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NEW BUILD - 100ft Expedition Motor Yacht



Listing ID - 1281

Description NEW BUILD - 100ft Expedition Motor Yacht

Date Built to Order

Launched

Length 30.48m (100ft)

Beam 7.52m (24ft 8in)

Draft 2.44m (8ft)

Location Brazil

Price \$10,000,000 USD

LOA: 30.48m

Beam: 7.52m

Max Draft: 2.44m

Length on waterline (approx): 26.8 m

Displacement light ship: 179 metric tons approx

Displacement (100% Fuel & 100% water: 220 metric tons approx

Clearance: 14.63m

Location: Brazil

Year: Mfg2019 Model2019

Builder: ALL OCEAN YACHTS

Type: Expedition Yacht

Staterooms: 5

Sleeps: 10

Heads: 8

Crew: 3

Captain Cabin: Yes

Fuel Cap: 9800 gal approx
Water Capacity: 3,000 g (11,356 l)
Black water tank: 427 gal (2.5 metric tons)
Grey water tank: 427 gal (2.47 metric tons)

Engines: Twin, Inboard, Diesel, Caterpillar
Speed: Cruising 10 knots
Max 13 knots
Hull Material: Steel
Hull Config: Full Displacement
Hull Designer: Luiz deBasto
Deck Material: Steel
Range: 4,000 Miles
Holding Tank: 854 g (3,233 l)

Introduction

The All Ocean Yachts line was created with over 38 years of experience as a world cruising captain and broker driving it. The design was evolved by putting it out for public comment to yacht professionals and yacht owners for review during each step of development. Taking into account their feedback we have created a very sophisticated design with extraordinary detail that meets all of the criteria a World Cruising Explorer Yacht should have incorporated in it.

The mission profile of the All Ocean Yachts Explorer is to be a vessel capable of extended and remote world cruising in safety and comfort. To be able to visit exotic areas with little shore side support and have a minimum of operational upkeep.

The diversity of layouts available means the All Ocean Yachts Explorer can be tailored to your requirements without creating a custom design. Her 3000 plus sq ft of indoor and outdoor living space provides expansive areas for comfortable living. The guest and crew areas have a very high degree of separation and service areas that allow the crew to move about the boat providing top notch service while creating separate spaces for all.

The All Ocean Explorer is ready to take you wherever you desire in safety and comfort.

Accommodations

The tremendous response we have had from the yachting public, owners and professionals has led us to the conclusion that we needed a standard layout and then several optional layouts to meet all of the requirements we received information on.

The lower deck layout stays the same in all of the arrangements, though there are options for Pullman berths and sliding single bunks to form doubles. The standard main deck layout has the master cabin on the main deck and enclosed galley. The next arrangement is exactly the same but with the option to have a sliding panel between the galley and the dining area to make an open galley format. There is a change in the one of the refrigerators, the oven layouts and china cabinet to create a fully open format.

Both of these layouts can also be done with the "Captain's cabin" up option, which would give you the option to carry up to 6 crew or have a dedicated cabin for fishing guides, scuba guides or other extra personelle. You still maintain a comfortable skylounge with this option with the convertible settee and full head and shower to give you the 5th stateroom.

The other layout options are created if you take the “Master cabin Up” option which puts the master behind the wheelhouse. The impressive thing about this layout is that you have almost all of the features you find in the main deck cabin, the same amount of storage and hanging locker space. An option to have a tub/shower combination and private toilet room.

The master up then gives you several other options for the main deck.

You can have a large TV / lounge with a fold out queen settee and full head maintaining your 5th guest option. This then would allow you to create a bar/game room where the aft saloon is or keep the saloon and have two lounging areas. You also have a large office area.

Another option is to have a full country kitchen with extra large additional pantry, informal dining/breakfast table. You still maintain the separate formal dining area; again you have a good office space.

Optional layouts include the following:

Captain's cabin up option:

There is an option for a Captain's cabin up behind the wheelhouse. This cabin fits quite nicely into the space with minor

rearranging of the wheelhouse and skylounge. In the wheelhouse we have split the large settee into a corner settee located on the starboard side and a raised seat behind the helm. We have moved the desk to the port side and increased its size.

