AZIMUT GRANDE 32 METRI

Technical Specification

Release 10 July 2023

Valid from Hull: 37

CONTENTS

000 GENERAL

000.1 INTRODUCTION

Azimut-Benetti Shipyard is pleased to present the Technical Specification for an Azimut Grande 32 metri semi planing Motoryacht equipped with twin diesel engines.The yacht has been specifically designed, and is to be used solely, for recreational purposes.

The configuration of this Yacht is two decks with raised pilot house and wide body superstructure.

The design and construction will be strictly in accordance with the following specifications, that describe the standard Yacht version.

The present Technical Specification, named Specification in the following, refers to the General Arrangement MYD800032M01 (edition in force at the date of the present specification).

Any Owner's request of upgrading/modification to the Specification, to the General Arrangement and to the drawings, will be evaluated and quoted accordingly if feasible.

Some options, that can be illustrated apart, are available for the 32 METRI.

000.2 PARTIES

The Builder:	Azimut|Benetti S.p.A, Div. Megayachts Viareggio
Exterior and Concept Design:	Stefano Righini
Interior Concept:	Achille Salvagni - Customization required by owner developed by the Azimut Style Office
Naval Architect:	Pierluigi Ausonio Naval Architecture Azimut|Benetti S.p.A, R&D Department
Engineering:	Azimut|Benetti S.p.A, R&D Department Azimut|Benetti S.p.A Technical Department, Div. Megayachts Viareggio

000.3 DESIGN AND PERFORMANCES

000.3.1 MAIN CHARACTERISTICS

Length overall (handrail included):	32	m	
Waterline length at full load:	28.43	m	
Beam (overall excluding rubbing strakes):	7.10	m	
Beam overall:	7.30	m	
Draft at half load (relating to the lowest point, including the appendices, at even keel):	1.83	m	approx
Draft at full load (relating to the lowest point, including the appendices, at even keel):	1.89	m	approx
Displacement 1/3 load - test **(1)**:	124	t	approx
Displacement half load **(2)**:	127	t	approx
Displacement full load **(3)**:	136	t	approx
Gross tonnage (ITC '69):	<300 GT		

Total Fuel Oil tanks capacity:	16,000	litres	approx
Total Fresh Water tank capacity:	2,200	litres	approx
Total Sewage/Greywater tank capacity:	3,000	litres	approx
Total Urea tank capacity* (predisposition):	1,200	litres	approx

(*) - Urea tank to be adopted only with optional. SCR

Accommodation for Owner & guests:	10	persons in 5 cabins
Accommodation for crew:	5	persons in 3 cabins

Notes:

(1) 1/3 load condition: standard equipment installed (no tender, no pwc, no luggage, no options, no owner's supply…), fuel and fresh water tanks respectively at 33% of maximum value, empty sewage/greywater tank, empty pool, 16 passengers.

(2) Half load condition: standard equipment installed (no tender, no pwc, no luggage, no options, no owner's supply…), fuel and fresh water tanks respectively at 50% of maximum value, empty sewage/greywater tank, empty pool, 16 passengers.

(3) Full load condition: standard equipment installed (no tender, no pwc, no luggage, no options, no owner's supply…), fuel and fresh water tanks respectively at 100% of maximum value, empty sewage/greywater tank, empty pool, 16 passengers.

000.3.2 HULL DESIGN, STABILITY

Hull has been designed with an innovative shape, with double chine and wave piercer, in order to optimize hydrodynamic behaviour both at design speed and at low speeds; optimization tank tests have been performed for the Series at the "Brodarski Institut Zagreb" Model Basin.

The Yacht is to float according to his design waterline in the full load condition, with a tolerance of ± 0.30 m on the design LBP for the trim.

A Stability information booklet containing the stability characteristics of the Yacht under standard load conditions (lightship condition, full load/departure and 10% load/arrival) will be prepared .

The standard loading conditions for stability calculations are defined in the following way.

- Full load / departure condition for stability calculation:
  - fuel oil and fresh water tanks at 98% of maximum capacity, with max free surface correction,
  - sewage and greywater tanks at 10% of maximum capacity, with relevant free surface correction,
  - full number of passengers and provisions at 100%.
- 10% load/ arrival condition for stability calculation:
  - fuel oil and fresh water tanks at 10% of maximum capacity, with relevant free surface correction,
  - sewage and greywater tank at 90% of maximum capacity, with relevant free surface correction,
  - full number of passengers and provisions at 10%.

A Stability test will be carried out by the Shipyard on the first hull, in order to establish the Yacht lightship weight and center of gravity

position to be used in the Stability information booklet. For sister ship the stability booklet of the first hull will be used.

Passengers and crew personal effects, are included in all loading conditions for stability calculation (but not considered in performance calculation displacement).

An extra weight of 5 metric tonnes will be taken into account in stability calculation as yacht growth margin (but not considered in performance calculation displacement).

000.3.3 PERFORMANCES

Max speed **(4)**:	26,5 knots
Speed @ fuel stop power = 70% **(4)**:	21,5 knots
Range @ fuel stop power = 70% **(5)**:	~540 nautical miles
Range @ 12 kts **(5)**:	~1,300 nautical miles

Notes:

(4) Speed performance must be considered as a "target"; cruising speed levels refer to the following conditions:

- test displacement conditions: 1/3 load displacement, defined at 000.3.1,
- suction air temperature = 25°C,
- sea water temperature = 25°C,
- atmospheric pressure = 103250 Pa,
- sea condition almost quite (Douglas scale 1),
- wind speed of less than 3 kn (Beaufort scale 1),
- hull, transmissions, steering and propellers clean,
- in water with a depth of more than 30 m,
- liquids inside the tanks adjusted to obtain the right static trim.

For different environmental conditions, performance data will be adjusted according to:

- ITTC 7.5-04-01-01.2 rev.00 2005 "Full scale measurements speed and power trials – Analysis of speed/power trial data,
- ISO 3046.

For all optional and additional equipment the following reduction in speed will apply:

- maximum speed: 1.5 kn for every 6t in additional weight and 1 kn for stabilizer fins installation,

- speed @ fuel stop power 70%: 1kn for every 6t in additional weight and 0.5 kn for stabilizer fins installation,

(5) Performance range must be considered as a "target"; and it is refered to the following conditions:

- half load displacement, defined at 000.3.1,
- suction air temperature = 25°C,
- sea water temperature = 25°C,
- atmospheric pressure = 103250 Pa,
- sea condition almost quite (Douglas scale 1),
- wind speed of less than 3 kn (Beaufort scale 1),
- hull, transmissions, steering and propellers clean,
- in water with a depth of more than 30 m,
- liquids inside the tanks adjusted to obtain the right static trim.

Performance range is estimated taking into account no suctionable fuel (5%) and consumption of one standard generator (44 kW) at 75% load.

For different environmental conditions, performance range will be adjusted according to ISO 3046.

For all optional and additional equipment the following reduction of the range will apply:

- speed @ fuel stop power 70%: 25nm for every 6t weight in addition and 20 nm for stabilizer fins installation,
- speed 12kn: 60nm for every 6t weight in addition and 45nm for stabilizer fins installation.

The performance reduction criteria (speed and range) as above described are to be intended up to 10t of overload .

000.3.4 STANDARD AND WORKMANSHIP

Outfitting, engineering details, materials used and works carried out shall conform with the Azimut Grande shipbuilding standards for this class of yachts.

All materials and equipment used in the construction of the Yacht will be new and suitable for the use to which they will be put.

The selection of the Manufacturers for all items is at Azimut discretion. The Manufacturers, brands, materials and equipments may

be changed during Yacht construction with equivalent ones at Azimut discretion.

The layout and installation of all machinery, accessories and equipment will allow, as far as practicable, access for routine maintenance and servicing.

The workmanship and materials may be inspected by the Owner's Representatives, at Azimut facilities, after having agreed the survey date.

000.3.5 CLASSIFICATION

As option , the Yacht described in the Specification, including its machinery, equipment and systems can be built in accordance with the following rules and regulations:

- RINA Rules for Classification of Pleasure Yachts, Class Notation C ✠ HULL • MACH Y.

Flag Authority requirements, additional to Class Notation and to the Specification, will be evaluated case by case and quoted accordingly if feasible.

000.4 PROJECT MANAGEMENT

000.4.1 REPRESENTATIVES

A Project Manager will be appointed by Azimut as the interface with the Owner’s Representative.

Azimut will advise the Project Manager name one week following signature of the Contract.

The Owner will appoint only one Representative acting on his behalf. His name will be given to Azimut within one week following signature of the Contract.

Owner’s Consultants involved, have to refer to the Owner’s Representative.

Selection of materials or items of equipment to be done by the Owner and/or his Representative must be carried out in accordance with the schedule presented by Azimut to the Owner’s Representative at the signature of the Contract.

The communication language will be English.

000.4.2 CHANGE ORDERS

Any modification of the design, construction, furnishing, equipment, etc. which implies a change in price, weight, stability, speed, range, delivery time and/or any other feature described in the Specification and/or shown on the drawings shall only be carried out after such modification and any related change have been agreed in writing between the Owner and Azimut on a change order form.

It should be considered that any increase of weight will be reflected in a speed and range reduction.

When changes are requested by the Owner's Representative to Azimut, Azimut shall take into consideration the Owner's Representative requests, provided the requested change is not contrary to the Specification and the request is made prior to Azimut issuing the construction drawing to the production department, placing his order or carrying out the work relevant to the request.

Azimut will be entitled to refuse any requests in the last six months before the contractual delivery date.

000.4.3 DISCREPANCIES

If there is any conflict between the Specification on one hand and any plan or drawing relating to the Yacht on the other, then the Specification will prevail.

If, as a result of increased experience or general technical developments, other designs, materials or methods of manufacture than those stated in this Specification are found to be more efficient or better suited to the intended purpose, they may be adopted at Azimut discretion.

000.4.4 ACCEPTANCE AND DELIVERY

After sea trials and quay tests the Yacht will be delivered to the Owner afloat at Azimut's Viareggio Shipyard in a clean condition with all systems in proper working order. An official delivery and acceptance protocol as specified in the Contract will be signed.

