

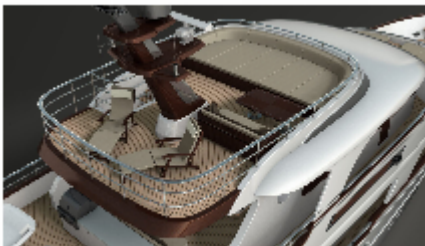
Selene 105 Expedition

MC 103



Guido de Groot design

MC 103



MC 103



MC 103



The Selene Expedition Yachts offer an impressive combination of luxury, comfort, and seaworthiness. Let's delve into some details about the Selene 128 Ocean Explorer, which exemplifies this concept:

- **Selene 128 Ocean Explorer:**

- **LOA (Length Overall):** 128 feet (39 meters)
- **LWL (Length at Waterline):** 117 feet 5 inches (35.66 meters)
- **Beam:** 28 feet (8.53 meters)
- **Draft:** 8 feet 6 inches (2.62 meters)
- **Displacement:** 805,467 pounds (366 metric tons)
- **Fuel Tank Capacity:** 13,000 US gallons (49,000 litres)

- **Maximum Speed:** 15 knots
- **Cruising Speed:** 13.5 knots
- **Fresh Water Tank Capacity:** 1,600 US gallons (6,000 litres)
- **Engines:** Twin Man V12-1400HP engines
- **Design Features:**
 - Raised pilothouse
 - Portuguese bridge
 - Bulbous bow
 - Large side windows in the hull
 - Stainless anchor pockets
- **Accommodations:**
 - Five staterooms: four guest cabins and a full-beam owner's cabin on the main deck
 - Laundry room
 - Crew area with four cabins for ten crew members and a mess area
 - Upper deck with wheelhouse, captain's cabin, ship's office, and a large sky lounge with a private aft deck
- **Range: With twin 1400HP MTU engines and over 49,000 litres of fuel, the Selene 128 can reach the Marquesas from the United States West Coast.**
- **Luxury Amenities:** Customizable gym, jacuzzi, steam bath, dive centre, and more.
- **Certification:** [RINA and ABS-certified¹](#).

The Selene 128 Ocean Explorer combines modern styling with the capabilities of an ocean cruiser, making it an attractive choice for discerning owners who seek comfort and independence during extended voyages. If you'd like more information, please contact Selene Ocean Yachts at info@seleneoceanyachts.com. ?? [The Selene 92 Expedition Yacht, with its four staterooms, laundry room, and crew quarters, was also recognized as one of the "Top Ten Long Range Cruisers" by Southern Boating in November 2017²](#). Selene Yachts continues to push the boundaries of exploration and luxury on the high seas! ???

General

Year:	2024
Price:	\$POA
Additional Charges:	None
Boat Type:	Power
Hull Type:	Displacement Motoryacht
Location:	Offshore
Engine/Fuel:	Diesel
Hull Material:	GRP

Dimensions

Length:	103 ft
LOA:	27.93m
Beam:	7.23m
Draft:	2.29m
Displacement:	158 ton

Engines

No. of Engines:	2
Engine Brand:	MTU's 60 series
Engine(s) HP:	2 x 475
Cruising Speed:	10
Max Speed:	14

Builder / Designer

Builder: Jet Tern Marine
Designer: Guido de Groot/Howard Chen

Construction

2 GENERAL CONSTRUCTION A Hull lamination:

- 1 Hull lamination schedule per construction plan, the area below water line to use "Isophthalic" Gelcoat and vinylester resin for the first five (5) layers. Deck lamination schedule per construction plan. Construction plans pertaining to structure to be based on standards set by the AMERICAN BUREAU OF SHIPPING (ABS).

