

GC54MS

DESIGN BRIEF

The GC54MS is a 49 passenger high-performance motor-sailing charter cat that can cruise at 20 knots and sail equally well. Designed especially for long distance routes, the 54MS allows four trips per day or getting to highly desirable distant locales to become a reality.



SPECIFICATIONS

LOA	54'
BOA	28' 9"
Draft	3' - 7'6"
Light Displacement	24,000 lbs
Heavy Displacement	34,000 lbs
Passengers	49
Engines	2 x 230 hp (up to 315 hp)
Fuel Capacity	300 - 450 gal
Sail Area	1200 sq. ft.
Cruise speed	20 knots
Full speed	24 knots

FEATURES

HULLS AND DECKS

Construction

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

Exterior Finish

- Dupont Snow White paint over epoxy primer--commercial yacht finish

Interior Finish

- Semi gloss Dupont Snow White in heads and bows.

Bottom Paint & Graphics

- 2 - Coats of Interlux Ultracote Black bottom paint (3 coats at waterline)
- Purchaser will supply vinyl graphic name and/or logo.

DECK FITTINGS AND EQUIPMENT

Cleats

- 4 - 15" Stainless
- 5 - 12" Stainless

Lifelines

- 39 1/2" welded aluminum port, starboard and stern deck life rails with intermediary lines as required. 3/16" S.S. coated wire rope boarding gates.
- Aluminum athwartship cockpit handrails port and starboard.

Deck Hatches

- 2 - Lewmar Size 70 hatches
- 2 - Lewmar Size 50 hatches
- 2- Teak Isle powder coated aluminum companionway hatches w/ Starboard doors and Lexan tops
- 2 - Composite wet locker hatches
- 2 - Bomar aluminum engine access hatches

Windows

- 2 – Beckson opening ports

Controls

- 5- part mainsheet
- 2- part internal main halyard
- Internal jib and spinnaker halyard
- Outhaul and slab reefing on boom
- Vang control for boom
- Fixed jib sheet blocks
- Lewmar stoppers, deck organizers and blocks as required

Winches

- 5 - Lewmar 44 Ocean Series
- 1 - Lewmar 40 Ocean Series
- 2 - 10" Double grip locking winch handle

Steering

- 32" SS Destroyer wheel via Hynautic hydraulic steering system with Parker high pressure hose in series to bronze tiller arms.
- GCY fabricated fiberglass rudders on Schedule 80 rudder shafts.

Spars

- 62' Charleston Spa aluminum mast with slot for Ronstan sail slides. Harken main halyard sheave. Internal halyards and tangs.
- Charleston Spar aluminum boom with provisions for two reefs, internal outhaul and lazy jacks.

Rigging

- *Standing* - All standing rigging is 316 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 loose-footed main with two battens and two reefs.
- Mainsail cover
- Hanked on working jib with sail bag.

GROUND AND MOORING TACKLE

- 1 – 44 lewmar Claw with bow anchor with roller and 15'- 3/8" chain and 200' of 3/4" rode.
- 1 – 44 danforth Style anchor with 15'- 3/8" chain and 200' of 3/4" rode.
- 4 - 50' 3/4" dock lines
- 5 - Scanmarin Fenders

ELECTRICAL

- 1 – Clarion CMD 6 stereo with AM/FM/CD and wireless remote control. 4 Bose Speakers
- 1 - Raymarine VHF w/ mast head antenna
- 1 – 4" Compass
- 1 - Lightning rod dissipater
- 3 – Dynaplate ground plates
- 1 - Paneltronics DC electrical panel
- Gold Coast cross charging battery
- 1-Port and starboard bow light, sternlight, steaming and anchor lights
- 8 – 12V interior light fixtures
- 4 – 12V S.S. Dome lights for salon
- 1 - 12V receptacle

PLUMBING

Piping

- Water supply hosing is rigid PVC, nylon and reinforced vinyl.
- 1 -Henderson MKV emergency manual bilge pump
- 4 - Rule 500 bilge pumps

Water Systems

- 2 – 55 gal. water tanks each with Shurflo pressure pump and deck fill.
- 3 - sink spigots
- Hose bib in wingfairing

Heads

- 2 – Jabsco manual toilets w/Marelon thruhulls and seacocks.
- Manual control overboard discharge

ENGINE

2 – QSB 5.9 230hp Cummins diesels with ZF 220A 2:1 straight drive transmissions, 24" 3 bladed fixed bronze props, bronze strut, 1.75" Aquamet 22 shaft, PYI shaft seals. Globe drive savers. Morse controls, 2 Custom Di Angelo risers, 6" Vernalift wet exhaust, (2) 150 gal. aluminum fuel tanks with 10 micron filter separators. Parker hose to copper fuel lines. Elec fuel sender and gauges. Instrument panel w/oil pressure, water temp, alarms, tachometers and engine hour meters. 8D starting batteries. 130 amp alternator.

OTHER SAFETY FEATURES

- 2 - Sunrise forward nets flush to deck
- 1 - Aluminum Stairway to the Sea forward

- Multiple watertight bulkheads and subfloor compartments

ACCOMMODATIONS

- Heads w/ sink in port and starboard cabins forward
- Fixed keels
- Fuel in extended engine room below bridgedeck in each hull.
- Cockpit seating areas TBD
- U-Bar with icebox, storage cabinets and sink
- Protective roof with Thru bolted 3/8" Acrylic windscreen

CUSTOM WOODWORK

- Misc. teak trim on tables and counters

MISCELLANEOUS

Buckets, scrub brush, sponges, toilet paper holders, winch handle holders