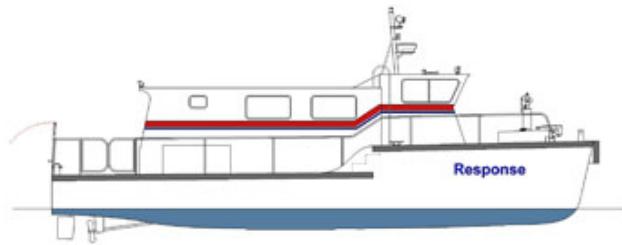


GC50R EMERGENCY RESPONSE VESSEL

DESIGN BRIEF

Emergency response vessel with capabilities for emergency evacuation and sea ambulance service, fire fighting, towing, pushing and search and rescue operations. The design features a raised high visibility helm, full perimeter accessibility, four bollards, fore and aft fire fighting stations, interior seating for 16 with additional provision for four patients. Construction will be of Corcell 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	20'7"
Draft	3'
Light Displacement	20,000 lbs
Heavy Displacement	35,000 lbs
Passengers	30
Engines	2 x 315 hp Yanmar
Fuel Capacity	2 x 150 gal
Cruise speed	24 knots
Full speed	27 knots

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
- High visibility emergency vessel striping
- Vinyl graphic exterior markings

DECK FITTINGS AND EQUIPMENT

Cleats:

- 4 – 6" Bollards
- 2 – 12" SS cleats

Liferails/Gates:

- Custom welded aluminum perimeter handrails and posts
- 2 - Boarding gates
- 1 – MOB /diver ladder on stern deck

Deck Hatches/Doors/Windows:

- 2 – Custom composite engine access hatches
- 6 – Bomar aluminum deck hatches
- 2 – Exterior entry doors
- 3 – Fixed helm windows
- 2 – Opening helm windows
- 6 – Fixed cabin side windows

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
- 1 - Lewmar Windlass with SS chafe plate

ELECTRICAL

- 1 - Standard Horizon Matrix AIS VHF w/ mast head antenna
- 1 - 4" Compass
- 1 - Standard Horizon CP590 12" chartplotter, GPS
- 1 - Sitex MDS-1 Radar 4KW
- 1 - Clarion CMD -6 sound system with 4 Bose speakers

- 2 - Dynaplate ground plates
- 2 - 24,000 BTU AC units
- 1 - 9,000 BTU AC unit
- 1 - 11.5 KW generator with starting battery and PTO for fire pump
- 1 - Paneltronics AC/DC electrical panel
- 1 - Port and starboard bow light, sternlight, steaming, towing and anchor lights
- 6 - 12V fluorescent lights fixtures for bows, engine room and rudder room
- 12- 12V interior salon red/white dome lights
- 4 - 12V GoLight spotlights
- 2 - 12V receptacles at helm station
- 2 - Hella fans in engine room
- 2 - Hella fans in engine room
- 1 - windshield wiper system

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 System:

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

Heads:

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

Fire fighting System:

- 1 - 55 GPM PTO fire pump with 50' hose and nozzle.
- 1 - 500 GPM fire pump with fixed 360 degree swivel monitor
- Bronze piping as needed

ENGINE

2 - 6LPASTP2 315 hp Yanmar diesels with ZF 63A1 transmissions, PTO for fire pump, 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
- Large foredeck with fire monitor, windlass, bumpered push bows and two tow bollards
- Large stern deck with dive/MOB ladder, boarding gates, two tow bollards and fire hose station.
- Forward helm station with two helm seats
- Cushioned salon seating for 16 passengers with storage under.
- Four patient platforms with storage under
- Head compartment w/ locking door, sink counter, toilet, mirror and ventilation system.
- Sink with storage cabinet
- Storage shelving/locker to be determined
- Two exterior wet storage lockers
- Ladder to roof.

MISCELLANEOUS

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

Safety Equipment

- 1 - GO-24-24" Ring bouy (orange) w/bracket
- 32 - Taylortec Adult Type 1 PFD's w/ retroreflective tape
- 6 - Taylortec Child's Type 1 PFD's w/retroreflective tape
- 1 - Hand pump w/10' intake & 10' outlet hose
- 6 - Red hand-held flares
- 6 - Orange smoke hand-held flares
- 3 - 10 lb ABC (B II) Fire Extinguisher w/ holders
- 1 - Watertight container (flares, flashlight & whistle)
- 1 - Emergency procedures, waste plan
- 2 - Oil/Garbage discharge plaques
- 1 - USCG required high bilge alarm system
- 2 - Fixed FE - 241 Fire System
- 2 - Engine intake closure
- 1 - Radio/Ship's Log Book