

EFFECTIVE DATE
January 15th, 2010

Specifications^(A)
GLOBAL 100 MOTOR YACHT
by
Cheoy Lee Shipyards

Length Overall	100'0"	30.48 m
Length Waterline	87'3"	26.59 m
Beam	22'0"	6.71 m
Draft	5'10"	1.78 m
Displacement (full load – est.)	216,000 lbs	98,000 kg
Fuel ^(B)	5,000 USG	18,930 ltr
Water ^(B)	600 USG	2,270 ltr
Holding Tank ^(B)	350 USG	1,320 ltr
Gray Water Tank ^(B)	350 USG	1,320 ltr
Engines	Twin CATERPILLAR C32 ACERT, 1900 bhp each	
Generators	Twin Onan 40 kW, 50 Hz	
Naval Architect ^(D)	M.G. Burvenich, Inc.	
Interior Designer	Lisa Pirofsky Designs, Inc.	

STANDARD EQUIPMENT

Construction & Finish

- Hull, deck and superstructure of DIVINYCELL or equivalent cored fiberglass
- Bi-axial and multi-axial E-glass reinforcement
- Double bottom fiberglass fuel, fresh water and holding tanks
- Fiberglass rub rail with stainless steel capping
- Tinted (except in pilothouse) tempered glass windows, utilizing high strength, adhesion style window system
- ALEXSEAL exterior finish (Off White with Black trim)
- ALEXSEAL non-skid exterior decks
- Vinylester hull laminates and epoxy barrier system applied to hull bottom, with five-year structural and anti-osmosis warranty
- Two coats of anti-foul bottom paint
- Raised panel cabinetry for interior doors and cabinet doors (except crew area and galley). Accent wood is optional

Deck

- All hardware chrome on brass, 316 stainless steel or anodized/painted aluminum
- Vertical anchor windlass, MAXWELL VWC 4000, with 1/2" chain cathead and rope capstan, deck pipe and chain stopper. Local controls with remote in pilothouse
- One 176 lb. (80 kg) BRUCE anchor stowed on roller assembly on bow
- 200' of 1/2" high test galvanized chain
- Fresh water anchor wash down
- BUELL twin trumpet air horn

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- Stainless steel mooring bollards (8)
 - Stainless steel fairleads
 - Stainless steel rails, 1.5"
 - Stainless steel burgee staff on bow rail
 - Navigation lights
 - Boarding gates port (2) and starboard (2)
 - Step plate at deck entrances
 - Overhead lights for side decks
 - Scuppers draining to boot top
 - Foredeck storage locker for fenders and lines
 - Stainless steel flag staff

Electrical Systems

- 240vAC and 24/12vDC electrical panels, main panels in engine room and zone panels throughout vessel
- ACR 100 searchlight with remote control
- LED lighting throughout for interior, exterior, rope, cabinet, navigation, step and engine room lights
- Overhead light fixtures throughout with dimmers in specified areas
- Soffit and floor rope lighting with control switches
- Automatic wardrobe lights
- Emergency lights, automatic at loss of primary lighting system, operating from an independent DC power supply. Removable emergency flashlights in each stateroom
- 240vAC receptacles in galley, heads, engine room and exterior are protected with GFI safety breakers
- Two banks of 24vDC, 210 amp-hour batteries for engines and ship service
- Emergency engine start battery parallel system
- Two sets of 12vDC, 175 amp-hour batteries for generator starting
- 12vDC, 20 amp battery charger
- One bank of 24vDC, 210 amp-hour gel batteries with 24vDC, 60 amp battery charger and 50 amp VANNER 12vDC power supply. 12 spare 24/12vDC circuit breakers in sub-panel for electronics use
- Two GLENDINNING shore power Cablemaster systems, 240vAC, 100 amp with 120 ft. cables. System arranged on a split buss bar, one side dedicated to air conditioning supply, the other for all other services
- Shore telephone inlet, with 120' cable located in transom locker
- Shore cable television inlet, with 120' cable located in transom locker
- Copper bonding system, connecting all through hull fittings and major metal components to exterior hull zinc anodes
- Isolation transformers (2x25 kVA) for shore power system
- Dynaplate grounding plate and strap to pilothouse and flybridge ground terminal boards
- Voltmeters and ammeters for supply circuits
- Generating set/shore power selector switches and shore power polarity indicator
- Lightning arrestor system
- LCD touch screen control/alarm monitoring system with audible and visual signals displayed on Programmable Logic Controller (PLC) located in pilothouse for generator

low oil pressure, generator high temperature, high bilge level, and smoke detectors (engine room, staterooms, galley, salon). Security alarm sensors on all doors and hatches. Navigation light control and monitoring.