000.5 DOCUMENTS

000.5.1 CERTIFICATES

At the time of the Yacht delivery, Azimut shall supply the following standard document:

- Builder's Certificate, issued by Azimut;

000.5.2 DRAWINGS

Azimut will prepare drawings and carry out calculations necessary for the construction of the Yacht in accordance with the Classification Society requirements.

The drawings shall neither be reproduced, also partially, nor in any way be used for the manufacture of the component or unit illustrated and must not be released to other parties without written consent. Any infringement will be legally pursued.

One printed set of the following engineering and arrangement drawings for operational purpose will be supplied to the Owner's Representative at the delivery of the Yacht.

1) General Arrangement,
2) stability information booklet,
3) tanks capacity plan,
4) bilge and fire fighting system,
5) sea water cooling system,
6) scuppers system,
7) fuel oil system,
8) hot and cold fresh water system,
9) sewage and greywater systems,
10) mooring arrangement,
11) electrical wiring diagrams and cable list,
12) electric switchboard and distribution panels arrangement,
13) antennas plan,
14) fire and safety plan,
15) docking/hauling plan.

000.5.3 DOCUMENTATION AT DELIVERY

The following documents in printed format will be supplied to the Owner's Representative at the delivery of the Yacht:

- One set of Original Equipment Manufacturers manuals for following equipments:
  - engine room main machinery,
  - stabilizer fins,
  - bow thruster,
  - deck equipment,
  - air conditioning system,
  - galley and laundry equipment,

- entertainment equipment,
- nav/comm/signalling systems.

All manuals will be in English language.

- Reports of shop tests of main engines, if available.
- Standard certificates as per paragraph 000.5.1.
- Drawings as per above paragraph 000.5.2.

100 STRUCTURE

100.1 HULL STRUCTURE

100.1.1 HULL AND DECK MATERIALS

Hull and deck will be built in glass-fiber reinforced plastic (GRP).

The Yacht will be constructed in a combination of foam (closed-cell) core sandwich and single skin fiberglass construction utilising mat, unidirectional, and biaxial E-glass.

For the lamination of structural parts, hull, deck and reinforcements, a polyester isophtalic resin will be used.

The prevention of hull GRP osmosis will be guaranteed using a iso-neopentylic gelcoat, in order to create a suitable barrier to sea water.

A further barrier to hydrolysis of the GRP laminate will be obtained using a vynilester resin for the execution of the skincoat (first lamination layers after the gelcoat).

Antifouling paint will be applied to the underwater hull as per Manufacturer recommendations.

Structural tanks will be coated according to details described in 600.2.8.

The mechanical and chemical properties of the laminates will be verified by material tests in accordance with the Classification Society requirements.

100.1.2 HULL AND DECK CONSTRUCTION

The structural design and assessment will be according to the most recent experience in design and construction of GRP for this type of Yacht.

The hull structure shall be framed with structural bulkheads, longitudinal and transversal stiffeners.

The hull bottom will be built in single skin-type.

The hull side and main deck will be built, mainly, in GRP sandwich-type with PVC foam core.

GRP tanks for fuel oil, sewage/greywater, fresh water and urea will be integrated into the hull structure.

Each structural tank will have at least one GRP manhole.

Tank internal surfaces will be treated in order to avoid that the liquid stowed in the tank will penetrate the GRP material.

All penetrations of piping and electric cables through watertight bulkheads will be watertight.

Structural bulkheads will be built in sandwich-type GRP, consisting of a PVC foam, and composite marine wood panels.

The Yacht will be divided in four watertight compartments by watertight bulkheads.

The watertight collision bulkhead will be positioned as standard configuration in accordance with the Classification Society requirements for Pleasure Yachts.

The Yacht will be equipped with a watertight transom door; the transom door will open turning down, creating a large bathing platform integrated with the beach area, as per General Arrangement.

A garage watertight compartment will be provided on lower deck starboard side, between the engine room and the beach area, for the positioning of one tender (Owner's supply) and one PWC (Owner's supply). A side watertight door will be provided, in order to allow launching and hauling of the marine vehicles stored in the garage.

Two chain lockers will be provided forward the watertight collision bulkhead.

A GRP bow thruster tunnel will be installed and connected to the hull by means of GRP layers.

GRP sea chests integrated in the hull bottom will be installed for main engines, generators and auxiliary services sea water supply.

A structural keel will be built, in order to increase course keeping ability of the yacht.

GRP bulwark will be built, as indicated on the General Arrangement, and will be integrated into the hull sides. The bulwark will be equipped with freeing ports, in compliance with the Classification Society Rules.

Stainless steel profiles will be fitted on the "wave piercer" bow as protection from anchors' chains.

Main engines will have main exhausts located below the waterline in GRP boxes integrated in the hull bottom, and will have the by pass exhausts located above the waterline.

Exhaust scoops will be designed, in order to keep back-pressure below the limit allowed by the engines Manufacturer.

Diesel generators exhausts will be provided, with sea water discharge placed under waterline and gas exhaust placed above waterline.

Rubbing strakes, integrally built in GRP, will be provided at main deck level and above waterline in way of the stern platform and aft sides

100.2 SUPERSTRUCTURE STRUCTURE

The superstructure will be built, mainly, with a cored sandwich structure on deck and on sides (PVC closed cell foam core) using carbon fiber reinforced polymers (CFRP) and glass reinforced polymers (GRP) with epoxy resin.

Where necessary single skin laminate will be provided.

The manufacturing process will be wet-hand-lay-up lamination with vacuum bag applied to open mold in different building stages, in order to compact the laminate and remove air void. Alternatively, at shipyard discretion, infusion process will be evaluated according to the state of the art technology. Post-curing will be carried out, according to recommendations of resin supplier, in order to guarantee polymerization process completion.

A CFRP rollbar and one CFRP hard top (fwd) with integrated sliding awning (soft top) will be provided.

A mast will be provided above the rollbar.

The mast design will include appropriate supports to meet the antennas plan for the standard navigation and communication equipment listed in this Specification.

Stainless steel pillars will be fitted outside between the main deck and the superstructure, and between the flybridge deck and fwd hard top.

The connection between the superstructure and the main deck will be obtained by means of structural adhesive joint.

200 PROPULSION

200.1 MAIN DIESEL ENGINES

Two turbo charged after cooled four stroke diesel engines suitable for marine propulsion will be installed on the dedicated foundations in the engine room:

MTU16V2000M86, of 1630 kW (2200 BHP) @ 2450 rpm each, with Blue Vision NG Basic electronics.

Exhaust emissions of these engines are in compliance with EPA TIER III and IMO TIER II regulations.

As option, a SCR system will be available. The SCR system and the compliance with IMO TIER III emission limit is needed to use the yacht inside the ECAs zones.

200.2 REDUCTION GEAR BOXES

A reduction gear box ZF 3360 for each engine will be installed.

Reduction ratio determined on relation to the propeller design and propulsion set is 3.519:1. Reduction gear features as per Manufacturer recommendation will be provided.

200.3 SHAFT LINES

The main engine/gearbox/shaft line configuration will be: reduction gear connected directly to engine.

Main engines and reduction gear boxes will be elastically mounted on resilient mounts.

A sea-water lubricated bearing shaft line will be installed for each engine.

A shaft seal, with pneumo stop , will be installed. Shafts will be in Marinox 17.

Each shafting will be arranged with one rubber sea-water lubricated bearing in way of propeller bracket and one rubber sea-water lubricated bearing in way of hull penetration.

200.4 PROPELLERS

Two five-blade propellers designed to obtain high efficiency and low noise will be installed. Propellers will be in nickel-aluminium-bronze.

Each propeller will be statically balanced. Propeller geometry and blade surface finishing will comply to ISO S class.

300 ELECTRIC SYSTEM

300.1 ELECTRIC POWER GENERATORS

300.1.1 MAIN GENERATORS

The generating system will consist of two diesel generators with the following characteristics:

- Manufacturer: Kohler
- Models: 45EFOZDJ
- Rated outputs: 44 kW
- Rated voltage and frequency: 400V AC / 50 Hz
- Number of phases: 3
- RPM: 1500
- Insulation class: H
- Tension regulation: ± 0.5%
- Frequency regulation: 0.5 %
- Starting system: 12 V DC

Each generator will be provided with automatic stop for:

- low oil pressure,
- high water temperature,
- overspeed.

Each diesel generator will be equipped with:

- sound-proof enclosure,
- built-in freshwater circulating and cooling system with heat exchanger,
- oil cooler,
- electronic speed regulators,
- instrument panel mounted outside the soundbox equipped with:
  - start/stop push buttons,
  - Volt, Amp and hour meters.

Diesel generators will be provided with isolated ground.

Exhaust emissions of diesel generators are in compliance with EPA TIER II regulation .

300.1.2 GENERATORS SOUND SHIELDS

Generators will be enclosed in a soundshield, supplied by the generator Manufacturer.

300.1.3 GENERATORS MOUNTING

The generators will be resiliently mounted on the soundshield base plate.

300.2 MAIN VOLTAGE SYSTEM

300.2.1 ELECTRIC POWER SYSTEM, GENERAL

General

Electrical equipment, wiring, fixtures, boards, switches, etc. will be designed, located, installed and tested according to the Classification Society rules, regulations and requirements.

Electrical equipment will be selected and located to ensure adequate protection against damages from water, oil, humidity, vibration and will be arranged in such a way to facilitate access for maintenance.

Distribution

The electrical distribution will be as hereafter described:

Main machinery	400V AC / 50Hz / 3 phases
Lighting and household appliances, stereo, TV sets, and other low power users	230V AC / 24V AC, single phase
Emergency lighting system	24V DC battery system,
Service equipment	24V DC battery system
Radio equipment	24V DC battery system

The AC power will be supplied by two diesel generators or by a shore power system.

Shore supply system

The Yacht may receive shore power supply through one 125 A shore power connector located in the aft area of the yacht.

One 25 m. shore power cable of suitable section will be supplied.

One shore insulating transformer will be installed.

Electric motors

Electric motors will be:

- one phase induction type for low power equipment,
- three phase induction type for high power equipment,
- protection grade (IP) according to rules,
- class F insulation.

Starter devices and panels

Where possible, starters and protections of equipment located in the engine room will be centralised in the main switchboard.

Start-stop push buttons can be positioned on the main switchboard or locally near the users according to the engine room available space.