The captain's cabin features a queen size bed, large hanging locker with drawers in front and a full head and shower. The only impact on the skylounge is you lose the standbehind bar. We replaced this with a full wet bar that has all of the equipment found in the standbehind bar. The fold out queen bunk still fits well.

Galley options with master on main deck:

The open galley option takes the wall between the dining saloon and the galley and changes it either into a permanent open area with a railing along the crew access stair or with a half height wall that hides a sliding panel. This is the preferred arrangement as it shuts the galley off when cleaning up or at other times when it maybe better to control odors within the galley. The full height fridge and stacked ovens are rearranged to be a under counter fridge and under counter ovens. The china cabinet is stopped at counter height and there is a second cabinet above it which hides a fold down panel which fully closes off the galley.

Owner's cabin behind the wheelhouse option:

This option fits amazingly well into the skylounge space. There was no need to modify the wheelhouse layout. The largest difference is that there are no walkin closets. However the total actual hanging locker and drawer space is almost exactly the same. The king sized bed is the same and there is a large raised settee to starboard. The master head has his and her sinks, a separate toilet room and either an extra large shower of a full size tub (Jacuzzi) / shower. The aft pilothouse deck now becomes a private deck for the owner. Depending on the layout chosen for the main deck, we have moved the two freezers down, which creates additional room for comfortable chairs or lounge chairs.

The owner cabin up layout creates the opportunity for 3 optional layouts for the main deck.

Main deck options with Master cabin up option:

Country kitchen option:

The country kitchen option creates 3 distinct dining options. You have the standard formal dining table to starboard of the galley, a large informal dining table that can easily accommodate all of the guests and all the crew and a breakfast bar. There is a full wet bar encompassing all the equipment that was located in the bar in the flybridge and

a large desk / office area. In addition there is a VERY large pantry forward which now holds the two freezers from the pilothouse deck and the full size refrigerator. The trade off is the galley loses one oven, but the microwave is also a full size convection oven. We gain extra refrigeration space by adding an under counter fridge for the chef and still have the full size refrigerator in the pantry.

With this layout you lose the option of having a 5th stateroom using a fold out settee. The main saloon is maintained as it is on the standard layout.

TV / Lounge forward option:

This option can be done with the standard closed galley layout of the open galley layout.

What is created with this layout is a very large TV and reading lounge. The lounge contains a large U shaped settee that has a pull out queen bed. Forward there is a full head with shower, and a large closet. A 62" TV can be mounted on the forward bulkhead. To starboard is a very large desk / office area and a raised settee set into the window to maximize the view. You can have a full wet bar to port or just a drinks refrigerator. Aft you can keep the standard saloon arrangement or create the 3rd option.

Bar / Game room in aft saloon:

The aft saloon can be changed to have a large sitdown bar with service directly from the galley. The bar is fully equipped per the skylounge bar. There is room for a large game table and comfortable chairs.

Hull Subdivision

The vessel's hull shall be subdivided by transverse and longitudinal watertight and or oil tight bulkheads as shown on the contract drawings and consist of the following compartments:

1. Forepeak
2. Fresh Water Tanks
3. Crews quarters
4. Guest Stateroom #3 and crew lounge and laundry Compartment
5. Guest stateroom #1 and # 2 Compartment
6. Fuel Oil Tanks
7. Engine Room
8. Steering Gear Compartment, lazarette

Hull Structure

Keel: 3/4" x 10" full length

Stem: 3/4" x 10"

Floor: 1/4" plate

Skeg (Depth 6"): Sides 5/16", Cross Section 5/16", Bottom 1/2"

Bottom Plating: 5/16" Plate, Up To The Chines

Side, Transom Plating: 1/4

Main Deck Plating: 1/4" Plate

Bulkhead Plating: 1/4" Plate And 3/16" Where Corrugated

Tank Top Plating: 1/4

Transverse Frames: Deck: 3" X 3" X 5/16" / Side: 3" X 3" X 5/16"

Transverse Frames: Floors: 1/4" ' '

Engine Foundation: 8" X 3/4"

Longitudinal Floors: 5/16"