Engine Room/Machinery

- NAIAD 46 hp, 16" hydraulic bow thruster with single station control
- NAIAD stabilizer system with 9' fins and single station Multisea controls
- Twin CATERPILLAR C32 ACERT, 1900 bhp diesel engines, fresh water cooled, electronic injection / governor, 24vDC starting
- Standard engine makers instrumentation
- Underwater exhausts, with bypass and fiberglass mufflers
- Onan generators, 2 x 40 kW with hydrolastic mounts, sound shields and remote start/stop controls in pilothouse
- Local mounted start/stop instrument panels for main engines and generators
- CENTEK combo generator mufflers, air/water separator type, with hull side outlet
- 240vAC reverse cycle chilled water air conditioning (except engine room)
- Engineered engine room ventilating system via air/water separators on hull side with automatic shut down devices on intake blowers
- Engineered fire protection system, consisting of manually and automatically actuated FM200 fire extinguishing system. Upon system actuation audio/visual alarms sound, blowers shut down and hull side ventilation inlet dampers are closed
- Power hydraulic steering system, including valves for optional autopilot installation
- Engine driven emergency bilge pumping system for engine room bilges
- REVERSO lube oil change system with manifold and hoses to all engines and gearboxes
- RACOR fuel filters for main engines, manifolded three per main engine
- RACOR filters for generators, one each
- RACOR vacuum gauges on main engine and generator supply (4)
- Two 30 gallon water heaters, dual element, quick recovery type
- HEADHUNTER Mach 5 water pump and accumulator tank for fresh water pressure system
- Cartridge style whole system water filter unit
- Sink with fresh water hose bib
- Automatic sump pumps
- Automatic bilge pumps for each compartment
- Fuel management system consisting of fuel shut-off valves, fuel transfer pump with meter system and selector manifold
- HART Tank Tender gauges for fuel, fresh water, black water and grey water tanks, pneumatic pump type
- Black water tank level indicator and high level alarm
- Black water system with Y-valve selector to allow direct discharge overboard or into holding tank. Macerator pump for pump out of holding tank direct over board, or to vented deck fitting for shore side disposal
- GROCO bronze raw water strainers for all engines and sea water pump intakes
- Seacocks on all through hull fittings below the waterline
- Fiberglass battery boxes
- Battery condition indicator

- Engineered sound vibration and noise attenuation system for engine room spaces consisting of lead tile sound barriers and Mylar faced synthetic lead-foam insulation covered with white painted aluminum perforated sheeting. Custom sound mounts for main engines, generators, engine room stanchions, head pumps/motors, air conditioning compressors and sea water cooling pumps
- AQUAMET 22 or equal propeller shafts
- Stainless steel rudder blades
- Nibral propeller shaft struts
- Nibral propellers, 5 blade, class S, dynamically balanced
- DURAMAX cutlass rubber stern and rudder bearings
- PYI packless shaft seals
- Overhead lights
- Smoke detectors
- Telephone jack
- 240vAC outlets (2 single GFI)
- Watertight entrance door from crew quarters
- Watertight emergency escape hatch from engine room to guest staterooms

Pilothouse

- TELEFLEX/HYNAUTIC hydraulic power steering
- MATHERS MC2000-2 electronic engine controls
- Custom stainless steel wheel
- Engine instrumentation and alarms
- Instrument and electronics console
- Windshield defroster
- Windshield wipers with fresh water wash system
- Remote control for anchor windlass and searchlight
- Red night light and switch
- Halogen ceiling lights with control switches
- High quality vinyl flooring
- L-shaped settee with wood topped table
- Sliding glass and stainless steel doors to boat deck
- Programmable Logic Control (see "Electrical Systems")
- 240vAC duplex outlets (2)
- Telephone jack
- STIDD helmsman's seat with vinyl cover
- Bench seat with storage
- Electrical panel and storage cabinets
- Wet bar cabinet with sink and cold water faucet, with U-LINE combo refrigerator/icemaker