Cables

Cables with stranded wires suitable for marine use will be used. All supply cables for electronic equipment shall be of the shielded type. Cables will be of the multiple conductors type for all AC circuits and meeting Classification Society requirements. All cables connected to terminal blocks will have 'ferrule end connectors' or other approved means of connection as per the Classification Society requirements. All the wires and terminal strips will be marked with identification code in the switchboard, in junction boxes and at the termination of the wire. Shielded cables will be used for low power equipment liable to be affected by strong magnetic or electrostatic fields. All connection boxes (also in the accommodations) will be made accessible. Penetration of watertight bulkheads will be done with approved sealing systems.

300.2.2 ELECTRICAL PANELS

Main switchboard

The main switchboard will be installed in the engine room.

All front panels will be hinged or removable with quick release locks for easy access.

Ventilation grids will be provided at each side.

On the main switchboard front panel the following equipment will be installed:

- Volt, Ampere, kWatt and Hertz meter for each generator,
- Volt, Ampere, kWatt, Hertz and sequence meter for shore supply,

The main switchboard will contain two main bus-bar interconnectable by a bus-bar connector. If the connector is open, each generator can feed the users of each bus-bar.

The shore transformer can feed both bars or one of them if the bar connector is open. It is also possible to feed one bus-bar with a generator and the other with the shore connection.

All the redundant machinery and equipment will be equally distributed on the two bus-bars.

Distribution panels

Local switchboards will be installed for distribution of electrical power. They will contain automatic circuit breakers for different lines or circuits. A switchboard will be installed in the wheelhouse, with AC and DC circuit breakers for the navigation and electronic users and all external lights.

Local distribution switchboards will be installed in the following areas:

- main saloon,
- guest accommodations,
- crew accommodations,
- Owner’s area,
- wheelhouse,
- technical lockers

300.3 LOW VOLTAGE SYSTEM

300.3.1 BATTERIES , GENERAL

All batteries will be installed in battery boxes as per Classification Society requirements.

All batteries will be GEL or AGM-type according to their application.

300.3.2 RADIO BATTERIES

As option , one group of 24V DC batteries for radio equipment will be provided.

300.3.3 SERVICE BATTERIES

One group of 24V DC batteries for services.

300.3.4 ENGINES BATTERIES

Two groups of 24V DC batteries for main engines starting. Capacity according to engine Manufacturer requirements. Each group will be dedicated to one main engine.

Two groups of 12V DC batteries for diesel generators starting. Capacity according to generators Manufacturer requirements. Each group will be dedicated to one diesel generator.

Two groups of 24 V DC batteries for main engines electronics. Each group will be dedicated to one main engine.

300.3.5 BATTERY CHARGERS

An alternator will be installed on each main engine and generator, in order to charge the related battery set.

The following manual/automatic battery chargers will be installed:

- nr. 1 main engines starter battery set charger,
- nr. 1 diesel generators starter battery set charger,
- nr. 1 service battery set charger,
- nr. 1 emergency battery set charger,
- nr. 1 MMEE electronic battery set charger,

As option , nr.1 radio battery charger will be installed

300.3.6 GROUNDING SYSTEM

Grounding system

A syntherized bronze ground plate will be fitted externally onto the hull bottom.

A copper tape ring of suitable section will be fitted all around the Yacht.

All the machinery, electrical motors, equipment, electric panels will be connected to the electric earth and this one to the ground plate.

A lightning conductor will be fitted at mast top and directly connected to the ground plate by a dedicated wiring.

Cathodic protection

Sea chest, piping and equipment in contact to the sea water will be connected by copper or tape to the zinc anodes fitted onto the transom below the waterline for cathodic protection.

300.4 EMERGENCY ELECTRICAL SYSTEM

300.4.1 EMERGENCY LIGHTING SYSTEM

The emergency lighting system will be installed in accordance with the Classification Society requirements using 24V DC batteries and dedicated battery charger.

Emergency lights will be installed in way of stairs, corridors, wheelhouse, crew mess, any room exit and escapes, according to Lighting Functional Plan. They will switch on automatically in case of failure of the AC system.

Accommodations emergency lights will be normally supplied with 24V AC circuits. An automatic device will be installed to switch from main circuit to 24V DC emergency circuit.

Engine room and main technical spaces will have dedicated emergency light(s).

In the engine room, suitable lamps will be fitted in correspondance of escapes and main switchboard.

300.4.2 EMERGENCY BATTERIES

One group of 24V DC batteries for emergency.

300.4.3 EMERGENCY STOP SYSTEM

Main engines emergency stops will be installed in wheelhouse, engine room, and on flybridge.

One panel will be installed in way of engine room main entrance/exit for:

- Main engines emergency stop,
- Generators emergency stop,

- Fuel transfer pump emergency stop,
- Engine room fans emergency stop,
- Engine room air dampers closure,
- Daily fuel oil tank feeding valve closure.

300.5 NAVIGATION LIGHTS

Navigation lights (single light execution) will be provided. The navigation lights panel will be fed by 24 V DC from service and emergency battery banks. Control of navigation lights in wheelhouse, with audible and visual alarm in case of failure.

300.6 LIGHTING AND PLUGS

300.6.1 LIGHTING SYSTEM

Proper LED lighting will be provided inside and outside the Yacht according to Lighting Functional Plan.

Dimmers will be fitted for ceiling spotlights in Owner's cabin, salon, guest cabins and public areas (lobby and foyer). Dimmer will not be fitted for crew quarters , wheelhouse , galley , laundry and all bathrooms.

Accommodation lighting will be chosen according to Azimut standard.

Low intensity red lights will be installed in wheelhouse for night cruising of the yacht.

Exteriors: overhead ceiling lights and courtesy lights will be installed.

All lighting circuits will be protected by fuses fitted on local switchboards as described in the paragraph above. Dimmer will not be fitted for exterior lights.

300.6.2 ENGINE ROOM AND TECHNICAL SPACES LIGHTS

In the engine room neon lights will be fitted. Technical spaces will be fitted with 24 V DC lights in IP54 housing. Some emergency lights will be incorporated in the existing fixtures.

300.6.3 INDOOR CEILING LIGHTS

Spotlights, chosen according to Azimut standard, will be installed in accommodation ceilings according to Lighting Functional Plan.

300.6.4 OUTDOOR LIGHTS

Ceiling and courtesy lights will be flush mounted.

300.6.5 DECORATIVE LAMPS

Wall lamps, table lamps, reading lamps, chosen according to Azimut standard, will be installed according to Decorative Lamps Functional Plan.

300.6.6 WARDROBE LIGHTING

Internal lighting to be provided inside all wardrobes according to interiors book.

300.6.7 ACCOMMODATION ELECTRICAL FITTINGS

Lighting plugs and switches, chosen according to Azimut standard, to be provided according to interiors book.

Lighting plugs and switches will be chosen according to Azimut standard.

300.6.8 EXTERNAL FLOOD LIGHT

One Jabsco search light will be installed.

400 ELECTRONIC SYSTEM

400.1 NAVIGATION, COMMUNICATION AND SIGNALLING EQUIPMENT

400.1.1 NAV/COMM/SIGN EQUIPMENT

The following controls will be provided in wheelhouse:

- steering actuator wheel,
- bow thruster control lever and running indicator,
- main engines throttles,
- MMEE key, start/stop buttons and alarm signal,
- emergency stop for main engines,
- stabilizer fins control panel,
- monitoring system.

The following controls will be provided on flybridge:

- steering actuator wheel,
- bow thruster control lever and running indicator,
- main engines throttles,
- MMEE key, start/stop buttons and alarm signal,
- emergency stop for main engines,

The following equipment will be installed:

NAVIGATION SYSTEM

Navigation equipment as per "Standard Nav-com system" document.

The starting hull for which the "Standard Nav-com system" document is defined may differ from the hull defined in the first page of this Techinical Specification.

400.1.2 LOG

One speed-log system will be provided. Included in navigation system.

400.1.3 ECHOSOUNDER

One echosounder will be provided. Included in navigation system.

400.1.4 HORN

A pneumatic horn with dedicated compressor will be installed.

400.1.5 INTERCOM SYSTEM

As option, one internal communication system will be fitted in:

- wheelhouse,
- engine room,
- emergency steering location.
- aft cockpit
- fore mooring station

400.1.6 PHONE SYSTEM

A PABX system for 9 phones (unit and phones available as option) will be provided. Sockets are placed in the following areas:

- wheelhouse,
- salon,
- galley,
- master cabin,
- VIP cabins,
- guest cabins,
- crew mess.

400.2 MONITORING AND AUTOMATION SYSTEM

400.2.1 MONITORING SYSTEM

An integrated Yacht monitoring system will be provided. The 13" touchscreen panel allows to control and monitor the following systems:

- 400Vac – 24Vdc system:
  - navigation lights control
  - window wipers control,
  - engine room fans control
  - steering control

- Navigation:
  - horn command.
- Tanks:
  - fuel transfer pump control,
  - daily tank level,
  - structural fuel tanks level,
  - fresh water tank level ,
  - sewage/greywater tank level and pump control.

- Bilge system:
  - bilge pump display and controls,
  - main bilge pump control.
- 400 Vac sources:
  - independent on/off switch and overload alarm for generator 1,
  - independent on/off switch and overload alarm for generator 2,
  - on/off switch for the shore power connection,
  - gauges (tension, Amp, kW and frequency) for diesel generators.
  - gauges (tension, Amp, kW and frequency) for shore power
  - bars insulation alarm and on/off switch,
  - bars overload alarm.
- 24Vdc sources:
  - gauges (tension, Amp, charging and discharging Amp) for service batteries,
  - gauges (tension, Amp, charging and discharging Amp) for Radio batteries,
  - gauge (tension) for main engines batteries.
- safety systems:
  - fire alarm panel with smoke detectors placed as follows :
    - saloon/dining area,
    - galley,
    - wheelhouse,
    - technical area under wheelhouse,
    - main foyer,
    - lower deck lobby,
    - crew area,
    - engine room,
    - aft technical area.
  - visual alarm for activated engine room fire fighting system.

400.2.2 FIRE ALARM SYSTEM

A fire alarm system will be installed, with heat or smoke detectors fitted throughout the Yacht.

These sensors will actuate an audible and visible alarm in wheelhouse.

