



Roberto Forti

Shipbrokers & Marine Consultant

Tankoa



MAIN CHARACTERISTICS

Hull Type: Twin Propeller Motor Yacht
Classification: Dual Class RINA/Lloyd's (MCA LYC2)
Hull Material: High Tensile Steel
Superstructures: Aluminium Alloy
Project Engineer: Ruggiero S.r.l. (Genoa)
Exterior Design: Francesco Paszkowski Design S.r.l. (Florence)
Interior Design: Giugiaro Architettura S.r.l. (Milan)
Accommodations: 1 Owner's suite + 5 VIP suites

DIMENSIONS

Overall Length: 65 m (215 feet)
Overall Beam: 11.60 m (36.16 feet)
Draft: 3.30 m (10.56 feet)
Full Displacement: ~ 1.200 t
Gross Tonnage: ~ 1.300 GT

TECHNICAL SYSTEM

Maximum Speed at Half Load: 16.5 knots
Range at 12.5 knots: > 5.000 n.m.
Fuel: ~ 160 m³
Fresh Water: ~ 37 m³

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PROPULSION SYSTEM

Main Engines: 2 x CAT 3516B DITA
Maximum Power: 2 x 1.825 kW [2 x 2.480 HP]
Propellers: Fixed Pitch Propeller
Generators: Northern Lights, 2x230 kW + 1x155 kW + Emerg. generator
Bowthruster: VT Naiad, Electric Drive, 200 kW
Stabilizing System: VT Naiad, 4 Fins, At anchor

TENDERS AND SPORTS EQUIPMENT

Tenders and sport equipments are Owner's supply.
The design criteria is to house the following tenders and jet-ski.

Main Tender: 7.20 m
Secondary Tender: 7.20 m
Crew Tender: 4.20 m
Solas Tender

DELIVERY: Year 2012

INSPECTION: Italy

GENERAL PART

The vessel described within this Technical Specification is a luxury displacement Motor Yacht with high tensile steel hull and light alloy superstructure.

The vessel is designed for deep-sea or open ocean navigation, without any limitations. Hence, it is designed so to meet the highest navigation, manoeuvrability and comfort requirements. The Yacht is designed and built under the highest European Standards for luxury Yachts, for commercial chartering and worldwide navigation without limitations.

GENERAL ARRANGEMENT PLANS

As per the "General Arrangement Plan" drawing C102-00-01, the Yacht shall have the following decks:

- Tank Deck - "Double bottoms": various double bottom tanks with structural tops, engine room, laundry, cold rooms, technical areas and bow-thruster.
- Lower Deck - "Lower Deck": Beach Club area/entrance, relax area, bar, tenders storage, 2nd level engine and control room, galley with fridge and freezer room, lounge and crew cabins.
- Main Deck - "Main Deck": aft open areas, veranda areas, main saloon, lobby, guest cabins, VIP cabin, technical areas, forward mooring area.
- Upper Deck - "Upper Deck": aft open areas, bar, relax area, upper saloon and dining room, pantry, technical areas, cinema room, Capt cabin, wheelhouse.
- Sun Deck - "Sun Deck": outside area, bar, fitness area, Owner's quarter.

CLASSIFICATION AND CERTIFICATION

The construction and the installation of the machinery, shall be carried out under the survey and in accordance with the Rules, in force at the time of construction, of the following Societies:

Lloyd's Register (LRS), for the issue of the Class Certificate: $\star$ 100 A1, SSC, YACHT, MONO, G6, [$\star$] LMC, UMS, E.P., as Society assigned for the issuing of statutory certificates.

RINA - Italian Naval Registry - Class Certificate: C $\star$ HULL, $\bullet$ MACH, UNRESTRICTED NAVIGATION, YCH (MCA), GREEN STAR, as second Society.

MCA - The Yacht shall be compliant with LY2, Maritime and Coastguard Agency - Large Commercial Yacht Code.

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MAIN ENGINES

No. 2 DIESEL ENGINES CATERPILLAR MOD. 3516B DITA-SCAC HIGH DISPLACEMENT
TECHNICAL CHARACTERISTICS:

- Diesel Cycle: 4 strokes
- Air suction: supercharged and post refrigerated
- Injection: direct
- No. of cylinders: 16 "V"
- Bore: 170 mm; Stroke: 215 mm ~ Compression ratio: 14:1; Displacement: 78 lt.
- Dry engine weight, Net dry: 10.000 kg (approx)

REVERSE/REDUCTION GEAR, SHAFTS AND PROPELLERS

The reverse/reduction gear shall be provided with the engine and connected to them through Vulkan elastic couplings of type and characteristics specified by the gears maker.

