



Kéréon 77' Closed Flybridge By Galileo





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00.00.00.00 GENERAL

00.01.00.00 Principal characteristics

	Imperial	Metric
Length overall		23.38 m
Hull length		23.38 m
Length at waterline		21.40m
Beam		9.75 m
Draft		1.45 m
Boat weight (unloaded)		35000 kg
Max load (cargo and crew)		15000kg
Boat weight (fully loaded)		50000kg
Engines 2x 440hp		Yanmar 6LY2A-STP
Fuel capacity		2x 3500 l
Range at voyage speed 9.5kts		3780 miles
Range at cruising speed 12kts		3140 miles
Range at full speed 17kts		1300 miles
Water capacity		2x 500l
Yacht Design		Luc Simon
Naval Architecture		Blubay Yachts

01.00.00.00 ALUMINUM

01.01.00.00 Hull:

- 01.01.01.00 Best marine grade aluminum structure: Alustar or Sealium. Hull bottom plating 7mm, hull topsides 5mm. Transverse frame spacing at 800mm through out the boat.
- 01.01.02.00 The hull will be sub-divided by four (4) watertight structural transverse bulkheads:
- 01.01.03.00 All watertight structural bulkheads will be built of Aluminum construction. Pipes, wires, etc., passing through these bulkheads will be fitted with proper watertight penetration sleeves, fittings, or otherwise suitably protected. The engine room bulkheads will be insulated for heat and sound; the crew/guest bulkhead will be insulated for noise.

01.02.00.00 Deck:

- 01.02.01.00 Best marine grade aluminum structure: Alustar or Sealium. Plating 4mm. Transverse frame spacing at 800mm through out the boat.



01.03.00.00 Painting & Corrosion protection

- 01.03.01.00 Fairing & painting in Awl grip or equivalent quality to the yacht standards.
- 01.03.02.00 All bilges to be epoxy painted.
- 01.03.03.00 Engine room as well as Lazzarette to be epoxy painted. Sound absorbing material to be installed in the engine room as well as in the propeller-shaft areas to absorb vibrations and noise.
- 01.03.04.00 All battery holds to be constructed to prevent corrosion from acid electrolyte
- 01.03.05.00 Adequate flat discs anodes to prevent hull corrosion recessed in keel pockets. Anodes for shaft and propeller protection.

02.00.00.00 WOODWORK:

02.01.00.00 Exterior Woodwork

- 02.01.01.00 All exterior joiner work will be to the yacht standards. All wood used will be free from moisture splits, wind shakes, checks, sap, and large knots.
- 02.01.02.00 Teak decks according to the contract drawings.
- 02.01.03.00 Teak cap rail on main deck & flybridge.

02.02.00.00 Interior Joinery

- 02.02.01.00 The layout of interior living spaces will follow the General Arrangement contract drawing. Headroom to be provided (from top of floor covering to bottom of finished overhead panel) will be as follows:

2000mm	Main	deck
2000mm	Lower	dewk
1950mm	Crew's Quarters	

Veneers, millwork, and wall panels will be finished in accordance with the Owner's interior design wishes. Interior joinery and plywood marine grade.

Interior overhead panels will be removable, suspended from the deck head to allow access for maintenance where required.

03.00.00.00 DECK HARDWARE:

**03.01.00.00 General**

Exterior fittings will be polished stainless steel or painted aluminum.

03.02.00.00 Bits, Cleats & Hawsholes

All deck hardware, including the bitts, is to be 316 stainless steel. All bitts, cleats and hawsholes will be properly fit and secured with the necessary reinforcements on deck or in the bulwarks. Bitts and hawsholes will be provided as shown in the General Arrangement contract drawing.

03.03.00.00 Rails

Location and configuration of rails will be as indicated on the Outboard Profile and General Arrangement contract drawings. Railings will be polished stainless steel with approximately 1-1/2" uprights and 1-3/4" horizontal tubing or pipe. All welds will be ground smooth.

03.04.00.00 Bulwark gates

Bulwark gates will be provided at the main deck entry doors port and starboard. The gates will be constructed of Aluminum with an approximate net width of 750mm, supported by two (2) stainless steel hinges and fitted with all necessary hardware including positive latches.

