulkhead sealant
- 2 – Engine room fire blanket and fasteners
- 2 - Engine room fixed FE - 241 Fire System
- 2 - Engine intake closure

SEA TRIALS and WARRANTY

SEA TRIALS

Seatrials will be conducted to confirm;

- Correct rpm is achieved for the engines
- Vibration and alignment is correct

- Steering is functional and that rudders go to stops
- Cummins warranty seatrial including rpm at graduated speeds, backpressure, exhaust gas temperature, oil pressure and cooling water flow.

WARRANTY

See "Schedule C"