Deck Girders: 3" X 3" 5/16" Beams

Bottom Longitudinals: 5/16" Plate

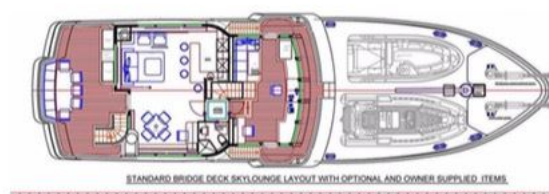
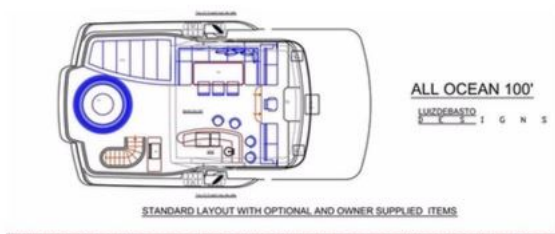
Side Longitudinals: 3" X 3" X 5/16" Or Plate

Deck Longitudinals: 5"X 3"X 5/16"
 Bulwark Frames: 4"X 1/4" Plate
 Bulwark Longitudinals: 3"X 1/4"
 Bulwark Cap Plate: 2 1/2" Stainless Steel Oval
 Bulkhead Stiffvert: Corrugated
 Bulkhead Stiffhoriz: Corrugated
 Anchor Sprit And Guards: Stainless Steel 316
 Chain Locker: 5/16"
 Rub Rails: (9" X 3" X 9") X1/4" 316 Stainless Steel Cap

Major Equipment List and Systems

- Main Engines: 2 x Caterpillar model C18 Electronic, A rated 450 BHP@1800 RPM with deep sump oil pan 24V elect start
- Reduction gears: 2 x twin disk 3.50.1 with velvet drive
- Generators: (2) Kilopak or Northern lights 35 KW@1800 rpm 120/240 three phase 12 v electric start
- Shafting: 2 x 4" diameter Aqualoy 17 stainless steel
- Propellers: One pair, 1 R/H & 1 L/H Bronze, 5blade propeller
- Rudders: 2 x wing shaped semibalanced
- Vibration Dampers: all reciprocating machinery shall be mounted on resilient mounts
- Exhaust systems: Centek water wash system mains and generators
- Fire Extinguishing system: KiddeFenwal CO2 or Optec International water mist. pump system with outlets per class, piping to be CiNi
- Engine controls: Kobelt with SPA 10590 remote
- Hydraulic steering system and pumps: Kobelt
- Bow Thuster: American Bow Thruster 65 HP
- Windless & ground tackle: 2 x 200 Kgs CQR type anchors with 2 x 137 meters 5/8 stud link chain, 2 x Maxwell VWC6000 windless, foot controls and remote control. Stainless chain guard on bow, Chain counters in wheel house
- Air conditioning system: One Aqua Air Series Model A12 22 HC with soft starts with a total of 12 tons, Tempwise 2000 fan controls, 2 x raw water pumps
- Stabilizers: Quantum Marine Zero Speed
- Engine room Ventilation system: 2 x fans with variable speed and revering controls
- Tank Gauges: Self closing sight glass or dip sticks on all tanks plus a Tank Tender or similar electronic system
- Black water system: Head Hunter
- Steel head or Aritex marine crane 2 tons
- 2 x Passarelle: Aritex or similar fully retracting hydraulic passarelle
- Air horn: Buell quad pneumatic air horn with auto fog system.
- Sea Chests: Two sea chests with cross over pipe to feed all sea water systems
- Sea Water system: All piping shall be CuNi, all systems shall have individual sea strainers
- Bilge system: There shall be a AC power system and DC system, the AC system shall be backed up by the fire main system
- Black & Grey water system: Head Hunter toilets system, 2 x diaphragm pumps for black and grey interlinked. Holding tanks for black and gray
- Fuel oil system: 4 tanks including day tank holding approximately 9160 US gallons (34,800 liters) Alfa Laval MiB 303 fuel cleaning system, two x Racor fuel filters, Mod 751000MA for main engines, 2 x Racor fuel filters, Mod 1000 single for generators, Blackmer series molel 414414A electric transfer pump, one manual pump.
- Lube Oil and Dirty oil system: 1 x 120 US gallon (456 liters) clean oil tank, 1 x 120 (456 liters) 2 x Oberdorfer AC pump hard plumbed into the system