B FRP Details:

- 1 Hand laid Cymax bi-axis and uni-direction stitched woven roving/mat
- 2 Vacuum resin infusion hull and superstructure
- 3 6 watertight bulkheads (chain locker, Collision locker, Forward E/R, Aft E/R, lazarette)
- 4 Transverse frames and longitudinal girders system
- 5 Vinylester resin for the first five layers below the waterline
- 6 Transverse frames and longitudinal girders system
- 7 CPP (Cook) Gelcoat for hull, deck, superstructure and non-skid surfaces
- 8 Hull and Superstructure to have "Coremat" 2mm anti print thru material in first series of lamination before roving is applied.
- 9 FRP hard top arch with mast tree
- 10 FRP staircase from cockpit to flybridge
- 11 Built in settee & table with storage underneath at foredeck

Tankage

Fuel: 4200 gal
Water: 600 gal
Holding: 250 gal Grey

Construction

2 GENERAL CONSTRUCTION C Core Materials:

- 1 Cabin side (vertical surfaces): Divinycell of varying degrees of thickness
- 2 Cabin top and deck (horizontal surfaces): Baltec or equivalent vertical end grain balsa, 1" thick

D Deck/hull joint:

- 1 Between deck and hull flange: 3M 5200
- 2 Inside of joint: Three (3) layers M. & W.R. in all accessible locations
- 3 Mechanical fastening: 3/8" thru-bolts on 6" centers

E Longitudinal Stringer:

- 1 Hull: Full length each port and starboard
- 2 Hull: Transverse Frame System

F Water tight bulkheads:

- 1 Water tight bulkheads per construction drawing to include, but not limited to the following areas: Between Lazarette and crew quarters , crew quarters and E/R, E/R and lower guest cabins, Aft bulkhead of Fwd. Guest cabin, and chain locker/collision bulkhead.

Engine

Engine

Main Engines A Port Main Engine:

- Cummins QSL9 405 Hp @ 2100 rpm Heavy duty rating rating. Wet exhaust & 24VDC starting
- Gear Box: ZF 360, 2.917:1 reduction
- Alternators: 24VDC, 80AMP
- Walker "Air Sep" crankcase ventilation
- Two (2) 4D batteries connected in series for 24VDCstart
- Engine beds to have 1/2" stainless steel cap on top of bed and 1/4" plate on sides, plates are to be highly polished stainless steel.
- Each engine mounted on (4) resilient mounts
- FRP drip pan under engine

B Starboard Main Engine:

- Cummins QSL9 405 Hp @ 2100 rpm Heavy duty rating rating. Wet exhaust & 24VDC starting
- Gear Box: ZF 360, 2.917:1 reduction
- Alternators: 24VDC, 80AMP
- Walker "Air Sep" crankcase ventilation
- Two (2) 4D batteries connected in series for 24VDC start
- Each engine mounted on (4) resilient mounts
- FRP drip pan under engine

C Engine Controls and Panels:

- Three (3) stations: pilothouse, fly bridge, aft deck.
- Engine instrument panels with alarm that will monitor Tachometer, Engine oil pressure, Engine water temp, System voltage, Gear oil pressure and fuel burn for each main engine. Cummins Vessel view display for pilot house & fly bridge (2 units)

D Propellers:

- 1 NiBrAl alloy 4 blade counter rotating propellers. Propellers to be built to I.S.O. class 1

E Propeller Shafts:

- 1 Aqualloy 22 or equivalent, 3" diameter
- 2 Taper details: Standard SAE
- 3 Line cutters on each main engine shaft

F Stern tubes:

- 1 Material: FRP
- 2 Bearings: rubber cutlass type
- 3 Stuffing Box: bronze

H Noise Control Systems:

- 1 Hull Damping - Area above the propeller rotation plane to be treated with two (2) layers of E-A-R Specialty Composites Isodamp CN Tiles (CN-62), alternating between resin and chopped glass to form a constrained layer damping system to be the inboard side of the shell plate.
- 2 Engine room ceiling and forward bulkhead treated with 2" of sound down lead foam and 2" of 3M Thinsulate. Inboard tank sides, aft bulkhead, underside of deck, forward side of engine room bulkhead and ventilation ducts to be treated with 2" of sound down lead foam and 2" of 3M Thinsulate and covered with white aluminum panels by Soundown.
- 3 Salon/galley cabin sole to have 45mm Nida Core" core system and 1/4" Soundown "decoupler" layer
- 4 Engine room hatches to have rubber gasket and lock down mechanism
- 5 Two S/S supports for salon cabin sole filled with lead shot for vibration absorption and mounted on Soundown rubber mounts
- 6 Soundown Quiet Pro lining covering engine room intake ventilating ducts, 1" thick secured with epoxy and mechanical fasteners
- 7 Insulated bulkheads in living areas with 3M Thinsulate per drawing
- 8 Forward accommodation areas between hull and hull ceiling to be insulated with 3M Thinsulate
- 9 Salon overhead between deck underside and Majilite overhead panels is to be treated with 1" thick 3M Thinsulate

