

## GC65MS

### DESIGN BRIEF

*Marlin* was custom-designed and equipped for [Marlin del Rey Sailing Tours](#) of Costa Rica. The design features multiple seating areas plus an enlarged salon roof. The aft beam has been widened and safety rails added to allow guests to be closer to the sailing experience. A refrigerator, microwave, commercial sink and ample storage have been added to the enlarged bar. A teak centerpiece table and u-shaped settees create a “yacht-like” ambiance. Power demands are met by a 24 v DC wind power/inverter system and high output engine charging system. A water slide, several swim ladders and a 14’ rigid inflatable add to the fun.



### SPECIFICATIONS

LOA	65'
BOA	29' 6"
Draft	3' 6"
Underwing Clearance	44"
Light Displacement	34,000 lbs
Heavy Displacement	48,000 lbs
Passengers	90
Engines	2 x 315 hp
Cummins	
Fuel Capacity	2 x 150 gal
Sail Area	1569 sq. ft.
Cruise speed	20 knots
Full speed	24 knots

### FEATURES

#### HULLS, DECKS

##### **Construction**

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

##### **Exterior Finish**

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

##### **Interior Finish**

- Semi gloss Dupont Marine Snow White polyurethane paint in heads and berth cabins.

#### DECK FITTINGS AND EQUIPMENT

##### **Cleats**

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

##### **Lifelines**

- 1.5" welded aluminum rails on port and starboard sheers, aft beam/captain station, aft wet deck, port and starboard deck to wet deck stairs and deck to roof stair. Intermediary rope lines as required. 3/16" S.S. coated wire rope boarding gates.

##### **Deck Hatches**

- 2 - Lewmar Size 70 hatches - foredeck
- 2 - Lewmar Size 50 hatches - aft deck
- 2 - Lewmar Size 2 portlights - berths
- 2 - Composite wet locker hatches
- 2 - Bomar aluminum engine hatches

## Windows/Doors

- 6 – Beckson opening ports
- 2 – Fixed acrylic cabin side windows
- 4 – Eisenglass zip/rollup side windows with secured fastened perimeter.
- 4 – Davis style plexiglass ventilation windows on windscreen face.
- 2 – Head doors
- 2 - Cabin doors
- 8 – Paragon acrylic cabinet access doors

## Controls: Lewmar

- 5 part mainsheet to mainsheet traveller
- 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 for careening

## Spars

- 72' 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 - Red
- Roller furl Jib with suncover – Red
- Profurl NI-52 roller furl system
- Boom cradle on bimini roof forward

## 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 - Scanmarin Fenders
- Caribe C14' hardbottom dinghy with 25 hp Yamaha outboard rigged to davits.

## ELECTRICAL

- 1 – 12V Clarion XMD stereo IPOD adaptor and remote control. 4 Bose Speakers
- 1 – 12V Standard Horizon Instruments VHF w/ mast head antenna
- 1 – 4" Compass
- 1 – 24V Simrad AP28 Autopilot w/ RPU300 Drive and rudder indicator
- 1 – 12V Standard Horizon Instruments GPS and Chartplotter
- 1 - Lightning rod dissapater
- 3 – Dynaplate ground plates
- 1 - Paneltronics AC/DC electrical panel
- 1 – 24V to 12V step down transformer
- 1 – Outback VFX3524 M 24V / 120V 3500/6000 watt Inverter
- 4 – Lifeline AGM 8D batteries for house bank (24V)
- 4 - Lifeline AGM 8D batteries for engine start bank(24V)
- 2 – Air- X MX-2 24V wind generators
- LED-Port and starboard bow light, sternlight, steaming and anchor lights
- 10 – 24V LED lights for salon, berths and heads
- 4 – 24VFluorescent lights (engine room and bows)
- 1 - 12V receptacle
- 2 – 24V Hella fans (engine room and berths)
- 2 – Solar exhaust fans for heads
- 1 – 4.2 cu ft refrigerator 110V 60Hz
- 1 – 1.1 cu ft microwave 110V 60Hz