- Portable water system: 2 x 800 gpd desalination units with auto back flush system, sand filter 2 x pressure sets Water Maker inc ¾ Hp AC with 36 gallon pressure tank, Hot water circulating pump, 2 x 50 US gallon (190 liter) hot water heaters, 2 x AquaPure drinking water filter, 1 UV filter, 1 pressure reduction valve, 4 fresh water deck out lets, 2 x fresh water shower
- Compressed air system: 1 1/3 hp model 3 C2425252D with 2.5 gal reserve tank, outlet in engine room and foredeck
- Shore power feed/ power conversion system: Atlas 45 KVA power converter, 2 x 100 amp Glendening cable system, 2 x 150' of 100 amp cord
- Main Switchboard: Atlas panel with seamless transfer, Trace inverter with link 4000
- Ships Lighting: As much as practical all lighting shall be LED
- Low Voltage system: Main engine starts 24 volt, 2 banks 8D batteries with paralleling system, Generators 12 volt, 2 banks 8D with paralleling system, Electronics: 4 12 volt 8D batteries for to banks of 24 volts, House bank 2 8D batteries for 24 volts, Chargers 1 60 amp, 2 x 40 amp
- Navigation lights: Aqua Signal 55 series LED
- Corrosion Monitor: Engelhard Monitor
- Under water lighting: 5 LED lights
- WINDSHIELD WIPERS Five (5) electric wipers, one for each of five (5) center windows, Exalto / Vetus 295M pantograph with integral washers, or equal, with stainless steel arms.
- COMPASS Two (2) Danforth 5" Constellation or similar.
- PILOTHOUSE SEATING One (1) bench settee seat per designer drawings with granite top table, One (1) centerline helm seat as per drawings







use

Updated



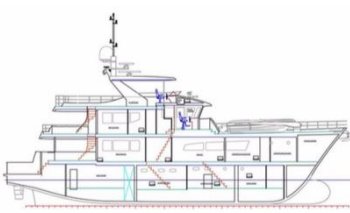
CAPTAIN'S CABIN UP OPTION



Owner Behind Wheelhouse Layout Tub / Shower



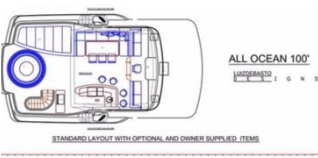
100' MONACO



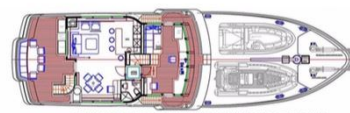
OPTIONAL OPEN GALLEY LAYOUT WITH OPTIONAL & OWNER SUPPLIED ITEMS



ALL OCEAN 100' LAYOUT WITH OPTIONAL COUNTRY KITCHEN LAYOUT WITH MASTER BEHIND WHEELHOUSE OPTION



STANDARD LAYOUT WITH OPTIONAL AND OWNER SUPPLIED ITEMS



STANDARD BRIDGE DECK SKY LOUNGE LAYOUT WITH OPTIONAL AND OWNER SUPPLIED ITEMS



Up / Forward TV Lounge & Office / Aft Bar / Gaming Room

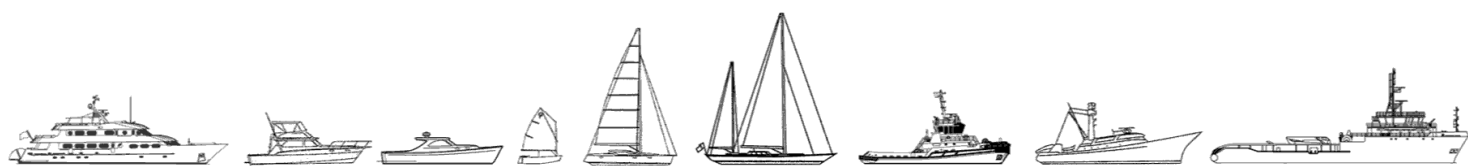
Updated Main profile layout



STANDARD LAYOUT 'MONACO' WITH OPTIONAL AND OWNER SUPPLIED ITEMS



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