I Engine Exhaust:

- 1 Underwater wet exhaust system for each engine design and supplied by DeAngelo Brothers Marine Exhaust, Florida

Generators: J Generator #1:

- 1 Onan model #MDKBU e-QD 33KW 120/240VAC single-phase/60Hz
- 2 Wet exhaust system using gen-sep water separator
- 3 24VDC start
- 4 Alternator: 24VDC
- 5 Main panel located in pilot house and start stop on main electrical panel

Engine

4 HEATING, VENTILATION AND AIR CONDITIONING SYSTEMS (HVAC) A Air Conditioning System:(*)

- Tempered Water System:
- 1 CRUISAIR Tempered Water System (chilled water) 8 tons(96,000BTU's), 230VAC
- 2 Modular Tempered Water Units: Framed Chiller, 8 tons, three phase, 2-stage (MTD48DC)
- 3 Control Panel: Unit Panel, 2 Pump Relays, 240VAC
- Variable Frequency Drive for each chiller, #763300009
- Air Handlers:
- 4 Crew Cabin - AT6-DCZ-FC-1KW, 230VAC
- 5 Crew Mess - AT9DCZ-FC-1.5KW, 230VAC
- 6 Master Cabin and Head - (2) AT9-DCZ-FC-1.5KW, 230VAC
- 7 Port Guest Cabin and Head - AT9DCZ-FC-1.5KW, 230VAC
- 8 Starboard Guest Cabin and Head - AT9DCZ-FC-1.5KW, 230VAC
- 9 VIP Cabin and Head - AT12-DCZ-FC-2KW, 230VAC
- 10 Pilothouse - AT18-DCZ-FC, 230VAC
- 11 Galley - AT12-DCZ-FC, 230VAC
- 12 Salon/Dining - (2) AT18-DCZ-FC, 230VAC
- 13 Engine Room - AH24SLLZ-FC-COS, 230VAC
- 14 Circulation Pump: CPOD120BX
- 15 Sea Water Pump: PS1800BX
- Room Controllers:
- 16 (9) SMX LCD Key Pad/Display, Grey
- 17 Accessories:
- 18 Expansion Tank-TW-Bladder
- 19 Balancing Flow Control
- 20 Automatic Vent
- 21 Backflow Preventer Valve
- 22 Pressure Regulator Valve
- 23 Vent Dual Spiro 2" FPT
- 24 Strainer
- * This is a preliminary estimate, further refinement may be required as the systems engineering progresses.

B ENGINE ROOM VENTILATION SYSTEM:

- 1 One (1) Intake Fan - One louvered vent Starboard side deck aft in the engine room with screened blower inlet. The intake fan will pull through a Livos

Engine

4 HEATING, VENTILATION AND AIR CONDITIONING SYSTEMS (HVAC) C HEADS:

- 1 One (1) Exhaust Blower each head
- 2 One (1) on/off switch and internal timer
- 3 Ducting is to be 4"

D STATEROOMS:

- 1 One (1) Supply Blower for crew, master, and lower staterooms.
- 2 Blower located to insure minimal noise in stateroom
- 3 Ducting is to be 4"
- 4 Cabin intake air is to come from a louvered intake vents located outside the boat and
- ducted to the stateroom.

5 FIRE SUPPRESSION SYSTEM Engine Room:

- A SEAFIRE Fixed Fire extinguishing system based on FM200 agent, automatic and manual, with electronic shutdown of engines, generator(s) and ventilation system.
- 1 (1) FM-200 cylinder assembly, size TDB
- 2 (1) model #131-460 Monitoring panel in Pilothouse
- 3 (1) model #131-445 Engine Shutdown Control, 6 Circuit - 9-32 VDC
- 4 (1) Manual Discharge Pull Cable located outside the engine room.

