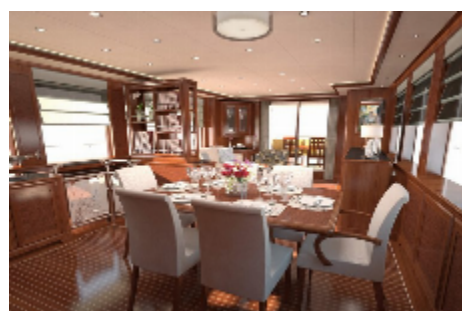
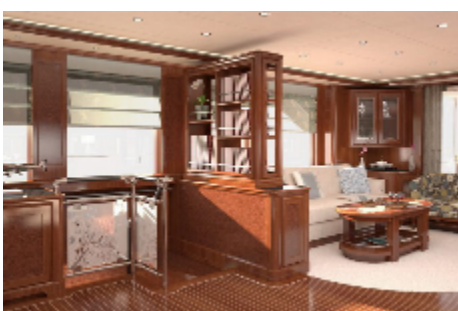
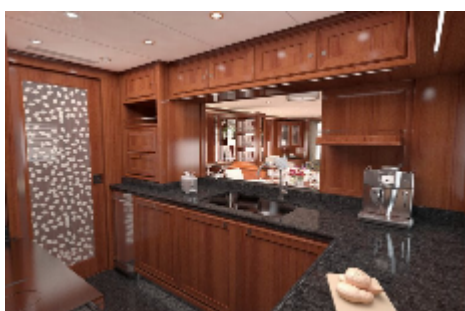


Selene 78 Explorer



The more minor sister to the **98 Ocean Explorer**, the 78 has the same features but in a slightly smaller boat. This boat results from an international collaboration of designers and architects under Howard Chen's design team leadership. Working closely with renowned Dutch architect Guido De Groot and a group of International consultants, they have developed a contemporary take on the long-range yacht while capitalizing on builder Jet Tern Marines' quality construction and reputation for experience and innovation in the displacement yacht sector.

General

Year:	2024
Price:	\$POA
Additional Charges:	Plus GST, Duty & Freight
Boat Type:	Power
Hull Type:	Displacement Motoryacht
Location:	Offshore
Engine/Fuel:	Diesel
Hull Material:	GRP

Dimensions

Length:	78 ft
LOA:	78'6"
Beam:	21'9"
Draft:	6'4"
Displacement:	108 ton

Engines

No. of Engines:	2
Engine Brand:	Cummins QSL9
Engine(s) HP:	2 x 405
Cruising Speed:	10
Max Speed:	14

Builder / Designer

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

Tankage

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

Construction

A Hull lamination: 1 Hull lamination schedule per construction plan, the area below the water line to use "Isophthalic" Gelcoat and vinyl ester resin for the first five (5) layers. Deck lamination schedule per construction plan. Construction plans for the structure are to be based on standards set by the American Bureau of Shipping (ABS).

Engine

Main Engines Port Main Engine:

- Cummins QSL9 405 Hp @ 2100 rpm propeller rated rating. Wet exhaust & 24VDC starting
- Gear Box: ZF 360, 2.917:1 reduction

Propeller Shafts:

- Walker "Air Sep" crankcase ventilation
- 1 Aqualoy 22 or equivalent .3" diameter
- Two (2) 4D batteries connected in series for 24VDC start
- 2 Taper details: Standard SAE
- 2 Line cutters on each main engine shaft

Stern tubes:

- stainless steel
- 1 Material: FRP
- Each engine is mounted on (4) resilient mounts
- 2 Bearings: rubber cuff type
- Stuffing Box: bronze
- FRP drip pan under engine
- Fuel Filter(s)

Starboard Main Engine:

- 1 Two (2) Racor 75-900MAX duplex filters in addition to a secondary engine-mounted filter for each engine
- Cummins QSL9 405 Hp @ 2100 rpm
- 2 One (1) Racor 75-500MAX filter and heavy duty rating rating. Wet exhaust & 24VDC starting
- generator engine. Optional second filter for optional generator
- 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 is mounted on (4) resilient mounts
- FRP drip pan under engine

