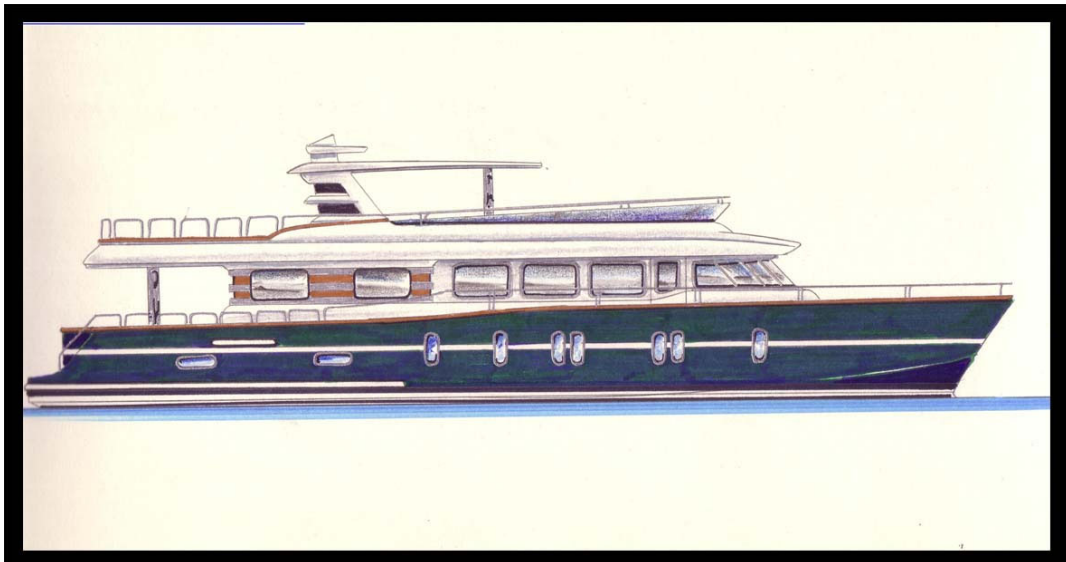




Galileo 77 DC

DAY CHARTER CATAMARAN

Preliminary Specification





INTRODUCTION

The **Galileo 77 DC** is a catamaran which offers a high performance level, comfort, safety and easy handling.

The **Galileo 77 DC** shows an exceptional styling with modern and elegant lines, which are perfectly integrated with the importance of the interior volume. She is a veritable yacht, elegant and refined.

CONCEPT

The **Galileo 77 DC** is a three decks catamaran designed for commercial operation. Based on our famous Galileo 77 Voyager, she has the level of comfort of a motor yacht.

The catamaran concept exceeds current super yachts exigencies. There is practically no heeling and the long and narrow hulls provide a very smooth passage through the sea, even in rough conditions. The exceptional catamaran stability offers comfort experience above “monohull” level and allows very comfortable sailing as well as mooring, even in rolling seas. The shallow draft allows anchoring very close to sandy beaches but, above all, opens up whole cruising areas that were not previously accessible to yachts of this size.

The total width of the yacht is contained in reasonable proportions, in order to reduce structural efforts and permit access to most marinas. The structural platform has a high sea clearance to eliminate wave impacts.

The **Galileo 77 DC** should not be considered as a mere day-cruiser catamaran. With its 23 meters in length, 9.7 meters in beam, for not more than 35 tons⁽¹⁾, it is a genuine yacht designed for extended use.

⁽¹⁾ Displacement in “light ship” condition.

The **Galileo 77 DC** is the result of very advanced naval architectural studies and researches. Thanks to its powerful computer tools, the design office has the ability to set down the basis of the concept and balance them according to the owner's wishes in all important design aspects:

- 3D modelling
- Naval architecture
- Finite-element analysis and structure calculation
- Interior design
- Exterior styling
- System engineering

BUILDING

The boat is built regarding the best marine standards for aluminium construction. Hull, deck and all structural members are built with marine grade Aluminium.

The boat is subdivided by five watertight structural transverse bulkheads giving additional strength to the structure and reserve buoyancy.

The boat is designed and built to prevent corrosion. Anti-fouling, fairing & painting are to the best marine standards in order to avoid any corrosion. All internal areas subjected to moisture are epoxy painted. The boat is also equipped with adequate anodes to prevent hull and/or equipments corrosion.

The boat is built at an ISO 9001 certified shipyard, with qualified welders, certified by the Germanischer Lloyd.

EXTERIOR

The exterior styling of the **Galileo 77 DC** is the result of studies which combine many considerations like hydro & aerodynamic forces, performance, comfort, style and safety.

The aft exterior saloon is a large covered terrace with an unobstructed view aft. A three-part sliding door integrates exterior settee with interior arrangement into a one great social gathering area. Exterior stair provide an access to the top of the weather deck of each hull. It is a wide, comfortable and safe forward deck access.

The flying bridge offers a huge space for sunbathing with excellent 360° visibility. A solid and stylish bimini offers shelter, while the forward central helm station allows easy and secure handling of the boat.