B Portable Fire Extinguishers:

- 1 Pilothouse, Fly Bridge, Galley, Salon, and Master Stateroom: One (1) each USCG TYPE
- B-II (four total)
- 2 Guest and Crew Cabins: One (1) each USCG TYPE B-1 (Five Total)

Engine

6 STEERING SYSTEM

- A Kobelt Hydraulic Steering System - 35 degree Rudder Deflection, Single Station: (pilothouse)
- 1 Helm Pump: Model #7012-0011B
- 2 Cylinders: 1 x Model # 7050-B12 balanced cylinder with 2" Bore with 12" Stroke and 1 x Model# 7065-SB12 servo cylinder with 2" bore and 12" stroke
- 3 Safety and Bypass Valve
- 4 Double arm for 7080 cylinder Arm: Model #7082-T
- 5 Single Arm Tiller Arm: Model #7082-S
- 6 Two (2) rod ends
- 7 7085 tie bar ends with nut
- 8 Filler Tank
- 9 Rudder feedback unit
- 10 Master rudder angle indicator
- 11 Rudder angle indicator
- 12 Transfer box : 1 station for autopilot
- 13 Jog lever for Five(5) stations Model # 7170-A1
- 14 Single solenoid valve base
- 15 Solenoid valve
- 16 Power pack is (2) Eaton model #04223-LH or equivalent 7/8-13 tooth 2 bolt SAE "B" pad, PC pumps including reservoir, tank top return filter, low level/high temperature switch and pressure gauge. Cooling of hydraulic oil is done through two heat exchangers that are fed with raw water from a gear driven pump on each main engine.

Engine

6 STEERING SYSTEM B Hydraulic lines:

- 1 Seamless copper tubing 5/8" I.D. with reinforced rubber hydraulic lines to the hydraulic rams and helm pump.

C Steering wheel:

- 1 Stainless steel destroyer type in pilothouse

D Emergency tiller:

- 1 To attach to top of stbd. Rudderpost

7 RUDDERS A Rudder stock:

- 1 3 1/2" Aqualloy 22

B Rudder:

- 1 Fully protected FRP per JTM Design

C Rudder carrier shoes:

- 1 Two piece fabricated 316 stainless steel. Main piece fastened to hull by rivets. Aft piece removable so that rudders can be removed.

D Rudder stock stuffing box:

- 1 Bronze traditional style x 2

E Rudder stock tube:

- 1 FRP with bronze/rubber cutlass bearing at the bottom
- 2 "T" bolt clams at stuffing box x 2

Plumbing System

8 TANKAGE AND PLUMBING SYSTEM A

Water Tanks:

- 1 Number and capacity: tanks totaling 500 gallons
- 2 Material: Fiberglass from male molds with FDA approved gel coated interior
- 3 Inspection plates: Appropriately positioned and sized for access
- 4 Tanks air tested to 4.5 pounds per sq. inch
- 5 Each tank to have "WEMA" level gauge
- 6 Each tank to be fitted with sight gauge
- 7 Tank baffles to be spaced on 24" centers
- 8 Exterior of tanks finished in gel coat
- 9 Tanks to comply with ABYC section H-23 for potable water systems for use on boats
- 10 Cleanliness: Tank interior surfaces to be thoroughly Vacuumed and wiped down prior to final closure

B Fuel Tanks:

- 1 Number and capacity: Three (3) main tanks and one day tank (300 gallons) totaling approximately 5000 gallons. One forward tank will be transferred to main E/R tanks thru the fuel transfer system.
- 2 FRP construction from male molds using Vinylester resin. To comply with all ABYC codes for diesel fuel tanks. Tanks to be coated with fire retardant Gelcoat on outside to comply with ABYC section H-33.20 for fire resistance.
- 3 Inspection Plates appropriately positioned for interior access by average size man. Plates to be fitted with labels that contain all information as stated in ABYC section H- 33.16.3. Each internal baffle to have a removable panel to allow access to entire interior of all fuel tanks.
- 4 Each tank supplied with tank gauges with displays located at the helm station
- 5 Magnetic sight gauge for each E/R fuel tank
- 6 Each tank to be air tested to 4.5 pounds per sq. inch
- 7 Provide baffles on 24" centers
- 8 Transfer manifold and Orberdorfer gear pump or equivalent fuel pump with timer switch and Racor 1000MA fuel filter with 10 micron element which can transfer fuel from one tank to another and polish the fuel while transferring.
- 9 Exterior of tanks finished in gel coat

