

GC65LS

DESIGN BRIEF

Our most luxurious charter yacht! Captain Andy and a team of expert craftsmen have achieved a superior quality design and finish that makes this vessel a stunning beauty. *Southern Star* provides personalized day sail adventure to an upscale clientele in Kauai, Hawaii. She is equipped with a full kitchen, grill and bar. [Visit their website](#) to see more of this exciting yacht.



SPECIFICATIONS

LOA	65'
BOA	29' 9"
Draft	3' 6" – 8'
Light Displacement	46,000 lbs
Heavy Displacement	60,000 lbs
Passengers	49
Engines	2 x 405 hp
Sail Area	1,520 sq.ft.
Bruce #	1.25

FEATURES

HULLS AND DECKS

Construction

- ATC foam, glass and CPD epoxy resin using resin infusion and vacuum bag construction methods and assembled using WEST SYSTEM™ Epoxy resin.
- Thin bows using glass rod and fiberglass

Exterior Finish

- Alexseal paint over epoxy primer--commercial yacht finish

Interior Finish

- Awlgrip – Moon Dust semi-gloss in cabin areas.
- TileClad in rudder area and bow.

Paint & Graphics

- Aristo Dark Blue hulls and onto outboard and inboard sheers, underwing and wingfairing, Oyster White salon, cabin, flybridge, longitudinal beams and forward beam. Snow White mast,

- boom and 2" boot stripe above 2" blue. 1" gold vinyl stripe thru portlight layout
- 2 - Coats of bottom paint (3 coats at waterline). Intersleek 900 Black . White boot stripe
- Nonskid – sand in epoxy - painted Moondust
- Hull markings as per USCG minimum requirements.
- Gold Vinyl name

DECK FITTINGS AND EQUIPMENT

Cleats

- 9 - 15" Stainless Test 'White Cap' or Owner made

Fairleads

- 2 - 7 3/4" Bow chocks Owner made

Lifelines/Handrails

- 1-5/8" OD SS Supplied by Owner.
- 1x19 1/8 wire with Suncor fittings, not installed, 4 inch spacing, TBD gates and stern deck

- 4 - WESCO S.S. raft holders
- 4 - WESCO S.S. roof posts

Deck Hatches

- 2 - Lewmar Size 70 hatches
- 2 - Lewmar size 20 opening hatches (or ports?) in each second window outboard of center
- 4 - Foam/glass wet locker hatches
- 22 - Tempress utility hatches for seats and rudder room access
- 2 - 10 inch round access ports, wing fairing to hull forward

Windows

- 6 - Lewmar SS 7RE ports

Controls

- 5- part Lewmar traveler mainsheet
- 2- part internal main halyard
- Internal jib and spinnaker halyards
- Outhaul and slab reefing on boom
- Lewmar jib sheet cars / track
- Daggerboards. (up/down) controls at board.

Winches

- 4 - Lewmar 50 EST Series, Helm
- 1 - Lewmar 54 EST, Main Hal.
- 1 - Lewmar 48 Ocean Series, Boom Reefing
- 1 - Lewmar 44 Ocean Series, Jib Hal.
- 2 - 10" Double grip locking winch handle
- 1 - 10" Single grip locking winch handle

BLOCKS AND TURNING BLOCKS

- Lewmar stoppers, deck organizers and blocks as required
- Antal main halyard stopper, Jib halyard stowage car
- Harken sheaves in / on mast

Steering and Rudders

- 48" Teak rimmed SS destroyer wheel, Edson blkhd steerer, 12" quadrant, 5/16" cables and 6" bronze pulleys.
- GCY molded fiberglass rudders on Schedule 160 2.5" S.S. pipe w/ Vesconite bearings.

Spars

- 72' GCY Carbon fiber rotating wing spar 3/4 rig with rotator
- Harken C series track and cars for luff
- S.S. and Vesconite mast rotation base

- Charleston Spar boom with provisions for three reefs and 2-part lazyjacks

Rigging

- *Standing* - All standing rigging is Norseman Dyform
- SS wire terminating with Norseman fittings, turnbuckles and toggles to SS chainplates
- *Running* - All running rigging is GWB Halyard Braid
- *Halyards*- Samson T100 Main & Jib

Sails

- Full batten IOR loose-footed main with three reefs.
- Mainsail Cradle cover -
- N-52 Profurl roller furling system. Facnor Harken
- Furler Jib with sun protector - color
- Facnor furler - Code Zero sail

GROUND AND MOORING TACKLE

- 1 - 110# BRUCE, 400'-3/8" chain
- 1 - Maxwell Anchor windlass
- 1 - Imtra IACL-40 Bow Anchor Roller
- 1 - 55# Fortress(supplied by Owner), 15'-3/8" chain and 200'-3/4" rode
- 4 - 50'-3/4" dock lines
- 4 - Scanmarin fenders TBD by Andy for size