03.05.00.00 Stairs & Ladders

Exterior stairways will be located as shown in the General Arrangement contract drawing. Stairways will be provided with appropriate polished stainless steel handrails. An inclined stainless steel ladder will be fit for access to the engine room. A vertical ladder shall be fit for access to the crew's quarters forepeak.

03.06.00.00 Opening portlites

As per contract drawings

03.07.00.00 Fixed portlites

As per contract drawings

03.08.00.00 Windows

Windows located in the wheelhouse and on the main deck shall be 5/8" thick single thickness tempered glass. All other windows will be 3/8" thick single thickness tempered glass. Wheelhouse windows will be clear. All superstructure windows are of the non-opening type, of flat glass safety glass.

03.09.00.00 Windshield wipers



- (3) pantograph windshield wipers will be installed the front windows in the wheelhouse. Selective operation of each wiper will be provided by means of variable speed, intermittent electric switches located in wheelhouse.

A fresh-water line with spray nozzle will be provided for each window having a wiper.

03.10.00.00 Exterior doors

The location, type, and swing of exterior doors shall be as shown on the General Arrangement contract drawing. Watertight doors or hatches shall have suitable gasketing and dogging provisions. Weather tight doors and hatches shall have gutters, scuppers and weather stripping as needed to keep out rain and spray in seagoing conditions.

All weather tight hinged exterior doors will be constructed with tempered glass windows and equipped with two dogs. Doors will be provided with heavy-duty marine type locksets, anti-rattle holdback hooks, and be keyed alike. Main deck entrance doors will be at least 1500mm wide.

An aluminum watertight door will be provided between the engine room and the lazarette.

An aluminum watertight door will be provided between the swim platform and lazarette.

03.11.00.00 Hatches and Manholes

The Builder will provide two (2) escape hatches in the overhead in the crew area, with ladders allowing access to the escape hatches. A flush aluminum hatch will be provided for access from the foredeck to the chain locker.

Manholes shall be bolted and sealed with appropriate sealant or gasket to permanently withstand the same head as the tank or compartment served. Covers, bolts and threads shall be of such material and dimension as to permit periodic removal and subsequent closing to original tight condition. Covers shall be flush in tanktops serving as decks.

04.00.00.00 MECHANICAL:

04.01.00.00 Engine and equipment:

04.01.01.00 Yanmar 6LY2A-STP, with standard controls in the wheelhouse and flybridge.

04.01.02.00 Resilient Mounts & Soundproofing: Any vibration producing



04.01.03.00 equipment shall be installed on resilient mounts of oil-resistant material (rubber or synthetic) for vibration reduction. The mounts shall be sized and located as recommended by the manufacturer. The foundations, with resilient mounting, shall be designed with high stiffness to be compatible with the mounting system. The natural frequency of the selected insulation system shall be selected to effectively isolate the equipment. The vessel is intended to be quiet and vibration free. Builder will use its best construction and fabrication practices to meet this goal. Where opportunities arise during construction, Builder will propose additional sound treatments for consideration by the Owner. All interior surfaces will be insulated for heat and noise

All steering gear and deck equipment will be sized and installed in keeping with the intended service.

04.02.00.00 Steering gear

04.02.01.00 The vessel will be equipped with hydraulic steering gear. The helm unit will consist of a rotary hydraulic hand pump

04.02.02.00 Two (2) balanced rudders with streamlined rudder blades will be provided. Rudders will be aluminum construction.

04.03.00.00 Anchoring

04.03.01.00 Chain locker is located in the forepeak as shown on the General Arrangement contract drawing. A centerline divider will separate port and starboard chains. Grating will be installed to ensure proper drainage. The chain pipes through the main deck from the windlasses will be designed and fabricated to ensure that the chain runs freely.