400.3 ENTERTAINMENT EQUIPMENT

Entertainment equipment as per "Standard Entertainment system" document.

The starting hull for which the "Standard Entertainment system" document is defined may differ from the hull defined in the first page of this Techinical Specification.

500 AUXILIARY SYSTEMS

500.1 ACCOMMODATION AIR CONDITIONING AND VENTILATION

500.1.1 AIR CONDITIONING SYSTEM GENERAL

The air conditioning system in the accommodation spaces will be designed according to the following reference conditions:

Summer	Outside air	35 °C 95 °F	R.H. 80%
	Inside air	22 °C 72 °F	R.H. 50%
	Sea water temperature	32 °C 90 °F	
Winter	Outside air	0 °C 32 °F	
	Inside air	22 °C 72 °F	
	Sea water temperature	10 °C 50 °F	

Fan coil units will be installed in interior living areas. Air handling units will supply fresh air to living areas.

500.1.2 FAN COILS

Accommodation will be provided with local fan coil units equipped with thermostat, variable-speed fan, heat exchanger, dust filter and drip-tray.

500.1.3 MAIN CHILLER UNIT

A main chiller unit, serving the fan coils and the air treatment units, will be installed in the engine room.

The chiller unit will provide cold water in summer and heated water in winter, working in reverse-cycle.

The total installed chilled water cooling capacity will be defined so as to meet design conditions.

The chilled water unit shall consist of modular elements including:

- hermetic compressors,
- condensers,
- frequency inverters.

500.1.4 AIR CONDITIONING SEA WATER PUMPS

Two sea water pumps will be provided for the chiller unit.

500.1.5 AIR CONDITIONING FRESH WATER PUMPS

Two fresh water pumps will allow chiller water circulation.

500.1.6 AIR HANDLING UNITS

An appropriate number of units for the primary treatment of the external fresh air will be installed onboard. They will be equipped with filter, heat exchanger and fan.

500.1.7 FANS AND EXTRACTORS

An extraction system will be installed to serve:

- bathrooms.
- laundry,
- service and emergency battery boxes,
- bilge,
- galley hood,
- garage,

A fan, positioned under the internal consolle, will be installed to defrost windscreen windows.

In general technical rooms, technical lockers and storages will be naturally ventilated.

500.1.8 AIR CONDITIONING PIPING

Pipes for air conditioning chilled/heated water will be made in copper in engine room and in multilayer outside engine room.

500.1.9 AIR CONDITIONING DUCTS

Air conditioning delivery ducts will be in pre-insulated galvanized steel or insulated PVC.

500.2 ENGINE ROOM AND TECHNICAL SPACES VENTILATION SYSTEM

500.2.1 ENGINE ROOM FANS

One axial flow fan will be installed for air intake on portside.

One axial flow fan will be installed on starboard side, working as exhaust fan at low yacht speeds and as intake fan at high yacht speeds.

The fans will be controlled by inverter, with adjustable speed. A local control panel will be provided in the engine room. Fans status can be checked on the monitoring system located in wheelhouse.

500.2.2 ENGINE ROOM FIRE DAMPERS

Two fire dampers will be fitted to close the engine room ventilation trunks.

500.2.3 ENGINE ROOM FANS SILENCERS

Silencers will be installed in the engine room air intake trunks to reduce the noise generated by the air flow.

500.2.4 WATER MIST SEPARATORS FOR ENGINE ROOM

Water mist separators will be installed in way of the engine room ventilation air grids.

500.3 STABILIZERS

As option, nr. 2 electrical stabilizer fins working underway and at anchor will be installed. The fins will be provided with an electrical motor having 5 kW input nominal power supplied by generators.

Fin area will be 1.5 m^2. Control panel will be installed in the wheelhouse. Installation will be done strictly according to Manufacturer instruction.

Voltage will be 400 Vac, 3 phases, 50Hz, duty cycle S1.

500.4 SIDE PROPULSION

500.4.1 BOW THRUSTER TUNNEL

A GRP tunnel will be connected to the hull by an adequate number of GRP layers.

500.4.2 BOW THRUSTER

An hydraulic bow thruster (on-off , single propeller) will be installed .

Proportional bow thruster can be quoted as option.

The propeller thrust will be 550 kgf. As option grids on bow thruster tunnel will be provided , with a thrust reduction of about 30%.

Control joysticks will be installed on wheelhouse console and on flybridge.

500.5 BILGE AND FIRE SYSTEMS

500.5.1 FIRE PUMP

Nr. 1 electric self priming pump will be installed in the engine room for sea water fire extinguishing system. The pump will be connected with the bilge pump.

500.5.2 BILGE PUMPS

Nr. 1 electric self priming pump will be installed in the engine room for main bilge system. The pump will be connected with the fire pump.

Nr. 1 dedicated electric pump will be installed for the garage bilge system.

500.5.3 MOTORPUMP

As option , Nr. 1 motorpump can be installed for bilge and fire systems.

500.5.4 BILGE AND FIRE PIPING

Each watertight compartment will have a separate bilge suction, with electric valve, connected through a bilge manifold to the electric pump.

Bilge lines will be in stainless steel AISI 316 on suction side and in CuNi 90-10 on delivery side.

Vacuum and pressure gauge sets will be arranged in a support as close as possible to the main bilge pump and fire pump.

The garage will be protected by a water jet nozzles' system connected to the fire main by a manually operated valve.

Fire hydrant valves, with fire hoses and nozzles, will be fitted in the following positions:

- nr. 3 on main deck,
- nr. 1 on flybridge.

The hawse pipes will be connected to the fire manifold for sea water chain washing.

Fire lines will be in CuNi 90-10 of the pressfitting type.

500.5.5 ENGINE ROOM FIRE EXTINGUISHING SYSTEM

A FM 200 fixed fire extinguishing system will be installed for engine room, with adequate nozzles and a release handle fitted on the emergency control panel situated near the acces to the engine room/garage area.

500.6 FUEL OIL SYSTEM

500.6.1 FUEL OIL TRANSFER PUMP

The transfer system shall allow to transfer fuel oil from each tank to each other, by means of nr. 1 electric transfer pump and nr. 1 manual pump.

Electric pump controls on the main electrical panel and in wheelhouse on the monitoring panel.

500.6.2 FUEL OIL FILTERS

Water separator filters will be installed for main engines (double) and diesel generators (single).

500.6.3 FUEL OIL PIPING

Nr. 1 structural GRP daily fuel oil tank and nr. 2 structural GRP storage fuel oil tanks will be fitted in the hull bottom as per capacity plan.

A carbon steel manifold will be provided in the engine room to transfer the fuel from each tank to each other.

Emergency cut-off quick closing valve with remote control outside engine room will be provided for the daily tank.

Filling stations will be located on main deck sides, one port and one starboard, and will be able to delivery the fuel to storage tanks by gravity. Transfer pump will allow refuelling of the daily tank.

Pipes will be made of carbon steel. Connections to main engines and generating sets will be done with flexible pipes with oil resistant synthetic rubber.

500.7 SANITARY EQUIPMENT

500.7.1 SANITARY SYSTEM

Collecting tanks with their own transfer pump where necessary will be installed in the lower deck for the greywater coming from various users (sinks, showers, bath tubes, fan coils drain). If feasible, direct discharge into structural sewage/greywater tank will be provided.

Ceramic floor mounted WCs will be installed for crew and guest areas. They will have incorporated pumps to transfer black waters to sewage tank.

500.7.2 SEWAGE/GREYWATER PUMP

A structural GRP sewage/greywater tank will be fitted in the hull bottom as per capacity plan.

Nr. 2 electric sewage/greywater pump, one spare to the other, will be provided for overboard discharge, when allowed by international conventions and rules.

In case of failure of one pump, the other one can be used in emergency to discharge the tank, after having suitably operated section valves.

500.7.3 SMELL SYSTEM

An ozone system will be installed to eliminate bad smell from black/greywater tank air vent.

500.7.4 SANITARY PIPING

Piping will be made in high density PVC outside the engine room and in stainless steel inside the engine room.

The sewage/greywater tank can also be discharged ashore via an international flange deck connection.

500.8 FRESH WATER SYSTEM

500.8.1 FRESH WATER PUMPS

Nr. 2 electrical pumps will be installed.

500.8.2 HOT WATER PUMPS

Nr. 2 hot water circulating pumps, one in service and one in standby, will keep constant temperature in hot water ring lines.

500.8.3 WATERMAKER

Nr. 1 reverse osmosis watermaker (Idromar MC3J) will be fitted.

Nominal capacity 180 liters of water per hour at 25° C sea water temperature.

500.8.4 WATER HEATERS

Nr. 2 electric hot water stainless steel heaters with total capacity of 200 litres (53usg) will be fitted. Resistance 3+3 kW for each heater.

500.8.5 FRESH WATER STERILISER, FILTERS

An active carbon filter will be installed between fresh water pumps and the users.

500.8.6 FRESH WATER PIPING

Nr. 1 GRP structural fresh water tank will be fitted in the hull bottom according to capacity plan. A deck connection to shore waterline will be provided, in order to feed the system directly from the marina via an overpressure control valve or to fill, by gravity, the fresh water tank.

Cold and hot water lines will be installed to feed the various users.

Hot water will be distributed onboard via a ring. Hot water pipes will be insulated.

The watermaker production will be delivered directly into the tank.

Hand held shower with hot and cold water will be provided for the beach area.

The following wash down connections, integrated into the fresh water system, will be provided:

- nr. 1 on main deck aft,
- nr. 1 on mooring forward area,
- nr. 1 on flybridge,
- nr. 1 in garage.
- Nr. 2 at midship (one on each side)

Water supply will be provided to the wheelhouse window wipers.

Piping in engine room will be in pressfitting AISI 316L stainless steel, outside engine room will be in multilayer.

500.9 HYDRAULIC SYSTEMS

500.9.1 HYDRAULIC POWER UNIT

Nr. 1 e/hydraulic power pack will be fitted in aft technical space to operate the gangway, the stern bathing platform door, the starboard fiberglass garage door, and the launching system for tender : as option , a launching system for pwc can be provided. Manual operation in case of emergency will be possible.

The garage and stern doors will be locked using stainless steel pins. Microswitches will allow monitoring of doors status (open/closed).

