Trixplorer 56.65 M
Aluminium Hull and superstructure
Asking Price 56.000.000 €



Built 2024/25
Beam : 19.54 M
Draft 2.05 M
Engine: 4

Description
The 56.65m (184’) MP 300 TRIXPLORER superyacht concept has been revealed and designed to have a minimal environmental impact. She has a diesel-electric hybrid propulsion system, as well as solar panels and wind generators.

With the MP 300 TRIXPLORER’s maximum speed of 20 knots and a cruising speed of 15 knots, this vessel has a range of up to 6,000 nautical miles thanks to state-ofthe-art diesel propulsion with minimal emissions, together with a hybrid system that allows operation in an ecological and low-cost way for long navigation periods with zero emissions.

The TRIXPLORER can accommodate up to 12 guests on board. She has an infinity glass swimming pool, a large gym, a sauna, a library, and a cinema on board. For maximum service aboard, this vessel is also capable of carrying 21 crew.

The Owner has his own deck which includes a spacious bedroom with his and her bathrooms, an office and an observatory lounge.

With aluminium construction for unrestricted navigation, the concept MP 300 TRIXPLORER is a new multihull exploration yacht, designed as an offshore motor trimaran, with superb seakeeping & station keeping capabilities developed for professional trimarans and offshore wind farms or oil & gas platforms. Which require operation in the most severe conditions on the globe on a continuous, safe, reliable and comfortable manner, without forgetting its efficiency and low cost of operation and maintenance.

She features huge exterior and interior surfaces, similar to those found on yachts greater than 75 meters in length or more, with an interior layout designed for long stays on board while maintaining autonomy and privacy.

Particular attention has been paid to sustainable and recyclable construction, as well as to the hybrid operation of the propulsion and hotel functions, making the most of sustainable energy recovery with very low or no emissions.

These strict parameters, added to an interior and exterior distribution without limitations, with the demanding operational limits and levels of comfort and functionality expected by the most demanding Superyacht Owners and crew, have resulted in this attractive and different vessel.

The MP 300 TRIXPLORER yacht is sought to combine all the really important key points for an explorer: huge space, owner/guest and crew independence and functionality, a very efficient, robust and at the same time light hull to allow electric propulsion, which can navigate in ice areas and do Transpacific crossings without inconveniences, low consumption and maintenance, with a remarkable seakeeping and a station keeping very optimized to allow you to stay in a place without anchoring (protected areas) and even avoid expensive marinas by staying in hybrid mode in DP, with solar and wind recharge.Everything has been optimized: the tenders, the helideck, the operation of the submarine, the beach club, the stowage capacity and the ease of loading and unloading, the spa/ wellness area and the large, glazed areas to have a true balcony over the sea.

Finally, special attention has been paid to the details that make the difference between a coastal navigation yacht and a true explorer: plenty of tenders and toys to explore (no need to call a tank truck every three days), what to do with the garbage, have available and truly isolated cabins for unanticipated guests or medical emergencies, a large capacity and autonomy helicopter with permanent hangar, all the water & land toys, a real submarine and a multitude of other details that make life easier in every corner of the globe.

KEYPOINTS

- Strengthened hull for grounding, Ice Class 1C, protected propellers
-Three propulsion modes: low consumption diesel in the greenest version available, EPA Tier IV IMO III; Hybrid mode for extended range; Full Electric mode with Lithium-Ion High Capacity Professional
-Batteries, Solar Panels & Wind Generators
-Enhanced Station keeping avoiding expensive moorings, extended ability to stay in DP positioning for long periods of time in hybrid mode, with solar & wind recharge
-Removal Hatches for main engines, generators and batteries
-Large Permanent Helideck (D13m MTOW5t) with helicopter storage below, together with tenders, cars & quads
-Observatory Lounge and big Spa & Wellness area facing the sea
-Optimized storage capacity for food and supplies, as well as for garbage
-Large and comfortable crew areas, with independent circulation and all the facilities for boarding and disembarking guests and supplies
-Superb areas for diving, exploration and water/land/land toys, toys, next to a next to a 180 m2 Beach Club
-Three large tenders, plus a deep exploration submarine, easily deployable and retrievable
-Very extended autonomy, and maximum speed of up to 20 knots. Up to 15 knots in full electric mode
-Huge Owner's deck, (646 m2), plus library, cinema, and extensive exterior decks
-When electric: both noise and vibration-free ride -> comfortable sleep
-With the Owner onboard, the yacht can stay in an exclusive place without anchoring (DP) for 8 hours with diesel generators OFF meaning that the Owneris in the most exclusive site with minimal economic costs and without hurting the flora and fauna of the site. Of course, without noise nor vibrations -Shallow draught: 2.05 meters maximum