Plumbing System

8 TANKAGE AND PLUMBING SYSTEM H

Plumbing fixtures:

- 1 Head sinks - Seven (7) total: Master Cabin x 2, salon day head , VIP/guest lowers x 2, and aft crew.
- 2 Galley sink: Double S/S
- 3 Head faucets: Grohe Model# 33170-0000 chrome
- 4 Galley, Grohe Model# 33939 chrome/black
- 5 Shower fixtures: All Grohe #28.049 handle, #28786 soap dish, #28.820 24" shower bar, #28.151 hose, #34.436 thermostat valve
- 6 "Scandvik" aft deck shower installed at the stern
- 7 Fresh water outlets on the foredeck, aft deck, fly bridge, bridge deck and one (1) in engine room

I Shower and sink sump pump system for crew head:

- 1 One (1) Lancaster sump-less sump pump #399 or equivalent located under cabin sole in laundry area. Shower ,sink, e/r sink and washer drain to pump via PVC manifold with 1
- 1/2" outlet. Sump pump discharges to gray water tank. Requires 1/2" vent line.

J Sump pump system for forward guest heads:

- 1 One (1) Lancaster sump-less sump pump #399 or equivalent located under cabin sole in forward area. Shower, sink, e/r sink and washer drain to pump via PVC manifold with 1
- 1/2" outlet. Sump pump discharges to gray water tank. Requires 1/2" vent line.

K Bilge Pumps:

- 1 Electric: Six (6) Par Jabsco Diaphragm pumps or equivalent, 1" diameter ports, with "Ultra Senior" auto float switch #UPS-01-24/32.
- 2 Manual: Edson Model #117AL-200-230-PC or equivalent
- 3 Hydraulic driven emergency pump: (1) Pacer hydraulic pump or equivalent plumbed to all water tight compartments with 2" PVC piping. Manifold for emergency pump to be located in easily accessible location.
- 4 High Water Bilge Alarm Panel - High water bilge sense will come from std.

Electrical System

9 ELECTRICAL SYSTEM A The AC electrical system:

Electrical System

- 1 The vessel is fitted with two (2) 240VAC shore inlets at the stern. Ships shore power is fed through a 12KVA, 220-250VAC, 50/60Hz isolation transformer. AC selector control switches allow the operator to select the source(s) of power from either the generator(s) or shore power. The HVAC (air conditioning) may be operated from the ships shore power or from its own dedicated shore power inlet which is also equipped with a 12kVA, 220-250VAC, 50/60Hz isolation transformer. The air conditioning may be operated from either 50 Hz or 60 Hz service. AC service is distributed through custom electrical panels containing 240VAC and 120VAC sections, volt and amp meters and individual breakers and fuses for branch circuits.
- 2 Two (2) 12kVA shore power isolation transformers and two (20) shore power input connections at the stern of the vessel.
- 3 120/240VAC, 7.0kVA inverter system for limited ships power, control power to the helm station and for refrigeration during times when the generators and shore power are offline.
- 4 AC Outlets are standard US format 120VAC. Locations TDB
- 5 All outlets in head compartments, mechanical spaces, exterior and galley are GFCI type. All external outlets have water proof covers.
- 6 One (1) Glendinning shore power cord retrieval system provided for the 240VAC, 50 amp. ships shore power connection. The system to be provided with 50' of shore power cable. Shore power inlet to be located at the stern of the vessel.

B The DC electrical system:

- 1 The DC electrical system is a 24VDC distribution system with a maximum capacity of 800 amp/hours. The DC system is to provide power the ships inverter system and provide power to the helm station DC equipment, and ships service. DC service is
- distributed through custom electrical panels containing 24VDC and 12VDC sections, volt and amp meters and

9 ELECTRICAL SYSTEM C 24VDC battery charging:

- 1 One 24VDC, 100amp battery charger
- 2 Inverter/charger provides a total of 120 amps at 24VDC for the ships battery bank.
- 3 Main engine starting battery bank is charged from the respective engine alternator. These alternators are also available through automatic charging relays to support the ships battery bank.
- 4 Generator starting battery bank(s) is charged from the respective engine alternator.
- 5 Each charging source can be switched to accommodate any single failure of a charging device.