500.9.2 STEERING SYSTEM

The steering system will consist of the following components:

- n° 1 electrical actuator in the wheelhouse,
- n° 1 electrical actuator in the external console, placed on flybridge,
- n° 1 hydraulic power pack (fitted in the aft technical room on portside) , with two 24V pumps

500.9.3 HYDRAULIC SYSTEMS PIPING

Flexible pipes for high pressure hydraulic systems will be used.

500.10 SEA WATER COOLING EQUIPMENT

500.10.1 SEA WATER COOLING PUMPS

Main engines and generators will have their own driven sea water pump.

Nr. 2 sea water pumps, one spare to the other, will be installed for air conditioning chiller unit. The same pumps will feed the cooling system for electric motors refrigeration of fins stabilizing system.

500.10.2 SEA WATER PIPING

Nr. 2 main sea chests, connected by manifold, will be installed in engine room for the following equipments: main engines , generators, fire pump , watermaker , air conditioning system , optional equipment.

As option, Nr. 1 separate sea chest can be installed for the motorpump.

Sea water piping will be in CuNi 90-10.

500.11 AIR VENTS, LEVEL SWITCHES AND SOUNDING EQUIPMENT

500.11.1 AIR VENT LINES

All bottom tanks will be provided with proper air vent lines.

Fuel tanks vents will be connected to a single line, going to hull side with goose-neck over main deck level

Material will be stainless steel AISI 304.

Fresh water tank vent will lead to hull side open end. Material will be PVC/AISI 316.

Sewage/greywater tank vent will lead to hull side open end. Material will be CuNi 90-10.

500.11.2 LEVEL SWITCHES

Level switches will be installed in the bilges of each compartment near bilge suction, connected to alarms in the monitoring system.

A level switch will be provided for the garage scuppers tank to control the relevant pump.

500.11.3 LEVEL GAUGES

Remote gauges with high and low (only for water and fuel oil) level alarm will be provided for structural tanks (fuel oil, fresh water, sewage/greywater). The level value will be displayed in the monitoring system and main electrical panel.

500.12 GAS EXHAUST SYSTEMS

500.12.1 MAIN ENGINES EXHAUSTS

Gas exhaust duct of each main engine will lead underwater and to by-pass discharges at low RPMs.

Stainless steel flexible bellows will be installed on the engines, in way of turbochargers exhausts. Silicone double bellows will be provided on the connections to the hull side.

The main exhaust is located below the water line, the by-pass exhuast is located above the water line.

Ducts will be in stainless steel AISI 304 for the dry part, in AISI 316L stainless steel for the wet part.

The system will be designed to guarantee a back-pressure level compliant with engine Manufacturer's requirements.

500.12.3 GENERATORS EXHAUSTS

Each diesel generator exhaust system will have a GRP muffler and a GRP gas/water separator.

Exhaust piping in rubber.

Exhaust gas from separator will be discharged through an outlet located above the waterline and the sea cooling water through an outlet below the waterline.

500.13 DRAINAGE SYSTEM

500.13.1 SCUPPERS BOXES

Collecting wells in FRP will be installed to guarantee proper water drainage and discharge from the exposed decks.

500.13.1 SCUPPERS

A scuppers and drainage system will be provided to discharge outboard waters collected on exposed decks.

Pipes inside the engine room will be in CuNi 90-10.

Pipes outside the engine room will be in PVC and in CuNi 90-10 (the latter will be used only up to 1.2 m above water level).

500.14 VARIOUS AUXILIARY EQUIPMENT

500.14.1 RESILIENT MOUNTINGS

Main engines exhaust pipes and rotating machinery, with the exception of windlasses and capstans, will be installed on resilient mountings. Mountings will be selected according to the weight and the characteristics of the machinery, to reduce vibrations transmission to the structure.

500.14.2 FLEXIBLE CONNECTIONS

Flexible couplings will be used to connect piping to rotating and vibrating mechanical equipment. Oil resistant material will be used on fuel and oil systems.

500.14.3 PIPE CLAMPS

All piping will be installed using appropriate clamps bonded to the Yacht structure.

Hydraulic oil piping will be supported by plastic saddle clamps with rubber inserts.

Chilled-water pipes will be connected to the Yacht structure with pre-insulated clamps.

600 OUTFITTING

600.1 EXTERNAL DECKS OUTFITTING

600.1.1 DECK LINING

External decks, excluding flybridge, will be planked with teak according to Azimut standard, thickness will be 12 mm.

Bathing platform and transom door will be planked with teak according to Azimut standard, thickness will be 12 mm.

External stairs will be planked with teak according to Azimut standard, thickness will be 12 mm.

Deck planking will be selected for uniform colour and straight grain.

Flybridge deck will be in CFRP with antiskid treatment, matt finishing.

600.1.2 EXTERNAL CEILINGS

External ceilings painted to match the superstructure color, matt finishing.

Ceilings will integrate recesses for lights.

600.1.3 EXTERNAL FURNITURE OUTFITTING

Lockers will have stainless steel fittings according to Azimut standard.

600.1.4 EXTERNAL LOOSE FURNITURE

Loose chairs, armchairs, tables, stools, sofas, etc. will be supplied and installed by Azimut according to the Loose Furniture Functional Plan.

External loose furniture will be provided, according to Azimut selection. Deviation from standard equipment will be quoted accordingly.

600.2 FAIRING AND PAINTING

600.2.1 HULL TOPSIDE PAINTING

Hull topsides will be finished in gelcoat (Ashland Maxguard SX11235 AA6).

One boot stripe will be painted above the water line, black colour.

600.2.2 UNDERWATER HULL PAINT

Hull bottom will be treated with anti-osmosis cycle and antifouling paint, colour black.

600.2.3 SUPERSTRUCTURE PAINT

The superstructure will be finished in gelcoat(Ashland Maxguard SX11235 AA6).

600.2.4 TECHNICAL SPACES

Internal surfaces of lockers, storages and FRP furniture, will be finished in white colour.

600.2.5 INTERNAL PAINT

Bilges

Bilges will be finished in grey colour.

Tanks tops

Tanks tops will be finished in grey colour.

Fittings

Nuts and bolts, gaskets, inox parts, copper stripes and piping insulation will not be painted.

Bulkheads and sides

All internal visible surfaces will be finished in water-base paint or gelcoat.

600.2.6 PIPING PAINT

Inside and outside engine room, all metallic pipes of the welded type (with exclusion of inox pipes) will be RAL 9003 painted .

PVC, polypropilene multilayer , flexible and pressfitting pipes will not be painted.

600.2.7 STRUCTURAL TANKS CLADDING

Structural GRP tanks will be cladded according to following details:

- Fuel oil tanks:

- Internal coating with nr. 2 MAT 300 layers, and vinyl-ester gelcoat.
- External coating with Interior Prime 860 e Interior Finish 750 painting cycle.

- Fresh water tank:
  - Internal coating with nr. 2 MAT 300 layers and gelcoat finishing based on isophthalic/neopenthylglycol polyester resin.
- Sewage/grey water tanks:
  - Internal coating with nr. 2 MAT 300 layers, and vinyl-ester gelcoat.

600.3 INSULATION

600.3.1 INSULATION GENERAL

Insulation will be carried out according to insulation plans and details developed by Azimut for this category of Yachts.

Ceiling, sides and bulkheads in engine room will be treated with thermal and sound proofing materials.

600.3.2 EXHAUST GAS PIPES INSULATION

Gas exhaust pipes of the main engines will be insulated with a rigid material. A maximum temperature of 65 °C will be reached in the exposed surfaces. Connections will have textile insulation.

600.3.3 PIPING INSULATION

Hot water pipes will be insulated.

Chilled water pipes will be insulated inside and outside engine room. Maximum care will be taken to ensure the insulation continuity in order to avoid any condensation.

600.3.4 AIR CONDITIONING DUCTS INSULATION

Air conditioning supply ducts will be insulated with proper material in order to reduce heat/cold loss and avoid condensation when is necessary.

600.3.5 MOUNTING OF FLOORS, BULKHEADS, CEILINGS AND PARTITIONS

The floor of lower deck is built with lightened panels and it is elastically assembled on the support structure which is realised with aluminium section bars, bonded to the hull bottom structures.

Hatches and removable sections will be made where required.

Partition panels of ceilings will be installed with rigid connection.

600.4 NAUTICAL AND DECK EQUIPMENT

600.4.1 WINDLASSES

Two electric windlasses of the vertical type will be installed. The windlasses will be placed at the bow of the Yacht, on a recessed stainless steel plate of the main deck floor, under an appropriate cover and locally controlled.

Electric power will be 400 Vac, 3 phases, 50Hz, 4 kW.

600.4.2 CAPSTANS

Two electric foot-operated vertical capstans will be fitted on aft deck. The capstans will be raised from deck level on a dedicated manoeuvring area each side and locally controlled.

Electric power will be 400 Vac, 3 phases, 50Hz, 2.2 kW.

600.4.3 MOORING BOLLARDS

The following polished AISI 316L stainless steel bollards, sized according to Azimut standard, will be installed:

- nr. 2 on the aft main deck,
- nr. 2 on the forward main deck,

600.4.4 ROLLER FAIRLEADS

The following polished AISI 316L stainless roller fairleads, sized according to Azimut standard, will be installed:

- nr. 4 on the forward main deck,
- nr. 2 on the aft main deck.

600.4.5 ANCHORS

The Yacht will be equipped with nr. 2 galvanised steel HHP (high holding power) anchors of 140 kg each, according to rules.

The anchoring equipment specified in this document is intended for temporary mooring of a Yacht within or near a harbour, or in a sheltered area.

The equipment is therefore not designed to hold the Yacht off fully exposed coasts in rough weather or to stop the Yacht which is moving or drifting. In such conditions the loads on the anchoring equipment increase to such a degree that its components may be damaged or lost owing to the high energy forces generated.

The anchoring equipment specified in this document is deemed suitable to hold the Yacht in good holding ground where the conditions are such as to avoid dragging of the anchor. In poor holding ground the holding power of the anchors will be significantly reduced.

It is assumed that under normal circumstances the Yacht will use one anchor only.

600.4.6 MOORING LINES

Nr. 3 mooring lines, each one 70 m, black colour, diam. 30 mm, 3 strands, polyester, eye-splice leather coated at one end, as per rules, will be supplied

600.4.7 CHAIN ROLLERS

A stainless steel chain roller sheave will be fitted in order to prevent excessive friction at the upper end of the hawse pipes.