Sundeck

- Hatch and stairs to aft deck with stainless steel gate
- Painted fiberglass lockers for sink with cold water faucet, fresh water wash down hose bib, and space for optional JENNAIRE barbeque grill
- 240vAC outlets (2 single GFI)

- Hydraulic davit, 1,700 lb., with 12' boom, standpipe and power rotation
- Custom four person Jacuzzi incorporating a bar. Bar stools are optional
- Painted fiberglass bar top
- L-shaped settee with upholstered cushions and storage under
- Stainless steel rails around sides of sun deck
- Scuppers and drainage system for water to lower deck

Salon and Day Head

- Wet bar with U-LINE model 75 refrigerator/icemaker combo unit and liquor storage
- Staircase down to staterooms
- Stainless steel tinted tempered glass doors to aft deck
- Telephone jack
- Smoke detector
- Cabinet for entertainment center, no units
- Ceiling lights with control/dimmer switches
- Soffit and floor lighting
- Built-in settee and cocktail table
- Wooden dining table
- Dining buffet unit
- Overhead dining light fixture
- 240vAC outlets (5 duplex in salon, 1 single GFI in head)
- Pantograph door to starboard side deck
- Day head with HEADHUNTER electric head (fresh water flush), faucets and accessories, stone^(C) counter top with sink. Exhaust blower in head.

Galley

- Stainless steel range/oven unit
- Stainless steel microwave oven with ventilation hood
- Stainless steel side-by-side refrigerator/freezer with ice dispenser
- Butlers pantry with door to dining room
- Stainless steel dishwasher
- Stainless steel double sink
- Faucet with removable sprayer handle
- Garbage disposal
- Stone^(C) counter top
- Smoke detector
- Ceiling lights
- Under cabinet lights
- 240vAC outlets (4 single GFI)
- Storage lockers
- Pantograph door to port side deck
- Door for starboard entry from foyer

Observation Lounge

- Raised U-shaped dinette settee with wood topped table
- Smoke detector

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- High quality vinyl flooring
 - Ceiling lights with control switch
 - Storage cabinets and drawers
 - Stairways to pilothouse and main deck
 - 240vAC duplex outlets, (2)
 - Telephone jack

Main Deck Master Stateroom and Head

- King berth with storage drawers under
- Over the berth soffit with indirect lighting on dimmer control
- Two night tables with storage
- Entertainment cabinet, no units
- Telephone jack
- Smoke detector
- Storage lockers
- Two closets, cedar lined on back surfaces with automatic lights
- Built-in vanity desk with seat, storage drawers and mirror
- Ceiling lights with dimmer switch
- Soffit and floor lights
- Berth reading lights
- Steps down to master head
- HEADHUNTER electric head (fresh water flush)
- Stall shower
- Faucets and bath accessories
- stone^(C) counter top with two sinks, storage cabinet underneath
- Mirrored medicine cabinets (2)
- Exhaust blower
- Overhead skylight in head
- 240vAC outlets (3 duplex in stateroom, 2 single GFI in head)

Lower Guest Foyer

- Staircase from salon
- Stewardess locker with 27" MAYTAG washer and dryer
- Indirect lighting in overhead vaulted ceiling
- Locker (refrigerator optional)

Lower Deck Master Stateroom and Head

- King berth with storage drawers under
- Two large fixed port lights with shades
- Over the berth soffit with indirect lighting on dimmer control
- Two night tables
- Entertainment cabinet, no units
- Telephone jack
- Smoke detector
- Two closets, cedar lined on back surfaces with automatic lights
- Upholstered settee

- Ceiling lights with dimmer switch
- Soffit and floor lights
- Two berth reading lights
- HEADHUNTER electric head (fresh water flush)
- Jetted tub and separate stall shower
- Faucets and bath accessories
- Stone^(C) counter top with two sinks, storage cabinet underneath
- Mirrored medicine cabinets (2)
- Exhaust blower
- 240vAC outlets (3 duplex in stateroom, 2 single GFI in head)
- Vanity/make-up counter

V.I.P. Queen Staterooms and Heads (2)