D Vessel Monitoring:

- 1 Maretron backbone to be run the length of the vessel for vessel monitoring ships equipment and critical systems.

E Wire:

- 1 All wire to be marine grade, tinned conductor, 600 volt insulation type and sized according to the ABYC Standard

G Wire Terminations:

- 1 Connectors to be ring type with closed end seamless construction.

H Corrosion control:

- 1 All thru hulls to be bonded together with a #6 green wire and tied into the DC negative system
- 2 All hardware mounted below water line - i.e. stuffing box, rudder shoe, rudder frame, all thru hulls, engines, and strainers to be connected to bonding system
- 3 Zinc plates to be tied into the bonding system based on the hull potential requirements of the vessel.

I Electrical Panels:

- 1 Main AC distribution and control panel located in E/R, sub panels located fore and aft on each deck as required
- 2 Main DC distribution and control panel located in E/R, sub panels located fore and aft on each deck as required
- 3 AC/DC distribution panel in pilothouse for helm instrumentation, navigation, communications and Helm equipment.

Interior

10 INTERIOR A General:

Interior

- 1 Teak, cherry or oak veneer (straight grain or mountain grain)
- 2 Bulkheads, teak or cherry veneer
- 3 Formica finished ceiling & bulkhead for bathroom
- 4 Drapery or blinds for saloon & each stateroom
- 5 Grab rails, teak
- 6 Headlining, acoustical vinyl
- 7 Push button for all door lockers & drawers
- 8 Carpet, teak & holly or wood parquet interior floor for cabins
- 9 Metal non-skid flooring for engine room
- 10 Floating floor
- 11 Tinted tempered window glass 10~12 mm
- 12 Clear tempered glass 12mm for front windshield
- 13 Corian or granite head floor
- 14 Granite galley counter top w/back splash
- 15 Granite head counter top w/back splash
- 16 Interior steps to all teak. Corner of steps to have nonskid varnish.
- 17 Interior lockers and drawers to be locking with chrome push button
- 18 Interior overhead panels - Removable, held in place by Velcro.
- 19 Interior door lock sets to be chrome brass
- 20 Interior cabin doors to have rubber gaskets for sound reduction and door hooks
- 21 Hanging lockers to have automatic interior lights controlled by micro switch. Lined with Cedar.
- 22 Solid (non louvered) cored doors for heads and staterooms 1.25" thick with rubber gaskets on door jambs
- 23 Interior teak woodwork including cabin sole in pilot house to be varnished with 60% gloss varnish
- 24 Salon tables, pilothouse table to be varnished with high gloss varnish
- 25 All hand rails to be teak.
- 25 Structural bulkheads dividing staterooms and heads to have $\frac{3}{4}$ " furring strips on each side to allow application of $\frac{3}{4}$ " thick sound insulation. The finished bulkhead material of $\frac{3}{8}$ " thickness to be applied over this.

10 INTERIOR F Master Cabin:

- 1 Floors: Carpet with 2 lb./sq. ft. 1/2" thick Soundown under lamenet pad
- 2 Cabinet/paneling: Varnished teak
- 3 Mattress: Standard Queen size
- 4 Port and starboard berth cabinets & drawer bureaus
- 5 Full high wardrobe and dressing room with automatic light and aromatic cedar liner
- 6 Safe located at master stateroom
- 7 Sofa and coffee table to port master cabin
- 8 TV/Video cabinet
- 9 Desk with stool
- 10 Teak headboard frame

G Master Stateroom En-suit Bath:

- 1 Floors: Ceramic or stone tile to be specified with order
- 2 Counter top: Granite with bull nosed edges
- 3 Mirrors and towel bars: As shown on drawings (TBD)
- 4 Molded FRP shower stall with frameless glass doors
- 5 Cabinet/joiner work: All teak
- 6 Locker and drawer interior finish: Formica
- 7 Toilet paper holders: TBD
- 8 Vanity unit w/integral wash basin, 2 sets
- 9 Teak removable grating panel for shower room
- 10 Medicine cabinet with mirror
- 11 Vanity mirror w/teak frame

H Pilothouse:

- 1 Floors: Teak - varnish
- 2 Cabinet/joiner work: Varnished teak
- 3 Counter tops and instrument panel faces: Formica #939 dark gray
- 4 Teak table at settee to slide in and out.
- 5 Settee aft with chart drawers under
- 6 Helm seat - Stidd 500N-2X2 Low Back "Slimline". Ultra-Leather and pedestal color are buyer's choice
- 7 Chart table w/Cantalupi "Rico" chart light
- 8 Locker interior finish: Formica
- 9 Book shelves and chart drawers as located per interior drawings
- 10 Top of instrument console to be wrapped in black leather or ultra leather

I Forepeak (Chain Locker) Water tight collision

Inventory

11 LIGHTING (Per lighting plans) A Main overhead lighting throughout interior:

- 1 Cantalupi Power LED Lighting controlled by wall switches.

B Exterior overhead lights:

- 1 Cantalupi Power LED Lighting controlled by wall switches.

C Overhead reading lights:

- 1 Cantalupi Power LED Lighting controlled from separate switches

D Engine Room and Lazarette Lights

- 1 120VAC fluorescent
- 2 24VDC as emergency lighting

E Courtesy Lights

- 1 Exterior: LED 24VDC White
- 2 Interior: LED 24VDC Red
- 3 24VDC LED white rope lighting under settees, bunks and toe space in selected areas interior and exterior, white exterior and red interior.
- 4 Hanging Locker Lights and misc. Lockers: LED 24VDC

F Navigation lights and signal lights for vessels over 12m:

- 1 Port nav light - Aqua Signal 55 Series, #55300 24VDC
- 2 Star nav light - Aqua Signal 55 Series, #55200 24VDC
- 3 Stern light - Aqua Signal 55 Series, #55500 24VDC
- 4 Steaming light - Aqua Signal 55 Series, #55400 24VDC
- 5 Anchor light - Aqua Signal 55 Series, #55000 24VDC
- 6 Stainless steel "Light Stand"

Inventory

11 LIGHTING (Per lighting plans) G Reading Fixtures:

- 1 Owner's cabin, VIP Cabin and port and starboard guest cabins to have one or two
- 24VDC Cantalupi "Vienna" chrome bronze swing arm reading lights (6 total)

H Salon Accent Fixtures:

- 1 Wall Lamps in salon in three (2) locations.

I Dining Accent Fixtures:

- 1 Wall Lamps at forward end of dining area in two (2) locations.

J Bath Accent Fixtures:

- 1 Accent lights in heads, Four (4) owner's head, Two (2) day head, Three (3) total for guest heads.

K Deck Floodlights:

- 1 Three (3) Aqua signal 120VAC/500 watt series 1069 mounted on port and starboard F/B hardtop and one facing aft on the mast.

L Search Light:

- 1 Carlisle & Finch 200 watt spotlight #XY2EDE-RF with dual station remote controls. Unit mounted on the flybridge hardtop.

OnDeck

12 EXTERIOR, DECK HARDWARE and EQUIPMENT A Exterior Details:

OnDeck

- 1 All horizontal surfaces on deck to have a diamond pattern nonskid as shown in deck plan - standard nonskid to be a contrasting color to parameter deck
- 2 Stainless 316 handrails 2"OD with electro polished bases. All rails shown on drawings to be standard in addition to those specified
- 3 Handrails at transom
- 4 Hand rail around aft deck coaming 2" dia.
- 5 Handrail on underside of aft deck overhang 1 1/2" O.D.
- 6 Hand rail at port and starboard side boarding doors
- 7 Recessed hand rails from lower deck to P/B deck
- 8 S/S 316 Hawse fittings with rollers:
- 9 S/S 316 18" bollards per drawing
- 10 Upper rub rail cap to be 316 stainless steel 1/4" fastened with flush 316 stainless steel fasteners. Stainless steel caps on upper and lower rub rails as shown in design.
- 11 Teak Decking on main side decks
- 12 Settee, molded fiberglass with cushions at foredeck and aft deck
- 13 Manhood ports in hull and deck as shown on design. Ports positioned as per layout drawings.
- 14 All opening ports to be fitted with screens and deadlights
- 15 Fixed window in day head

B Cockpit:

- 1 FRP settee with Sunbrella cushion set
- 2 Table w/stainless steel table pedestal
- 3 Fresh water deck wash in transom
- 4 Saltwater wash down in transom
- 5 Steps to transom integrated port and starboard
- 6 Teak Decking