Size and type will be chosen from Azimut standard.

600.4.8 CHAIN STOPPERS

A stainless steel stopper will be installed to hold in position the anchor against the anchor pocket.

Size and type will be chosen from Azimut standard.

600.4.9 CHAIN QUICK RELEASE

Anchor chains will be connected to the hull by a quick release device, to allow safe release when in emergency conditions.

600.4.10 ANCHOR CHAINS

The Yacht will be equipped with nr. 2 studless chains made in galvanised steel of 14 mm diameter link, length of each chain 135 m.

600.4.11 FLAG POLE

A stainless steel flag pole on stern will be provided.

600.4.12 JACK STAFF

A stainless steel jack staff, integrated in bulwark handrail, will be installed on main deck bow.

600.4.13 BOAT HOOKS

Two boat hooks will be supplied.

600.4.14 PROTECTIVE FABRIC COVERS

Covers for flybridge: tables, sofas, bar, stools, and sunbathing cushions.

Covers for main deck aft and forward cockpit: table, sofas, whirlpool and sunbathing cushions.

All covers will be supplied in white "textile".

Black-mesh covers for wheelhouse windows will be supplied.

600.4.15 RUDDERS

Two spade rudders (0,54 sqm) will be provided, made AISI 316L, sized to ensure good evolution capabilities at low speed .

Rudder stocks will be made made in Marinox 17, sized according to Classification Society requirements.

A rudder skeg will be provided above the blade with a minimum clearance.

Rudder tubes of suitable diameter will be fixed by bolts to the hull bottom with flange recessed in a dedicated housing and counterflange.

Rudder bushes will be provided for the rudder stocks.

600.5 WINDOWS, DOORS AND HATCHES

600.5.1 WINDOWS

Size and positions of the windows are shown on the General Arrangement.

The glass sizing will be according to Classification Society requirements.

No window can be opened.

All windows will be bonded to the FRP frame of the hull and superstructure.

Each glass will be provided with a black band around its contour in order to prevent the UV degradation of the bonding.

Windows colour will be Grey Europe: wheelhouse front will be clear.

600.5.2 WINDOW WIPERS

Electric window wipers will be fitted for front wheelhouse windows.

Freshwater jet-spray for each wiper will be fitted.

600.5.3 WATERTIGHT DOORS

Hinged watertight doors will be provided for the engine room and the garage. They will be manually operated.

600.5.4 WEATHERTIGHT SIDE DOORS

Three doors will be installed on the main deck superstructure as follows:

- at portside for side acces to the engine room/garage area,
- at portside for side access to the galley,
- at starboard side for side access to the main foyer.

All doors will be manually operated.

600.5.5 EXTERNAL AFT SLIDING DOOR

One sliding door with stainless steel AISI 316L frame and glass will be installed in way of the aft main deck saloon access. The glass colour will be Grey Europe. The door will be manually operated and an electrical version will be available as an option.

The door will be weathertight according to the Classification Society requirements and may be secured in open position.

600.5.6 EXTERNAL HATCHES

One sliding hatch with stainless steel AISI 316L frame and glass will be provided on flybridge to wheelhouse access. The glass colour will be Grey Europe. The hatch will be manually operated and will be weathertight according to the Classification Society requirements and may be secured in open position.

Watertight hatches for access to forward locker, chain locker, and escapes according to regulations will be provided.

600.5.7 INTERNAL HATCHES

Hatches will be used as secondary escape from compartments. They will be fitted at deck and at bulwark according to regulations and they will be watertight or weathertight according to the position.

600.5.8 HULL DOORS

The stern door will be hydraulically operated and, in open position, will create a bathing platform. Two folding cleats will be provided on the edge of the door for tender and pwc mooring.

The starboard garage door will be hydraulically operated for launching tender. As option , pwc launching system can be provided.

600.6 STAIRS, LADDERS, GANGWAYS, TECHNICAL FLOORS

600.6.1 INTERNAL STAIRS

Internal stairs in the guest areas will have a structure properly covered as per Interiors Book. The stairs leading to the crew area and engine room/garage area will have a GRP structure and will be properly covered as per Interiors Book.

Aluminium alloy or stainless steel ladders will be provided for access to chain locker and forward locker and for escape in engine room.

Ladders will be provided for escape in accommodation, where necessary.

600.6.2 GANGWAY

A telescopic retractable stern gangway will be provided. It will be hydraulically operated and connected to the power pack unit, used also for other equipments.

The gangway will be in polished stailess steel frame and teak grating.

Removable handrails will be provided at both sides and made in polished stainless steel.

The control panel will be located near the gangway.

Nr. 1 radio-operated remote control system for extension and retraction of the gangway from the quay will be supplied.

600.6.3 SWIMMING LADDER

Nr. 1 manual swimming ladder in AISI 316 stainless steel, with teak steps, will be provided on side of the bathing platform.

600.6.4 ENGINE ROOM AND TECHNICAL AREAS FLOORING

Aluminium knocked plate floor will be installed in engine room and technical areas.

This will be of the lean-on type. Neoprene gaskets will be mounted between the plating and the supporting angle bars.

Removable sections will be made in way of valves, filters, etc. where quick manoeuvring or access is required.

600.7 HANDRAILS, PILLARS, SUN AND WIND PROTECTIONS

600.7.1 EXTERNAL HANDRAILS

AISI316L polished stainless steel handrails, round-shaped, as shown on the profile, according to Azimut standards, will be provided for:

- main deck bulwark,
- flybridge bulwark,
- fore main deck area,
- around deck opening for aft stairs to flybridge,
- two gates will be fitted aft, at main deck level, on the stairs leading to the bathing platform,

600.7.2 ENGINE ROOM HANDRAILS

Around main engines and pathways handrails made of AISI304 polished stainless steel tube will be fitted.

600.7.3 SOFT TOP

One motorized awning will be fitted on the flybridge, inside the CFRP hard top, to cover the living area.

600.7.4 WINDSCREEN

A windscreen made of stainless steel frame provided with plexiglass screen will be installed on the forward part of the flybridge. The plexiglass colour will be Grey Europe.

600.8 HANDLING SYSTEMS

600.8.1 TENDER HANDLING SYSTEM

Handling system for tender will be installed. The system will include electro-hydraulic winch and stainless steel sleigh with rollers.

The max. allowable dimensions/size of the tender are:

TENDER MAIN DIMENSIONS / SIZE	
max. length	5050 mm
max. beam	2050 mm
max. height	1200 mm
max. weight	1000 kg

NOTES:

1. The above characteristics are standard; the dimensions of tender chosen by the Client must be verified by Azimut technical department.
2. Tender and accessories are not included in standard equipment.

As option , handling system for pwc can be installed. The system will include electro-hydraulic winch and stainless steel sleigh with rollers.

The max. allowable dimensions/size of the pwc are:

PWC MAIN DIMENSIONS / SIZE	
max. length	3120 mm
max. beam	1180 mm
max. height	1050 mm
max. weight	450 kg

NOTES:

1. The above characteristics are standard; the dimensions of pwc chosen by the Client must be verified by Azimut technical department.
2. Pwc and accessories are not included in standard equipment.

600.8.2 EXTERNAL RAILS

External rails will be provided on both superstructure sides, in way of the external windows at side, to allow crew to clean them.

Tracks will be in anodized aluminium and will be equipped with sliderod cars with pivoting shackle top. One slinging for crew use will be provided.

600.9 VARIOUS OUTFITTINGS

600.9.1 CATHODIC PROTECTION

Sea chests, piping and equipment in contact with sea water will be connected by copper wire or tape to zinc anods fitted into the transom below the waterline level for cathodic protection.

A copper type ring of suitable section will be fitted all around the Yacht.

All the machinery, electrical motors, equipment, boards will be connected to the above copper tape.

A lightning conductor will be fitted at mast top and directly connected to the ground plate by a dedicated wiring.

600.9.2 ZINC ANODES

Zinc anodes will be installed to protect piping and metallic equipment from galvanic corrosion.

600.9.3 DRIP TRAYS

Drip trays will be fitted under fancoils, diesel generators , pumps , air treatment units, watermaker, chillers. They will be built in aluminium alloy and will be white RAL 9003 painted.

600.9.4 GUARDS

A teak grating will be fitted to cover the gap between the stern door, when in open position, and the bottom of the beach area.

600.9.5 CHAIN LOCKERS

Two chain lockers of volume suitable to contain the chains will be provided forward the collision bulkhead. A grating shall be fitted on the bottom of the chain lockers, material AISI 316L stainless steel.

600.9.6 BATTERY BOXES

Batteries will be installed in boxes.

600.9.7 NAVIGATION LIGHTS HOUSING

Stern and side navigation lights will be installed in proper housings integrated in the superstructure.

600.9.8 ANTENNAS SUPPORTS

Navigation and communication system antennas will be installed on hard top.

600.9.9 SUPPORTS FOR LIFERAFTS

Supports with cradles will be installed on flybridge.

600.9.10 YACHT NAME

The transom name "Azimut" , with Azimut font type, will be made in vinyl material letters,adhesive type, without back lighting.

A different name will be provided as option. In that case, the font type will be decided by the Owner and it will be supplied to Azimut during the design stage. Azimut, if requested, can submit proposals to the Owner.

On both sides of the Yacht superstructure the Azimut 32 METRI logo will be made in stainless steel.

600.9.11 PIPING SYSTEMS LABELS

Main valves, filters, pumps, electrical components controls, will be clearly identified in the English language by suitable engraved thermoplastic plates.

Operating positions of valves and switches will be marked.

Arrow direction will indicate flow direction and arrow colour will indicate the type of fluid circulating inside the piping system. The Azimut standard colour code will be used.

600.9.12 FENDERS

Eight white fenders type F7, with polyester lines length 4 m, black colour, diam. 14 mm, will be supplied.

600.9.13 VENTILATION GRIDS

GRP ventilation grids will be installed for:

- engine room,
- main galley,
- air treatment unit,
- garage,
- batteries boxes above main deck.

Grids will be according to Azimut standard.

600.9.14 SEA CHESTS GRIDS

Stainless steel grids will be bolted to the hull to protect sea water inlets from risk of obstruction.