Measurements
LOA: 56.65 m
Beam: 19.54 m
Max Draft: 2.05 m

Propulsion

Engine #1

MAN D2862 LE489A
Engine Make: MAN
Engine Model: M.A.N D2862 LE489A

Primary Engines: Inboard
Drive Type: S haft Drive

Location:	Center Port
Power:	1430 hp

Engine #2

Engine Make:	CATERPILLAR
Power:	536 hp
Engine Model:	C9.3

Primary Engines: Inboard
Power 1430 HP
Drive Type: Shaft Drive
Location: Center Port

Engine #3

Engine Make: CATERPILLAR
Power: 536 hp
Engine Model: C9.3
Primary Engines: Inboard
Drive Type: Shaft Drive
Location: Center Starboard

Engine #4

Engine Make: MAN
Engine Model: D2862 LE489A
Primary Engines: Inboard

Drive Type:	Shaft Drive
Location:	Starboard
Power:	1430 hp

Full Specs
PRELIMINARY SPECIFICATIONS

MAIN CHARACTERISTICS

Builder: TBD

Model: MP 300 TRIXPLORER
Designer: Marcelo Penna

Type: Motor Yacht / Hybrid Yacht / Maxi Trimaran / Megayacht / Explorer Yacht / Expedition Yacht

Length O.A.: 56.65 m
Length W.L.: 56.65 m
Beam: 19.54 m
Draft: 1.90/2.05 m

Displacement (L/F): 380/520 Ton
Gross tonnage: 1,330 Gt
Fuel tanks capacity: 120,000 l
Urea tanks capacity: 12,000 l
Fresh water tanks capacity: 4,000 l
Lube oil tank capacity: 5,000 l
Hydraulic oil tank capacity: 2,000 l
Waste oil tank capacity: 3,000 l
Bilge water tank capacity: 3,000 l
Grey & Black water tanks capacity: 8,000 l

CONSTRUCTION & CLASSIFICATION

Aluminium hull & superstructure (5083 H111 & H32 rolled plate, 6005 T5/T6 extruded profiles)

Sustainable Teak decks
Ice belt
Build to Lloyd's Register of Shipping / DNV regulations with Class Notation ? 100 A1 SSC Yacht, Trimaran, G6, DP1, ? LMC, UMS, ICE CLASS 1C. The vessel is to be built to comply with the regulations and requirements in accordance with the MCA, LY3, Unrestricted, for 12 guests/passengers and up to 20 crew members

Aluminium Weights:

Hull: 100 Tons

Superstructure: 62 Tons
Total: 162 Tons

Painting Areas:
Hull below DWL: 644 m2
Hull above DWL: 1264 m2
Superstructure: 1021 m2
Decks: 951 m2
Garages: 271 m2

Statutory Certificates:
Intact Stability
Damage Stability
Load Line
MCA Charter Yacht Safety Certificate
USCG Statement of Compliance
International Tonnage Certificate
Panama Channel Tonnage Certificate
Suez Channel Tonnage Certificate
Marpol Annex I

PROPULSION

Type / Fuel: Twin Diesel / Hybrid

Main Engines: 2 x 1430 + 536 (electric) Hp (1066 + 400 (electric) kW) MAN D2862 LE489A @ 2100 RPM

EPA Tier IV IMO III

Eco Cruising speed (loaded): 8 knots (maximum 3 hours)
Eco Maximum speed (loaded): 11 knots (maximum 1 hour)
Cruising speed (loaded): 15 knots
Maximum speed (loaded): 20 knots

Range @ 15 knots (Fuel / Hybrid): +3300 / +4500 NM
Range @ 12 knots (Fuel / Hybrid): +4300 / +6000 NM
2 x Fixed pitch propellers of Nickel Aluminium Bronze
2 x Stainless-steel shafts, (AQUAMET)
2 x High efficiency rudders