- Island queen berth with storage drawers
- Storage cabinets
- Two large fixed port lights with shades
- Over the berth soffit with indirect lighting on dimmer control
- Two night tables with storage
- Dresser with storage locker
- Telephone jack
- Smoke detector
- Mirrored wardrobe with cedar lined back surface and automatic light
- Ceiling lights
- Soffit and floor lights
- Two reading lights
- Entertainment cabinet, no units
- Stall shower
- HEADHUNTER electric head (fresh water flush)
- Mirrored medicine cabinet
- Faucets and bath accessories
- Stone^(C) counter top with sink and storage cabinet underneath
- Exhaust blower
- 240vAC outlets (3 duplex in stateroom, 2 single GFI in head)
- Emergency exit to engine room

Captain's Cabin and Head

- Double berth
- Ceiling lights
- Reading light
- Smoke detector
- Wardrobe cedar lined on back surface
- Telephone jack
- GALLEY MAID electric head, (fresh water flush)
- Stall shower
- Faucets and bath accessories
- CORIAN counter top with sink

- Mirrored medicine cabinet
- Exhaust blower
- 240vAC outlets (1 duplex in stateroom, 1 single GFI in head)

Crew Cabin #2

- Upper and lower berths
- Smoke detector
- Wardrobe cedar lined on back surface
- Ceiling lights
- Reading lights (2)
- Telephone jack

Crew Cabin #3

- Single berth
- Smoke detector
- Wardrobe cedar lined on back surface
- Ceiling lights
- Reading light
- Telephone jack

Crew Head

- GALLEY MAID electric head (fresh water flush)
- Stall shower
- CORIAN counter top with sink
- Mirrored medicine cabinet
- Faucets and bath accessories
- Exhaust blower
- 240vAC outlets (1 duplex in stateroom, 1 single GFI in head)

Crew Lounge

- Settee with CORIAN table
- High quality vinyl flooring
- 240vAC duplex outlets (2)
- Telephone jack
- Ceiling lights
- Watertight door to engine room
- Watertight door to sport deck
- Access stair to aft deck
- Refrigerator with microwave over

Aft Deck

- Molded fiberglass stairs to flybridge with hatch
- Painted non-skid deck
- Fiberglass settees with upholstered cushions
- Painted fiberglass pedestal mounted table

- U-LINE combo refrigerator/icemaker in painted fiberglass cabinet. Wash down hose bib inside cabinet
- Stainless steel gates at swim platform stairs
- Twin stairs to swim platform
- Wing doors to side decks, port and starboard
- Overhead lights with control switch
- Storage cabinets
- Access stairs to crew quarters

Transom and Swim Platform

- Painted non-skid swim deck
- Stainless steel swim ladder
- Stainless steel U-shaped rails
- Fresh water telephone shower, hot and cold
- Locker for shore power, TV and telephone inlets
- Two 8" stainless steel fold-up cleats port and starboard
- 12" centerline mooring cleat
- Transom access to crew quarters
- Storage lockers

Owner's Manual

- Vessel supplied with a list of major equipment, serial numbers and manufacturers' contact details. Manufacturer equipment manuals will be supplied as available. Drawings for major systems, safety, and docking plans are supplied on CD.

Optional Equipment

- Electronics
- Remote plug-in stations for engine/thruster control
- RITCHIE 5" compass with light, dimmer and cover in pilothouse
- Teak decks
- Built-in safe for master staterooms
- Telephone/intercom units
- Audio visual systems
- Remote PLC (see "Electrical Systems") in crew lounge
- Guest refrigerator in lower deck foyer
- Dinghy and chocks
- Life raft and chocks
- Soft goods decor, such as drapes, valance boards, Roman shades, headboards, bed treatments
- Two MAXWELL VC1500 warping capstans on aft deck
- Air conditioning on aft deck
- Canvas covers for external seating
- Barbeque grill on sundeck
- Loose furniture, chairs and stools

NOTES TO SPECIFICATIONS

- (A) Right is reserved to make changes at any time, without notice, to prices, materials, specifications and equipment. Drawings may show optional items. Where specifications differ from drawings, the specifications shall have precedence.
- (B) Capacities are estimated to be the total of all constituent tanks $\pm 5\%$. Usable capacities will vary depending on conditions.
- (C) References to stone include a choice of CORIAN or AVONITE from builder's standard range.
- (D) Applicable to hull form only. Cheoy Lee prepared these specifications independent of the naval architect, relying solely on its own marketing data.