## PLUMBING

### **Piping**

- Water supply hosing is rigid SEA TECH, PVC, nylon and reinforced vinyl.
- 1 -Henderson MKV emergency manual bilge pump
- 2 – 24V Rule 1000 bilge pumps in engine rooms
- 2 – 24V Rule 1000 bilge - one each bow
- 6 – Orange smoke hand held flares
- 3 – 10 lb ABC (BII) Fire Extinguishers
- Oil and garbage discharge plaques
- FE-241 fire suppression system w/ auto and manual shutdown
- Engine air intake closure
- Stern protective slats
- Multiple watertight bulkheads and subfloor compartments
- 10' spray rails on port and starboard bows
- 10' hull protection slats on outboard sterns

### **Water Systems**

- 2 – 125 gal integral water tanks with roof water catchment.
- 2 – Headhunter X- Caliber 24V high head pressure pumps located in galley sink.
- 3 – sinks with spigots . Bar sink has one piece drain board/sink with tall spigot. Head sink spigots. Shower heads port and starboard.
- 2 - Hose bib in starboard stern and wing deck for guest rinse.
- 1 –Groco C60 24V Salt water washdown pump w/ hose bib in wing fairing and bar sink spigot.

### **Heads**

- 2 – Dometic 24V Sealand Masterflush 8900 toilets w/ Marelon thruhulls and seacocks.
- 2 – 35 gal holding tanks with auto discharge system.

## ENGINE

2 – 315 hp mechanical reconditioned Cummins diesel engines using PURCHASERS V-drive transmissions, 24V alternator and starter, 24V 8D starting batteries, 3 bladed fixed bronze props, bronze strut, 2" Aquamet 22 shaft, PYI shaft seals. Morse controls, Vernalift wet exhaust, (2) 150 gal. aluminum fuel tanks. Parker hose to copper fuel lines. Elec fuel sender and gauges. 24V Instrument panel w/oil pressure, water temp, alarms,

tachometers and engine hour meters. Bomar aluminum deck access hatch. Hella fan and shelf(s) in each engine room. FE-241 fire suppression system.

## ACCOMMODATIONS

- Forward – Aluminum ladder to bunk plate and storage area. Water and holding tanks in each bow.
- Cabins – Door, toilet, sink, mirror and solar exhaust fan in each head compartment. Berth aft with cushion, shelf up and storage under. Beckson ports outboard. Berth has Lewmar port below wetdeck for ventilation.
- Custom 8' wide helm station with 12' composite bimini roof on aluminum frame with boom cradle and water diverter. 12' Curved fiberglass seat under bimini.
- Extra wide aft beam with stair access and aluminum protective rails. Paragon doors to storage under.
- Stern deck with aluminum railing and wind generator attachment poles, davit and snorkel gear storage box seats.
- Stern water slide with boarding ladder
- Starboard stern swim ladder
- Sterns cut away for easy boarding.
- Protective slats on outboard sterns 10'
- Custom bar layout featuring (2) 6' L's and one piece SS sink drain and sink and flip up bar entrance. 3 burner propane stove.
- 4' x 8' teak plywood centerpiece table with flush teak trim and 2' x 6' storage under with 2 Paragon double doors for access to storage.
- All salon seats are flat with no backs and have lifting lids for access to seat storage area and 2" upholstered cushions. Double Paragon door to storage in center of forward seat area.
- Enlarged protective roof with mega yacht style overhanging edge doubler and water catchment system. Windshield has ventilation style window. Cabin sides have acrylic and Eisenglass windows. Includes roof access stairs with aluminum rails.
- Custom stern design with hull cut away for easy loading, steps to wet deck and hull protective slats.
- 6 – Double pedestal tables

## **CUSTOM WOODWORK**

- Painted bar top and tables w/out C-rails
- Bright finished center piece teak table
- Misc. teak trim on counters

## **MISCELLANEOUS**

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

## **OTHER SAFETY FEATURES**

- 2 - Sunrise nets forward
- 1 - Aluminum Stairway to the Sea forward
- 1 – starboard stern boarding ladder
- 2 – Ring bouys w/ racks
- 90 – Taylortec adult Type 1 PFD
- 20 – Taylortec child Type 1 PFD
- 6 – Red hand held flare