600.9.15 SCUPPERS GRIDS

Stainless steel grids will be provided for scuppers on external decks.

600.9.16 HULL AND SUPERSTRUCTURE RECESSES

Recesses will be created in the structure to fit: grids, fire hydrants, bunkering and shore discharge connections, lights, deck washdown connections, stern and side doors, and gangway.

600.9.17 FIXED BALLAST

Fixed ballast may be used to adjust list and trim and in order to comply with stability criteria if necessary. Ballast will be made with lead pellets fitted in enclosed spaces.

600.9.18 ELECTRICALLY DRIVEN BATTERY POWERED LOOSE EQUIPMENT

Usually this kind of equipment is composed by relatively small devices like electrically powered water toys for diving , scooters, surfboards up to battery powered large tender boats. Such equipment is not part of the standard configuration of the yacht. Azimut Shipyard has to be previously informed by the Owner about the possibility that lithium battery equipment could be stored and , even more, charged on board. In order to integrate such supplies safely into the yacht, modifications to the standard yacht configuration would be applied in accordance with RINA Rules for Classification of Pleasure Yachts.

600.10 FIRE & SAFETY APPLIANCES

600.10.1 FIRE EXTINGUISHERS

Portable CO_2/foam/powder fire extinguishers, stored in suitable places, will be provided as per fire and safety plan. Type and number will be according to Classification Society requirements.

600.10.2 FIRE NOZZLES

Sea water nozzles, feeded from fire main, will be installed in garage, as fire fighting devices.

600.10.3 FIRE HOSES

Fire hoses will be supplied according to rules.

600.10.4 FIREMAN AXE

One fireman axe will be supplied.

600.10.5 LIFE RAFTS

Two life rafts for ten people each will be installed on flybridge.

600.10.6 LIFE BUOYS

The following life buoys will be supplied:

- nr. 2, with buoyant line, on flybridge,

600.10.7 PARACHUTE FLARES

Parachute flares (6 pieces) and smoke signals (6 pieces) will be supplied.

600.10.8 LIFE JACKETS

Nr. 16 life jackets will be supplied.

700 INTERIORS

700.1 INTERIORS GENERAL

700.1.1 DESIGN

The furniture will be shown on plan and in elevation on Interiors Book: all drawings from this document are valid for the interior style only and are to be used as reference for the general looking.

The Interiors Book will be prepared after signature of the contract and will be in line with the selected Interiors Style and with the General Arrangement.

The accommodation lay-out will be according to the General Arrangement, which will be part of the building specification.

All decorative material, loose furniture, fittings, accessories, hardware etc. will be chosen according to the proper Interiors Style. Deviation from standard equipment will be quoted accordingly.

Appliances, TV & stereo equipment, air conditioning and ventilation equipment, light fittings, alarm and fire detection sensors, electrical panels, fixtures and fittings will be integrated with the chosen style.

700.1.2 ACCOMMODATION PARTITIONS

Non structural partitions will be made of double skin walls lightweight material.

Hatches, traps and removable sections will be made where required. Hatches will be fitted with proper lifting devices.

GUEST & OWNER:

- LOWER DECK: Port Vip Cabin, Port Vip Bath, Port Twin Cabin, Port Twin Bath, Stbd Vip Cabin, Stbd Vip Bath, Stbd Twin Cabin, Stbd Twin Bath, Lobby, Beach Area.
- MAIN DECK: Main Saloon, Main Foyer, Powder Room, Owner's Cabin, Owner's Bathroom.

CREW:

- LOWER DECK: Crew mess, Port Crew Cabin , Port Crew bath, Captain's Cabin, Captain's bath, Starboard Crew Cabin, Starboard Crew Bath, Crew Corridor.
- MAIN DECK: Pantry, Galley, Laundry, Crew Corridor.

700.2 CREW INTERIORS

700.2.1 CREW INTERIOR LININGS AND FURNITURE

The lining materials will be chosen according to Interiors Style. The finish will be matt. Lacquered wood will be as per reference RAL9010, matt finishing.

Hull sides, superstructure sides and bulkheads will be lined with GRP or glued marine plywood panels, stiffened where required and with removable sections where necessary to access technical equipment or accessories (valves, electrical junction boxes etc.).

The Crew Quarters (Corridor and Cabins) will be lined in laminated material. All the Crew Quarters furniture will be in laminated material and/or lacquered wood.

Crew Bathrooms, Crew Mess and Laundry will be lined in laminated material/lacquered wood.

Ceilings will be in lacquered wood panels RAL 9010, matt finishing.

Built-in furniture will be made according to the General Arrangement.

Air conditioning grills will be flush with the furniture.

700.2.3 CREW INTERIORS HARDWARE

The following hardware will be provided for Crew Areas, as per Azimut standard selection:

- furniture knobs,
- door handles,
- door stoppers.

Polished stainless steel pipe handrail will be fitted on Crew staircases.

Crew Area doors will be equipped with twist lock from outside and twist lock from inside.

700.3 GUEST INTERIORS AND EXTERIORS

700.3.1 GUEST INTERIORS LINING

Hull sides, superstructure sides and bulkheads will be lined with glued marine plywood panels, stiffened where required and with removable

sections to access the technical equipment or accessories (valves, electrical junction boxes etc).

Wall linings will be finished with leather, veneer or lacquered wood and according to the Interiors Style. Woods, fabrics and veneers will be chosen from the Azimut selection.

Ceilings will be made of marine plywood panels fitted with an easily removable system. The ceiling panels will be lined with leather or lacquer according to the Interiors Style. Deviation from standard equipment will be quoted accordingly.

Built-in furniture (cupboards, drawers, consoles, night tables, wash basin units, A/C units, desks, etc.) will be made according to the Interiors Style. Furniture will be made of wood (timber or veneered marine plywood). Built-in furniture will be made according to the General Arrangement and built by skilled cabinet makers. Furniture will be made using a combination of solid wood and veneered plywood. Deviation from standard equipment will be quoted accordingly.

Air conditioning grills will be flush with the furniture and panels according to the Interiors Style.

High gloss or matt varnish or lacquer will be used according to the Interiors Style.

Interior stairways will be covered and finished in accordance with the Interiors Style.

Stairs will be squeak-free and provided with wooden or metallic handrails.

Around portholes and windows curtain boxes will be fitted, made of lacquered or leather as per Interiors Style.

Special wood decorations selected together with the Azimut Interior Decorator, will be quoted accordingly.

700.3.2 GUEST INTERIORS LOOSE FURNITURE

Loose chairs, armchairs, tables, stools, sofas, etc. will be supplied and installed by Azimut in accordance to the General Arrangement and as per Internal / External Loose Furniture Functional Plan.

LOWER DECK

VIP CABINS:

TYPE	QUANTITY	BRAND
VANITY STOOL	2	AZIMUT SELECTION

MAIN DECK

MAIN SALOON:

TYPE	QUANTITY	BRAND
SOFA 4 SEATS	1	AZIMUT SELECTION
SOFA 2 SEAT	2	AZIMUT SELECTION
ARMCHAIR	2	AZIMUT SELECTION
COFFE TABLE	2	AZIMUT SELECTION
DINING CHAIR	10	AZIMUT SELECTION
DINING TABLE	1	AZIMUT SELECTION

OWNER'S CABIN:

TYPE	QUANTITY	BRAND
DESK	1	AZIMUT SELECTION
DESK CHAIR	1	AZIMUT SELECTION
ARMCHAIR	2	AZIMUT SELECTION
COFFE TABLE	1	AZIMUT SELECTION

700.3.3 GUEST INTERIORS HARDWARE

Cabin, Galley, Wheelhouse, corridor doors will be equipped with twist lock from outside and twist lock from inside.

Door stoppers will be provided to hold the doors in the open position.

All cupboard / storage / wardrobe / cabinet doors will be provided with closing devices. Full height cabinet doors will be provided with top, bottom and central hinges and locking pins. All cabinet doors will have fastening latches (push pull, magnets).

The following hardware will be detailed in the Interiors Style:

- furniture knobs,
- fiddles
- hand rails,
- door handles,
- door stoppers.

Hardware will be chosen according to Interiors Style. Deviation from standard equipment will be quoted accordingly.

Decorative hand rails will be fitted on guest staircases; polished stainless steel pipe handrail will be fitted on service staircases.

700.3.4 GUEST CABINETS OUTFITTING

Dedicated storage will be provided, with plexiglass supports for the following Standard supplies:

Glasses - Plexiglas supports - one table service for nr. 12 people (nr. 36 pieces in total),

Dishes - Plexiglas supports - one table service for nr. 12 people (nr. 48 pieces in total),

Cutlery - Plexiglas supports -one table service for nr. 12 people (max. two drawers),

Bar (glasses, various liquors bottles) for nr. 12 people (bar glasses nr. 24 pieces).

700.3.5 EXTERNAL LOOSE FURNITURE

Loose chairs, armchairs, tables, stools, sofas, etc. will be supplied and installed by Azimut in accordance to the General Arrangement and as per Internal / External Loose Furniture Functional Plan.

MAIN DECK

COCKPIT AREA:

TYPE	QUANTITY	BRAND
DINING TABLE	1	AZIMUT SELECTION

BOW LIVING AREA:

TYPE	QUANTITY	BRAND
COFFEE TABLE	1	AZIMUT SELECTION

FLYBRIDGE

EXTERNAL AREA:

TYPE	QUANTITY	BRAND
COFFEE TABLE	1	AZIMUT SELECTION
DINING TABLE	1	AZIMUT SELECTION
DINING SOFA 10 SEATS	1	AZIMUT SELECTION
DINING CHAIR	4	AZIMUT SELECTION
BAR STOOL	3	AZIMUT SELECTION
ARMCHAIR	2	AZIMUT SELECTION

WHEELHOUSE:

TYPE	QUANTITY	BRAND
COFFEE TABLE	1	AZIMUT SELECTION
BACKREST	1	AZIMUT SELECTION

700.3.6 BEACH AREA

Wall linings will be finished with laminated material according to the Interiors Book. Ceilings will be made of laquered marine plywood panels fitted with an easily removable system. Deviation from standard equipment will be quoted accordingly.

Built-in furniture will be made of marine plywood material in according to the Interiors Book. Deviation from standard equipment will be quoted accordingly.