ELECTRICAL

- 1 - Clarion CMD5 stereo with separate AMP, IPOD adaptor and remote control. 4prs Bose 131 Speakers(2 fwd, 2 on roof, 4 in salon), Niles audio speaker volume control.
- 1 - 4 1/2" Danforth Constellation Compass
- 1 - Raymarine E120 display
- 1 - Ray Marine VHF
- 1 - Raymarine autopilot TBD, gear drive
- 1 Raymarine triducer depth, speed, temp
- 1 - Raymarine Radar, 4KW Radome (Owner supply post)
- 1 - Raymarine AIS receiver or ACR transceiver
- 1 - Lightning rod dissipater, at top of mast
- 1 - Sigma Six VHF antenna
- Temporary trip lightning ground system
- 4 - Dynaplate ground plates
- GCY cross charging/starting battery switch system, auto charge relays TBD
- Blue Seas HD switching

- Outback 2500 watt inverter/charger
- Batteries 6 Lifeline 8-D, possibly additional Optima for genset
- 2 – Blue Sea AC/DC electrical panels
- 21 KW Onan Generator. Interfaced to Cummins smartcraft panels

Lighting need updating waiting client final decisions, All Are LED

- 1-Port and starboard bow light, sternlight, steaming and anchor lights
- Stern deck light
- Foredeck light
- Roof lights lighting mast (2)
- 10 – 12V Interior light fixtures
- 6 – 12V S.S. Dome lights for salon
- 8 - 110V outlets
- 1 - 12V receptacle at helm

PLUMBING

Piping

- Water supply tubing is SEATECH w/ misc. PVC/nylon & reinforced vinyl.
- 1 - Henderson MKV emergency manual bilge pump
- 8 - Rule 2000 UL sump pumps
- 1 - Rule 500 crew shower pump intergral with float
- 6- High water alarms for each compartment
- Water Witch High level bilge indicator panel
- GCY customized Blue Seas switching panel, bilge pumps

Water Systems

- 1 – 185 gal. water tank w/ Jabsco Ultra Max pressure pump, no accumulator and deck fill.
- 4 – sinks w/ hot/cold spigots (Andy supply)
- 2 - hot/cold shower at stbd stern, Scanvick
- Hose bib in wingfairing and port flank cold only
- Seaward UL hot water from stbd Engine

Heads:

- 2 - Kohler Wellsworth toilets,
- 2 - Integral holding tanks, w/ Marelon thruhulls and seacocks, 1-1/2" vent and 1-1/2" deck pump out.
- 2 - Parmax pressure salt water pumps for toilets
- 2 – Sea Land Macerator pumps, switches at elec panel

ENGINE

2 – QSL 405hp Cummins diesels with ZF 325-A1 transmission 2.245 ratio, Cummins Glendenning engine controls , 4 bladed 30" x 30" fixed bronze props , GCY strut, 2" Aquamet 22 shaft, PYI shaft seals. Globe drive savers. Vernalift wet exhaust, 2 - 150 gal. Aluminum fuel tanks with 10 Micron RACOR separators. Smartcraft panels as supplied, fuel senders integrated to displays, Isspro Pyrometers. 2" Sound down foam/ lead soundproofing. Walker Air Sep type system as supplied by Cummins. Engine room access door. ATC foam engine seat/deck hatch.

OTHER SAFETY FEATURES

- 2 - Sunrise forward nets, supplied by Owner
- 2 – Stern flip up stern swim platforms supplied by Owner
- Multiple watertight bulkheads and subfloor compartments
- Majority of safety gear to be shipped to Kauai
- Custom davits

ACCOMMODATIONS

- Two heads w/locking foam/glass doors and S.S sinks.
- Storage shelves port aft with locking foam/glass door; 3 shelves inboard, 2 outboard.
- Bunk plates w/ aluminum access ladder in each bow
- Cockpit seating areas as drawn
- Custom bar and Galley as drawn with Stone and Corian counter tops
- JPD roof with flush glass windows
- Glass frame bimini with hard top
- Maritime Wood products wet deck 3/8" Teak flooring
- Owner-Supplied all tables and bases
- Foam glass plates in Sunbrella (color) over life rafts
- 2 – removable outboard seats with 3' replaceable bunk plate

CUSTOM WOODWORK

- 1 - Bar top - Supplied by Owner
- Misc. teak trim on tables and counters Owner

MISCELLANEOUS

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

USCG CERTIFICATION

- USCG plans approval, documentation, initiate USCG Certification [49 passengers, 8 crew, Exposed route. Stability letter. Consultation with your local OCMI to expedite final certificate. FCC Station Inspection and Safety Certificate.