04.03.02.00 Anchor, chain & windlasses

05.00.00.00 ELECTRICAL & ELECTRONICS:

05.01.00.00 12V DC System

05.01.01.00 5 batteries, 2x engine, 1x Generator, 2x House supply

05.01.02.00 Automatic battery charger

05.02.00.00 220V AC



05.02.01.00 Generator 1 x ML 844 Northern-lights 12KW 50HZ

05.02.02.00 Shore power connection 230v/400v, 50Hz

05.03.00.00 Electronics Navigational

05.03.01.00

05.04.00.00 Electronics Entertainment System

05.04.01.00

06.00.00.00 PLUMBING:

06.01.00.00 Fresh water system:

06.01.01.00 2x 500l fresh water tanks will be of Aluminum construction, fitted with fill and vent pipes, and tested after completion. The tank interiors will be epoxy coated with an approved potable water coating system.

06.01.02.00 Pressurized fresh water system with electric 12V fresh water pump and accumulator, level indicator, Manual backup fresh water pump at galley sink.

06.01.03.00 Fresh water outlet at anchor locker for wash down.

06.01.04.00 One reverse osmosis water maker will be installed in the manufacturer's instructions. The system will be complete in all respects, including sea intake valves, piping, strainers and filters, sea water pumps, pressure gauges, salinity monitoring system, flow meter, and all require valves and fittings.

06.01.05.00 The hot water system will include two hot water tanks

06.02.00.00 Gray & black water system

06.02.01.00 2x 200l Gray water tank with electrical pump-out.

06.02.02.00 2x 200l Black water tank with electrical pump-out.

06.02.03.00 The black and gray water tanks will be of FRP construction, with

06.02.04.00 transverse and longitudinal swash bulkheads. All tanks will be equipped with vent



06.02.05.00 pipes and tested after completion. The tank interiors will be epoxy coated against

06.02.06.00 corrosion.

06.02.07.00 All toilets Jabsco, electrical with fresh water flush.

06.03.00.00 Salt water system

All salt water intakes & thru-hulls marine grade with valve, double clamped. All through-hull hoses equipped with TWO hose clamps for redundancy.

06.04.00.00 Bilge system

06.04.01.00 Central electric bilge pump with float switch & sump area for “dry bilge”

06.04.02.00 Shower sump-pump with automatic float switch

07.00.00.00 INTERIOR:

07.01.00.00 Standard Interior Arrangement

07.01.01.00 Interior arrangement regulated by contract interior arrangement drawing

07.02.00.00 Standard Interior outfitting:

07.03.00.00 Standard Interior materials:

08.00.00.00 APPENDAGES:

08.01.00.00 Keel

08.01.01.00 Keel-skeg for directional stability and rudder protection

08.02.00.00 Rudder:

08.02.01.00

09.00.00.00 FIRE SYSTEM & EQUIPMENT:

**09.01.00.00 GENERAL**

- 09.01.01.00 Fire systems will be designed and installed to promote early detection and extinguishing of on board fires.

09.02.00.00 FIRE EXTINGUISHING SYSTEM

- 09.02.01.00 A total flooding CO2 extinguishing system will be installed in the engine room. One (1) manual control box will be provided for the engine room, located outside of the engineroom. The system will consist of one or more cylinders, sized according to the manufacturer's recommendations, installed near the engine room, with all necessary control elements, piping, safety devices, etc. Provisions will be made so that when the system is activated, the engine room air supply fans will be automatically shut-off, fire dampers in the engine room ventilation ducting will be automatically closed, and generators, main engines, and fuel transfer pumps will be shut down.

09.03.00.00 FIRE DETECTION

- 09.03.01.00 As part of the OFE vessel alarm system, a fire detection system will be installed, with detection units throughout the vessel. Each detection unit will activate an audible alarm in the room where located and tie to the ship's alarm system.

09.04.00.00 PORTABLE FIRE EXTINGUISHERS

- 09.04.01.00 Portable fire extinguishers will be provided throughout the vessel

10.00.00.00 DELIVERY**10.01.00.00 GENERAL TESTING AND TRIALS**

All work accomplished under these Specifications is to be thoroughly tested in order to demonstrate satisfactory workmanship and suitability for the purpose intended and also that all requirements of the Specifications have been satisfactorily fulfilled.

- 10.01.01.00 All tests will be conducted by Builder prior to launching and sea trials whenever practical.
- 10.01.02.00 All tanks shall be tested and made tight.
- 10.01.03.00 All Windows, port lights, hatches, decks, etc. shall be hose tested and made tight.
- 10.01.04.00 All working parts of systems or machinery must run smoothly and show no tendency to overheat.