Special wood decorations selected together with the Azimut Interior Decorator, will be quoted accordingly.

700.4 FLOORS, UPHOLSTERY, MARBLES

700.4.1 FLOOR LININGS

Carpet, wood, marble, stone and vinyl floor will be chosen according to Interiors Style and will be fitted in the Guest and Crew Areas according to the Floor Functional Plan and Marble Functional Plan.

GUEST & OWNER AREA:

ROOM	TYPE	BRAND
CABINS	CARPET	AZIMUT SELECTION
OWNER BATHROOM	MARBLE/WOOD	AZIMUT SELECTION
GUEST BATHROOMS	WOOD	AZIMUT SELECTION
LOBBY	CARPET	AZIMUT SELECTION
STAIRS	ONYX	AZIMUT SELECTION
MAIN SALOON/DINING AREA	CARPET/STONE	AZIMUT SELECTION
ENTRANCE/ MAIN FOYER	CARPET	AZIMUT SELECTION
POWDER ROOM	WOOD	AZIMUT SELECTION
WHEELHOUSE	WOOD	AZIMUT SELECTION

CREW AREA:

ROOM	TYPE	BRAND
GALLEY/PANTRY	VINYL	AZIMUT SELECTION
CABIN	VINYL	AZIMUT SELECTION
BATH	WOOD	AZIMUT SELECTION
CORRIDOR	VINYL FLOOR	AZIMUT SELECTION
STAIRS	VINYL FLOOR	AZIMUT SELECTION
LAUNDRY	VINYL FLOOR	AZIMUT SELECTION
CREW MESS	VINYL FLOOR	AZIMUT SELECTION

700.4.2 INTERIOR UPHOLSTERY AND BLINDS

Fabrics and leather will be chosen according to Interiors Style. All windows and portlights, except Wheelhouse windows, will have curtains and/or blinds as per Curtains Functional Plan. The decorative curtains will be venetian. The blinds will be roller shades. Wheelhouse windows will have a black mesh type shade, fixed on the outside.

Fabrics for decorative cushions, headboard, curtains, sofa, chair, walls, ceiling etc.. will be chosen according to Interiors Style.

One pillow and one decorative cushion will be supplied for each person.

One decorative pillow will be supplied for each sofa's seat.

Deviation from standard equipment will be quoted accordingly.

700.4.3 EXTERNAL UPHOLSTERY

Sun bathing mattresses and external cushions will be upholstered with material fit to external use.

External Fabrics and leathers will be chosen according to Azimut Selection.

Deviation from standard equipment will be quoted accordingly.

EXTERNAL CUSHIONS

DECK	TYPE	QUANTITY	BRAND
AFT SOFA M.D.	SEAT & BACK CUSHION	7	AZIMUT SELECTION
BOW SOFA	SEAT & BACK CUSHION	8	AZIMUT SELECTION
BOW SUNPAD	SUNBATHING CUSHIONS	2	AZIMUT SELECTION
FLY- PILOT STATION	SEAT & BACK CUSHION	2	AZIMUT SELECTION
FLY - SOFA/COPILOOT STATION	SEAT & BACK CUSHION	2	AZIMUT SELECTION

700.4.4 MARBLES AND STONES

Marble floors, walls, and furniture tops will be fitted as shown on the Marble Functional Plan. Marble will be chosen according to Interiors Style. Marbles and stones will be mounted on light support when installed on walls and floors, for a total thickness of 20 mm. For tops and other surfaces, where solid slabs will be used, maximum thickness of the slab will be 20 mm. Deviation from standard equipment will be quoted accordingly.

GUEST & OWNER AREA:

ROOM	TYPE	BRAND
INTERNAL BAR	WORK TOP	CORIAN
BATHROOMS	TOP + BACKSPLASH (H.MAX10cm)	AZIMUT SELECTION
GALLEY	TOP + BACKSPLASH (H.MAX10cm)	SILESTONE
EXTERNAL BAR	HIGH TOP	CORIAN

700.4.5 CARPET

Wool carpet will be fitted in the Guest Areas. Carpet will be chosen according to Interiors Style. Deviation from standard equipment will be quoted accordingly.

All edges of carpet will be bound, where necessary, or fixed under the plinth in the dedicated recesses.

All carpets will be fitted according to the Floor Functional Plan.

700.5 SANITARY EQUIPMENT, TAPS AND BATHROOM ACCESSORIES

700.5.1 SANITARY EQUIPMENT

Wash basins, sinks and baths will be fitted in Guest Areas as per General Arrangement and Interiors Style.

Shower doors for Guest and Owner's Baths will be of commercial type with proper locking system.

700.5.2 TAPS

Taps in the Guest Areas will be chosen according to the Interiors Style. Deviation from standard equipment will be quoted accordingly.

Crew areas will be equipped according to AZIMUT selection.

700.5.3 BATHROOM ACCESSORIES

The bath accessories fitted in the Guest Areas will be chosen according to the Interiors Style and according to the Bathroom Accessories Functional Plan.

GUEST & OWNER AREA:

ROOM	TYPE	Q.TY	BRAND
BATHROOMS	WASHBASIN	1	AZIMUT SELECTION
BATHROOMS	WASHBASIN FAUCET	1	AZIMUT SELECTION
SHOWER	SHOWER MIXER	1	AZIMUT SELECTION
SHOWER	SHOWER DIVERTER	1	AZIMUT SELECTION
SHOWER	SHOWER HEAD	1	AZIMUT SELECTION
SHOWER	SHOWER HANDSET	1	AZIMUT SELECTION
BATHROOM	SOAP HOLDER	1	AZIMUT SELECTION
BATHROOM	GLASS HOLDER	1	AZIMUT SELECTION
BATHROOM	TOWEL RAIL 40cm	1	AZIMUT SELECTION
BATHROOM	TOILET BRUSH HOLDER	1	AZIMUT SELECTION
BATHROOM	TOILET PAPER HOLDER	1	AZIMUT SELECTION
BATHROOM	CLOTHES HOOK	2	AZIMUT SELECTION

CREW AREA:

ROOM	TYPE	Q.TY	BRAND
GALLEY/PANTRY	SINK	2	AZIMUT SELECTION
GALLEY/PANTRY	FAUCET	1	AZIMUT SELECTION
CREW MESS	SINK	1	AZIMUT SELECTION
CREW MESS	FAUCET	1	AZIMUT SELECTION
CREW BATH	WASHBASIN	1	AZIMUT SELECTION
CREW BATH	FAUCET	1	AZIMUT SELECTION
CREW BATH	SHOWER COLUMN SET	1	AZIMUT SELECTION
CREW BATH	SOAP HOLDER	1	AZIMUT SELECTION
CREW BATH	GLASS HOLDER	1	AZIMUT SELECTION
CREW BATH	TOWEL RAIL 45cm	1	AZIMUT SELECTION
CREW BATH	TOILET BRUSH HOLDER	1	AZIMUT SELECTION
CREW BATH	TOILET PAPER HOLDER	1	AZIMUT SELECTION
CREW BATH	CLOTHES HOOK	2	AZIMUT SELECTION

EXTERNAL:

ROOM	TYPE	Q.TY	BRAND
BAR	SINK	1	GRP
BAR	FAUCET	1	AZIMUT SELECTION

700.6 DOMESTIC APPLIANCES

700.6.1 APPLIANCES

Domestic equipment will be supplied in accordance with the Appliances Functional Plan.

INTERNAL:

ROOM	TYPE	Q.TY	BRAND
MAIN SALOON BAR	MINIFRIDGE	1	ISOTHERM

ROOM	TYPE	Q.TY	BRAND
LAUNDRY	WASHER MACHINE	1	MIELE
LAUNDRY	DRYER MACHINE	1	MIELE
CREW MESS	FRIDGE	1	ISOTHERM
GALLEY/PANTRY	COOKING TOP	1	MIELE
GALLEY/PANTRY	EXHAUST HOOD	1	MIELE
GALLEY/PANTRY	OVEN	1	MIELE
GALLEY/PANTRY	MICROWAVE	1	MIELE
GALLEY/PANTRY	DISHWASHER	1	MIELE
GALLEY/PANTRY	FREEZER	1	COMMERCIAL BRAND
GALLEY/PANTRY	FRIDGE	1	COMMERCIAL BRAND

EXTERNAL:

AREA	TYPE	Q.TY	BRAND
BEACH AREA	MINIFRIDGE	1	ISOTHERM
FLYBRIDGE BAR	ICE MAKER	1	ISOTHERM
FLYBRIDGE BAR	MINIFRIDGE	1	ISOTHERM

700.7 VARIOUS ACCESSORIES

700.7.1 MISCELLANEOUS

GUEST & OWNER AREA:

ROOM	TYPE	BRAND
ALL	DOOR HANDLE	AZIMUT SELECTION
ALL	DOOR STOPPER	AZIMUT SELECTION
ALL	FURNITURE KNOB	AZIMUT SELECTION
ALL	FIDDLES	AZIMUT SELECTION
ALL	HAND RAIL	AZIMUT SELECTION

ROOM	TYPE	Q.TY	SIZE	BRAND
MASTER CABIN	SAFE	1	210X297 MM	AZIMUT SELECTION

700.7.2 DECORATIVE LAMPS

Style of all lights, lamps and electrical fittings will be chosen according to the Interiors Style.

The position and the distribution will be as per Interiors Book and Decorative Lamps Functional Plan.

GUEST & OWNER AREA:

ROOM	TYPE	Q.TY	BRAND
VIP CABIN STBD	WALL LAMP	2	AZIMUT SELECTION
VIP CABIN PORT	WALL LAMP	2	AZIMUT SELECTION
TWIN CABIN STBD	WALL LAMP	1	AZIMUT SELECTION
TWIN CABIN PORT	WALL LAMP	1	AZIMUT SELECTION
OWNER'S CABIN	WALL LAMP	2	AZIMUT SELECTION
WHEELHOUSE	CHART LAMP	1	AZIMUT SELECTION

Special requests will be quoted accordingly.

700.7.3 MATTRESSES

Will be install spring mattresses in Owner and Guests cabins, custom made.

The Crew's mattresses will be of rubber foam marine quality, custom made.

There will be some clearance between the mattresses and the bedframes.

Special requests will be quoted accordingly.