ARRANGEMENT:

MAIN DECK:

- 6 places sofa back to passenger saloon wall and large 12 places sofa on the aft arm
- Passenger saloon on the forward part offering a 180° view of the sea:
 - Surface approx 80 m2
 - 4 access doors to the aft
 - Standard floor covering SURESTEP and removable fitted carpet
 - Tended fabric in ceiling
 - Mahogany side sheathing
 - smoked methacrylate side glazing with wooden blinds
 - bar on port, including :
 - 3 refrigerators
 - 1 cupboard
 - 1 dustbin area
 - 1 small sink
 - 2 sockets for coffee machines

STBD HULL:

- Engine Room
- Genset room
- 1 Lavatory with WC and wash-hand basin.

PORT HULL:

- Engine Room
- 1 Lavatory with WC and wash-hand basin.
- Galley including :
 - Plate 2 gas
 - 1 microwave oven
 - Power for oven, salamanders
 - 1 cold room 2 m3 or equivalent professional refrigerator
 - 1 double sink with hot and cold water
 - 2 single-phase sockets and 2 three-phase sockets (tbc)
 - Aluminium worktop
 - Shelves / racks



FLY BRIDGE:

- Access by 2 side aluminium staircases (storage under the staircases accessible from exterior and interior)
- stainless steel guardrail on all the circumference
- Floor covering with projected non-slip painting
- bar with sink and refrigerator
- Bimini
- Helm station :
 - Panoramic dashboard
 - Captain Seat
 - Spare battery
- 360° panoramic view



GENERAL SPECIFICATION

Vessel Type:	Day Charter Catamaran
Length LOA:	23.38m – 77'
Length WL:	21.40m – 70'
Maximum Beam:	9.60m – 31.5'
Draft:	1.5m – 4.9'
Displacement lightship:	35t
Passenger capacity :	150
Displacement full load (150 p) :	52t
Construction:	Aluminium or Sealium
Classification:	CE for passenger ship
Certification :	according to CE regulation requirement

ARRANGEMENT

Upper deck:	90 m ² approx
Main deck interior:	80 m ² approx
Main deck exterior:	150 m ² approx

PROPULSION

Main Engines:	2 x 550 hp
Operating speed:	17 knots
Maximum speed:	20 knots

NAVIGATION

- 1 Magnetic Compass
- 1 Radar
- 1 Tridata with sensors
- 1 VHF
- 1 Autopilot system
- 1 Rudder angle indicator
- 1 GPS / Electronic Charting System

ELECTRICAL SYSTEM

On board currents

220 V single-phase AC, 50 Hz
380 V three-phase ???
24 V DC

Electricity production

1 generators 220 V / 50 Hz / 40 kw (380 V ????)
2 shore power
2 24 V batteries for the engine
1 set of 24 V batteries for services

Electric control panel

1 control panel for the general electric distribution
2 control panels for engine

Lighting equipment

All the technical areas are equipped with 24 V watertight fluorescent lightings.
All external lightings are 24 V DC, watertight..
All interior lightings are 24 V DC.

Video audio

Power supply for the following equipments:
6 flat LCD screens
1 DVD player
1 HiFi / CD

MISC. CIRCUITS

Fuel circuit

The ship is equipped with 2 fuel tanks of 2500 L each one, integrated in the hulls. Each tank is independent and is provided with its own vent and refuelling line.
The engine fuel-lines are equipped with water separator filter and anti-bacteria filter.

Draining circuit and fire protection

Draining circuit and fire protection in accordance with the regulation in force. The following is to be confirmed, but is a good basis :

- 4 pumps (2 driven by the propulsion engines, 2 driven by the gensets) , 2 in each hull, that can be used for both fire protection and draining circuit.
- 7 portable foam extinguishers
- Fixed system of high expansion foam in each engine room and genset room.
- Fixed system of fire detection and alarm
- Fire fighting signs



Fresh water circuit

The ship is equipped with 2 water tanks of 600 L each one.

ANCHORING AND MOORING SYSTEM

Anchoring

2 62kg POOL-TW S.E.C, with 12.5 mm Q2 stud-link (110m) chain, to be adapted to flag regulation

2 vertical hydraulic windlasses

Mooring

6 textile mooring lines (2x25 meters and 4x15 meters)

4 quay fenders

Towing

1 textile 50 meters

TANK CAPACITIES

Fuel Capacity: 5000 litres – 1321 us/gal.

Fresh Water Capacity: 1200 litres – 317 us/gal.

Grey Water Capacity: 500 litres – 132 us/gal.

Black Water Capacity: 500 litres – 132 us/gal.

CLASSIFICATION AND SAFETY EQUIPMENTS :

Classification will be according to the CE regulations for passenger ships.

Nevertheless, some of the safety equipments will be provided by the end user. Here is a table indicating who is providing the equipment:



	Shipyard	End User
Navigation Lights and Signals (Horn, bell)	X	
Rescue boats, life jackets, flares		X
Navigation equipments according to safety regulation		X
Fire protection equipments	X	
Draining circuit	X	
Medecine kit		X
Seats for 150 passengers	X	
Mooring and anchoring equipments	X	
Electronic Position Indicating Radio Beacon		X
VHF	X	