C Flybridge:

- 1 Richie Compass
- 2 Helm station w/console box
- 3 S/S destroyer steering wheel
- 4 One (1) Selene helm seats
- 5 Corian integrated wash basin w/folded faucet
- 6 FRP table (1 or 2)
- 7 Chart counter top
- 8 FRP settee (1 or 2) w/storage

12 EXTERIOR, DECK HARDWARE and EQUIPMENT F Horn:

- 1 Kahlenberg dual trumpet #D-1 with chrome finish and fog timer 230VAC compressor w/24VDC solenoid

G Deck hatches:

- 1 Per deck plan, Lewmar #70 "Ocean Series" to include insect and privacy screens. One
- (1) Lewmar #60 "Ocean Series" to include insect and privacy screens.
- 2 Install (1) Lewmar #70 "Ocean Series" on the port side of the lower platform to access the flybridge hardtop.

H Windows:

- 1 Windows 10-12mm" thick tempered glass
- 2 All side windows to be tinted glass
- 3 All salon and pilothouse windows are recessed 1".
- 4 All salon windows to have storm plate receptacles

I Exterior Doors:

- 1 Aluminum doors by Pacific Coast Marine as follows (Note: interior as well as exterior PCM doors are included in this schedule):
- 2 Pilothouse--2ea, Weather Tight Dutch door, one L.H. Mortise hinge, one R.H. Mortise hinge. C.O. 21" x 73"
- 3 Salon after--1ea, Weather Tight double opening door with all glass panels. 48" x 73"
- 4 Salon port side, Weather Tight door, one RH Mortise hinge
- 5 Engine room--1ea, Water Tight model no. PCM4170-W with sound blanket core, painted. L.H. surface mount hinge. C.O. 21" x 73".

J Boarding doors: 1 Port and starboard - opening in two pieces. Top to fold up and over and bottom to open outboard. Stern doors on port and starboard side aft per drawing. Doors to have "blind" dog lock/handles. Each provided with built-in boarding ladder. K Davit:

- 1 2200 LB capacity hydraulic/240VAC davit with extendable boom to 20 feet mounted per drawing.

M Bottom treatment:

Inventory

STANDARD EQUIPMENT

- 1st Onan 33kw Generator
- 2nd Onan 17kw generator
- Aqualloy 22 propeller shafts or equivalent
- ABT TRAC #370 digital stabilizers system with 12sq ft. fins and dual station control
- Kobelt hydraulic steering system
- 220lb capacity hydraulic/240V AV davit with extendable boom 20 ft.
- Two Maxwell VWC 3500 Windlasses
- Two Maxwell VC 220 Capstans at port and starboard cockpit
- One 50 gallon with dual 240v elements hot water system
- ESI Fuel polishing system
- Reverso oil change pump
- BEP electrical main circuit breaker panels
- Seafire fixed fire extinguishing system
- Tecma fresh water toilets
- Cruisair air conditioning system
- Liebert or equivalent home size large refrigerator in the galley
- Raritan or equivalent ice maker
- Siemens or equivalent microwave

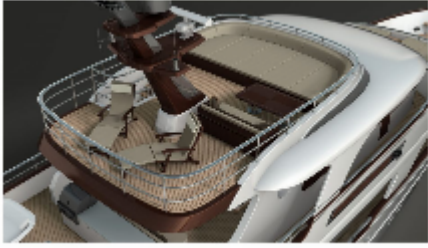
Optional Extras

OPTIONS:

- Awlgrip, Alexseal, or Awlcraft PU painted color hull
- Davit upgrade to 3500lbs.
- Under water lighting
- Teak deck on F/B helm station
- Teak deck on Portuguese bridge deck, fore deck.
- Teak coaming on rail for foredeck, aft deck and fly bridge
- Helm Navigation, Communications and Entertainment package Ships monitoring system for all vital system onboard
- Upgrade the stabilizers to the ABT Trac Star system (at anchor stabilization). Note this requires the optional generator to be installed with increased capacity and hydraulic PTO to drive the system while at anchor.
- Rear & E/R camera monitoring system
- Passarelle

Additional Images

MC 103



Benetton Boatyard

MC 103



Benetton Boatyard

MC 103



Benetton Boatyard