Engine Controls and Panels:

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

The AC electrical system:

- 1 The vessel is fitted with two (2) 240VAC shore inlets at the stern. The ship's 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 ship's shore power or 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 50 Hz or 60 Hz. 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. There are 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 systems are used for limited ship power, control power to the helm station, and 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 waterproof covers.
- 6 One (1) Glendinning shore power cord retrieval system will be provided for the 240VAC, 50 amp. Ship's shore power connection. The system will be provided with 50' of shore power cable. The shore power inlet will be located at the stern of the vessel.

The DC electrical system:

- 1 Teak, cherry or oak veneer (straight
- 2 The DC electrical system is a 24VDC
- 3 Distribution system with a maximum
- 4 capacity of 800 amp. The DC system powers the ship's inverter system,
- 5 the helm station's DC response and
- 6 station DC service is
- 7 Distributed through custom electrical
- 8 panels containing 24VDC and 12VDC
- 9 sections, volt and amp meters and
- 10 individual breakers and fuses for branch
- 11 circuits, teak & holly or wood parquet
- 12 Standard batteries are located per
- 13 Material handling for engine room
- 14 The 24VDC ship's battery bank -
- 15 Consists of 12 2-volt AGM batteries @ 2
- 16 800 A/H, each connected in series. A total
- 17 of 24VDC is provided for emergency, control, ship
- 18 operation and limited propulsion without
- 19 a generator or shore power
- 20 A 24VDC battery bank is drawn from one
- 21 24VDC battery and a 24 to 12VDC
- 22 inverter system to all teak. Corner of
- 23 Port engine is starting (2) AGM
- 24 batteries connected in series for 24VDC
- 25 starting. Switching logic to parallel 24VDC
- 26 ship's bank for emergency starting.
- 27 Generator starting- (2) - Group 31 AGM
- 28 batteries connected in series for 24VDC
- 29 starting and switching logic to parallel
- 30 24VDC ship's bank for emergency
- 31 starting.
- 32 #2 Generator starting- (2) - Group 31
- 33 AGM batteries are connected in series for
- 34 24VDC starting and switching logic to
- 35 parallel with 24VDC ship bank for
- 36 emergency starting.

Master Cabin:

- 1 Floors: Carpet with two lb./sq. ft. 1/2" thick Soundown under lamenent 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 the master stateroom
- 7 Sofa and coffee table to the port master cabin
- 8 TV/Video cabinet
- 9 Desk with stool
- 10 Teak headboard frame

Master Stateroom En-suite Bath:

- 1 Floors: Ceramic or stone tile to be specified with an order
- 2 Countertop: 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, two sets
- 9 Teak removable grating panel for shower room
- 10 Medicine cabinet with mirror
- 11 Vanity mirror w/teak frame

EXTERIOR, DECK HARDWARE and EQUIPMENT

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

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

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

Horn:

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

Deck hatches:

- 1 Lewmar #70 "Ocean Series" will include insect and privacy screens per the deck plan. One
- (1) Lewmar #60 "Ocean Series" will 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.

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

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. The top folds up and over, and the bottom opens outboard. Stern doors on port and starboard side aft per drawing. Doors will have "blind" dog locks/handles. Each is provided with a built-in boarding ladder.