10.02.00.00 SEA TRIALS

- 10.02.01.00 During the sea trials a thorough inspection will be conducted of the vessel, the components and all machinery. The vessel will be operated under service conditions to determine if all components and systems operate satisfactorily.
- 10.02.02.00 Following completion of the trials, any item of equipment which is defective will be repaired or replaced. If major repairs are necessary the trials are to be rerun until all equipment meets the requirements.

10.03.00.00 COMPLETION AND DELIVERY

Upon completion of the vessel and all tests and trials, and after completing any corrective work resulting from the trials, the vessel shall be delivered to the Owner in first class operating condition. All interior and exterior spaces will be cleaned and washed. All piping systems and machinery will be full of their required operating fluids.



11.00.00.00 ANNEX EQUIPMENT LIST

General

Air conditioning / Heating System STD

Quiet Area

1 owner cabin (double bed) with large bathroom (bath+WC) STD

DVD, TV and independent Hifi in the owner cabin. STD

Mattress latex STD

Hair drier STD

3 double staterooms with each one its private bathroom (shower) STD

CD player in each stateroom STD

Gourmet Area

American refrigerator: STD

Refrigerators: 250 l (150 + 100 L) STD

Conservator : 50 l STD

Ice makers : 500 ice floes STD

Freezer: 120 l STD

Microwave STD

Gas cooker STD

Coffee machine STD

Toaster STD

Hoover STD

Oven STD

Dishwasher STD

Sink with mixer STD

Relax Area

Living room with library STD

Fireplace with insert STD

bar with stools STD

TV with movable flat screen STD

satellite telephone Option

satellite TV Option

Internet Option

DVD player STD

video conference Option

videogames player STD

Business Area

Desk STD

PC STD

Internet, e-mail Option

satellite fax and telephone Option

Fitness Area :

Fitness room very equipped: travelling carpet, oarsman... STD



It is equipped with an auxiliary bed in driving position when used.

STD

Passion Area :

Choice/combination between:

Option

Seadoo

Option

light sailing catamaran (quick mounting)

Option

Wind surf

Option

diving equipment (compressor)

Option

Big game fishing

Option

Water skiing

Option

Sauna

Option

Jacuzzi

Option

Service Area :

Linen room

STD

Freezer

STD

Additional refrigerator

STD

Washing machine, drier

STD

Domestic iron

STD

Super wall cupboard do-it-yourself (if you are a handyman and autonomous: complete workshop)

Option

Navigation Area

Chart table

STD

1 radar system, scanner, radome & adequate data processing unit

STD

1 standard C with antenna, modem, screen, printer and keypad

STD

1 BLU with adequate antenna and receiver

STD

1 Autopilot system

STD

1 Gyrocompass and interface

STD

2 Global Positioning Systems and antennas

STD

1 Marine Computer with Electronic Charting System and navigation software

STD

1 SSB & VHF connexion

STD

1 NAV-5 system, with GMDSS approved antenna and receiver

STD

2 approved portable handset VHF

STD

1 Mini M system

STD

1 LCD display screen

STD

1 loch and wind indicators and transducers

STD

8 repeaters (large display screen instruments)

STD

2 depth meters, 1 with front view

STD

Swimming area

The back of the main bridge consists of a rectangular platform assembled on vertical rails enabling him to go up and go down thanks to the winches.

STD

This platform supports the dinghy on a journey, and allows fast and easy water of the latter by going down under the surface of the water.

STD

It can then be used as a small pool for the children, while offering an easy access to the bathe.

STD

Bath ladder of large dimension

STD

Sun area



The front pulpits are equipped with seats.	STD
The trampolines are in synthetic mesh sufficiently fine to remain pleasant naked feet.	STD
Cockpit:	STD
A refrigerator and a sink:	STD
Flybridge cover	Option

Crew area

2 cabins for the crew (skipper and hostess), with 2 simple berths in each one, at the front of each hull, with access by the deck.	STD
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Sail option :

Sail mounted on bi-pode mast	Option
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Electrical systems

Windlass	STD
Capstaw	STD
Navigation lights	STD

Mooring and safety equipment

STD

Tender

Option