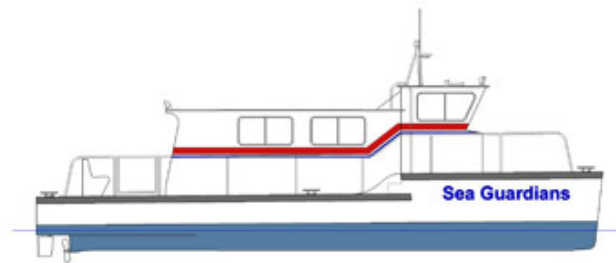


GC43R EMERGENCY RESPONSE VESSEL

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, fore and aft fire fighting stations, interior seating for 16, exterior seating for 9 with additional provision for four patients. 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	43'
BOA	20'7"
Draft	2'5"
Light Displacement	10,000 lbs
Heavy Displacement	14,800 lbs
Passengers	30
Engines	2 x 125 hp Yanmar
Fuel Capacity	2 x 100 gal
Cruise speed	18 knots
Full speed	22 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:

- 6 – 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 – Lewmar 50 deck hatches
- 4 – Bomar aluminum deck hatches
- 2 – Fixed helm windows (fore/aft)
- 2 – Opening helm side windows
- 4 – 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
- 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 bows, engine room and rudder room
- 11- 12V interior salon red/white dome lights
- 2 - 12V GoLight spotlights
- 1 - 12V receptacles at helm station
- 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 - 35 gal. polyethylene water tank w/ Jabsco Ultra Max pressure pump, accumulator and deck fill.
- 1 - 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:

- 2 - 55 GPM PTO fire pump with 50' hose and nozzle.
- Bronze piping as needed

ENGINE

2 - Yanmar 4JH3 - 4 cylinder marine diesels, set for 125 HP with 2.63:1 Yanmar KM4 marine gear. PTO for fire pumps. Morse controls and cables, Mastry instrumentpanel, with RPM, oil pressure, water temp, and engine hour meters, safety alarm, 55 amp alternator, 100 gal aluminum fuel tanks, Vernalift wet exhaust, Yanmar flexible engine mounts, GRW Drivesavers. 1.375" SS shaft, 21" 3 blade bronze prop, 2-Optima (1000 CCA) starting batteries, engine room lights, 12V electric bilge pumps, engine access hatch with gutter2

ACCOMMODATIONS

- Walk around cabin perimeter
- Large foredeck with fire station
- Large stern deck with dive/MOB ladder, boarding gates and fire station.
- Forward helm station with helm seat
- Cushioned salon seating for 16 passengers with storage under.
- Exterior seating for 9
- Four patient platforms with storage under
- Head compartment w/ locking door, sink counter, toilet, mirror and ventilation system.
- Exterior wet storage locker
- 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/ retroflective tape
- 6 - Taylortec Child's Type 1 PFD's w/retroflective 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
- 2 - Fixed FE - 241 Fire System
- 2 - Engine intake closure
- 1 - Radio/Ship's Log Boo