Davit:

- 1 2200 LB capacity hydraulic/240VAC davit with an extendable boom to 20 feet

Inventory

STANDARD EQUIPMENT

- 1st Onan 33kw Generator
- 2nd Onan 17kw generator
- Aqualloy 22 propeller shafts or equivalent
- ABT TRAC #370 digital stabiliser system with 12 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 the 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 freshwater toilets
- Cruisair air conditioning system
- Liebherr 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 colour hull
- Davit upgrade to 3500lbs.
- Underwater lighting
- Teak deck on F/B helm station
- Teak deck on the Portuguese bridge deck, the fore deck.
- A teak coaming on the rail for foredeck, aft deck and flybridge
- Helm Navigation, Communications and Entertainment package Ships monitoring system for all vital systems onboard
- Upgrade the stabilizers to the ABT Trac Star system (at anchor stabilization). Note that this requires the optional generator to be installed with increased capacity and hydraulic PTO to drive the system at anchor.
- Rear & E/R camera monitoring system
- Passarelle

Pilothouse

- 1 Floors: Teak - varnish
- 2 Cabinet/joiner work: Varnished teak
- 3 Countertops and instrument panel faces:
 - Formica #939 dark grey
- 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 colours are the buyer's choice
- 7 Chart table w/Cantalupi "Rico" chart light
- 8 Locker interior finish: Formica
- 9 Bookshelves and chart drawers as located per interior drawings
- 10. The Top of the instrument console to be wrapped in
 - black leather or ultra leather

Crew Cabin

Crew head

- 1 Floors: Carpet with pad
- 2 Chairs to case join 154 Sank Stone
- 2 Cabinetry: Formica with teak trim
- 3 Shower, to be provided FRP drawings
- 4 Hanging tops & granite vanity wood siding
- 5 Bookshelves and lockers outboard of
- 6 All over the glass bi-fold shower door
- 6 Drawers under berths
- 7 Mattress paper Custom 5" thick foam
- 8 Full size vanity mirror over sink in Forward port and starboard guest cabins
- 9 Block the Carpet be finished. Varnished teak Soundown under lament pad
- 10 Cabinet/Joiner: Varnished teak
- 11 Forced air circulation system with 6 outlets
- 11 Dresser outboard
- 5 Drawers under the bunk
- 6 Mattresses: Custom 5" thick foam
- 7 Nightstands next to bunk
- 8 Teak headboard frame

Saloon

- 1 Floors: Carpet with two lb./sq. ft. 1/2" thick
- Soundown underlayment pad
- 2 Sofa with hi-lo foldable teak parquet table
- 3 Entertainment centre w/pop-up TV cabinet
- 4 S/S sliding door for saloon entrance
- 5 OceanAir blinds w/drapes
- 6 TV lift for 50" plasma TV on the side of salon (TV not included)
- 7 Prewire for surround sound speakers
- 8 Teak valance/air con soffit P&S and aft sides of the salon
- 9 Two overhead teak hand rails
- 10 Mullions along the port and starboard side for installation of window treatments
- 11 Overhead to have perimeter recess with strip lighting

Day Head:

- 1 Floors: Teak
- 2 Countertop: Granite with a bull-nosed edge
- 3 Mirror and towel bar as shown on the drawing
- 4 Cabinet/joiner work: All teak
- 5 Locker and drawer interior finish: Formica
- 6 Toilet paper holder and Towel bar: TBD

Vip Cabin

Dining Room:

- 1 Floors: Carpet with two lb./sq. ft. 1/2" thick
- 1 teak Set w/dining table & 6 chairs for 6
- 2 Cabinet/panelling w/teak veneer for 6
- 3 Mirror & 2 wicker chairs
- 4 Babying storage w/teak window tinting
- 5 Drawers under berths
- 6 Wall/ceiling overhead lighting over the dining table area
- 7 Floor to ceiling ventilation system with adjustable blower
- Vanity mirror w/teak frame

Galley

- 1 Subzero or Liebherr home-size large refrigerator *
- 2 Microwave *
- 3 Electric range and oven *
- 4 Dishwasher *
- 5 Trash compactor *
- 6 Exhaust fan *
- 7 Granite countertops
- 8 S/S double sink
- 9 Single lever swivel type retractable faucet
- 10 Overhead cabinets
- 11 Drawers & storage lockers w/shelves under counter
- 13 Sliding doors to the galley to have frosted glass panels

Additional Images