Model: ZF 7641 with reduction rate 3.625:1

No. 2 propeller shafts in stainless steel (AISI 316)

No. 2 x 5-fixed blade propeller (maker DETRA) with 1700 mm diameter (approx) Propeller finishing: ISO 484 (1981) Class S

BOWTHRUSTER

A bowthruster shall be fitted with the following main characteristics: Maker: VOSPER - Model: VT200E

Propeller diameter: 800 mm, fixed pitch - Number of the blades: 4

Power of the electrical engine: 200 kW@1486 rpm

The system shall have a propeller operated by a 3-phase electric engine started by an inverter.

ACTIVE STABILIZERS

In order to ensure comfort and stability on board, two couples of active stabilizers shall be fitted.

The system shall be sized for navigation as well as for zero speed conditions.

The unit shall have the following main characteristics:

Maker: VT Naiad Marine - Model: VTNM 620 S@A - Dimensions of the fins: 3.49 m² x 4

Control system "Three Terms" DATUM DIGITAL Can-Bus with a sensor for rolling angle, rolling and acceleration speed.

Functioning: electro-hydraulic system of 2x30 kW with oil reservoir of 250 lt each.

It shall be controlled through a colour LCD screen, displaying the ship movements and the alarm signals.

The hull structure shall be adequately strengthened so to guarantee the correct mounting of the fins, which shall be fitted in such way so not extend beyond the maximum hull breadth, as well as below the keel.

The fins shall be sized so to obtain the maximum nominal stability effect when at in navigation of 12.5 knot speed.

When not in operation, the fins shall auto-stabilize in a neutral position.

Stabilizers control panels shall be placed in the wheelhouse and in the propulsion and equipment control room.

Inside the hull, the stabilizers shall be fitted in the watertight compartments, with hatches for inspection and maintenance.

ANCHOR WINDLASSES

On the main deck at the forecastle, an elevated platform shall be devised where, on adequate reinforced basements, two vertical shaft anchor windlasses (OPEM SISTEMI) shall be installed, with stainless steel chain gypsy and stainless steel capstan.

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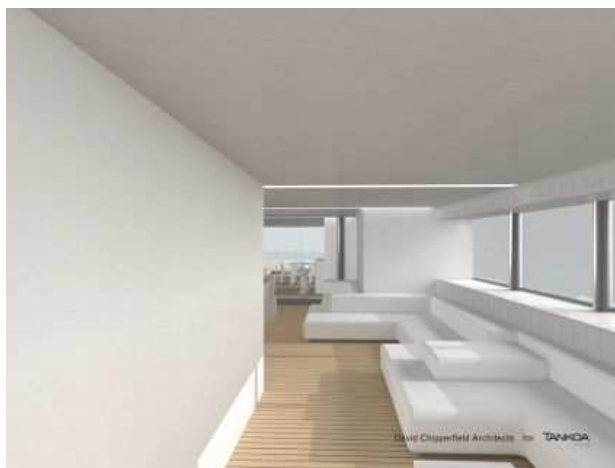
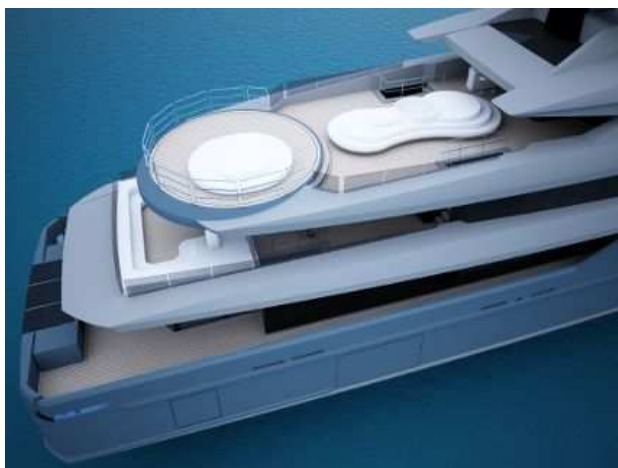
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