PROPOSED LAYOUT

Sun Deck:
Skylounge

Bridge Deck:
Deck saloon
Deck bar
Deck spa and gym
Bridge
Captain's cabin
Exterior dining

Owner's Deck:
Beam-wide Owner's stateroom
Owner's study
His & Hers en-suite bathroom
Library
Observation lounge
Exterior lounge and dining
Helideck

Main Deck:
Main dining room
Main saloon
Entertainment / Media room
Cinema / Conference room
Galley / Crew Mess
5 x Double or Twin Guest staterooms, each with en-suite bathrooms
1 x Twin en-suite staff cabin
Sick bay
Infinity glass pool to port aft
Welcome exterior saloon
Port, Starboard and bow deck tender storages

Lower Deck:
Beach club with and en-suite facilities
Bar and lounge area
10 x Bunk-bedded crew cabins

Laundry room
Port hull with diving centre
Starboard hull with small watercraft and toys storage
Garbage room s and incinerator

Underdeck:
Central hull with cold room and additional fridges and freezers
OTHER MACHINERY

Generator Sets:

2 x CATERPILLAR C9.3 – 245 ekW @ 1500 RPM – 400 VAC – 3 phase 50 Hz
or similar
1 x CATERPILLAR C4.4 – 58 ekW @ 1500 RPM – 400 VAC – 3 phase 50 Hz
(emergency or crew generator) or similar

Separators:
ALPHA LAVAL, WESTFALIA OSD fuel centrifuge separator or similar
BLOHM + VOSS Industries TMPB, FACET International, WESTFALIA bilge water separator or similar

Batteries:

20 x CORVUS DOLPHIN Power Battery Packs (2.4 MW)

Bow Thruster:
SCHOTTEL Azimuthal Pump Jet 200 kW

Stern Thrusters:
2 x SCHOTTEL Azimuthal Pump Jets 105 kW

Water Makers:
2 x IDROMAR Mini Compact Senior reverse osmosis desalinator 3000 l/day each or
2 x SEA RECOVERY Aqua Whisper Compact 3000 l/day each or similar

Air Conditioning:
CRUISAIR, CONDARIA or similar reversible fan coil system

Fire-control Systems:
AUTRONICA, NOVENCO & TYCO or similar fire detection + alarm system

Sewage Treatment Plant:

HAMANN, HOLLAND MARINE or similar

OTHER MAIN EQUIPMENT

Yachting Protection:

Silicone bio antifouling system
Impressed Current Cathodic Protection System from CATHELCO
Communication, Navigation & Entertainment:
Full electronics & worldwide communication systems
Full entertainment systems throughout
Dynamic Positioning DP1 by KONSBERG, WARSTILA or similar

Hydraulic Equipment:
Mooring capstans & windlasses

Tender Cranes:
Aft telescopic gangway
Side doors
Aft platform
Helicopter lifting platform
Helideck side platforms

Carbon Fiber Equipment:
Side boarding ladder Port or Stbd
Bathing & Diving ladders

Lighting Miscellaneous:
Underwater lights
270 Night vision

TENDERS & WATER SPORTS
11.00 m VORK Catamaran

11.00 m MUNSON Catamaran

800 HURRICANE Solas rescue tender 8.00 m

3.x Wave runners KAWASAKI STX-15F or similar

4.x Jet-skis KAWASAKI 800 SX-R or similar

Place for Kayaks, Waszp foiling sailing dinghies, Windsurf & Paddle surf boards, Seabobs, Motorcycles, Bikes, Smart cars, Quads & Water toys

LIFE SAVING EQUIPMENT

Throw-over SOLAS life rafts Class A
on Upper Deck: 4 x 25 pax – Total: 2 x 50 pax

INTERIORS

Interior Heights:

The minimum and maximum values of interior heights will be the following (in mm):

	MIN	MAX
Lower deck	2150	2200
Main deck	2250	2350
Owner's deck	2200	2300

Yacht Brochure
Available on request

Delivery
24 Months from firm order

Warranty WARRANTY

5 Years on the hull, 2 years on the rest of the vessel

Berth
Berth place management possible on French or Italian Riviera as well as Spain (Mainland and Balearic Islands), Greece and Turkey.

Disclaimer
These particulars are given in good faith as supplied to us but cannot be guaranteed and cannot be used for contracts
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