

MAJESTY 122

Standard Specifications

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Main Characteristics

Dimensions

	Feet-In	Meters
Length Overall	124' - 2"	37.837
Length Water Line	100' - 3"	30.552
Draft	6' - 2"	1.885
Beam	25' - 5"	7.749
Air Draft	35' - 9"	10.90

Design

Hull Type	Mono Hull
Hull Material	Fiber Reinforced Plastics (FRP)
Superstructure Material	Fiber Reinforced Plastics (FRP)
Yacht Type	Motor Yacht
Number of Guests + Crew	10 + 05
Displacement	174.4 tons
Classification	RINA Pleasure
Navigation Service	Unrestricted

Tank Capacities

	US. Gallons	Liters
Fuel Capacity	7,367	27,887
Fresh Water Capacity	1,688	6,390
Grey Water Capacity	305 + 60.5	1,155 + 229
Black Water Capacity	329 + 60.5	1,245 + 229
Lube Oil Capacity (Clean + Dirty)	257 + 236	973 + 893

Machinery

Engines	Twin MAN V12-1900, 1874 HP, 1397 kW, 2300 RPM
Generators	Twin Kohler 55kW, 230/400V AC, 50 Hz, 3~phase
Stabilizer	Twin ABT-TRAC 440 Fin Stabilizer System
Power System	Electrical, 230-400V AC, 50Hz, 3~phase, 24V DC

Performance

Top Speed	18 knots*
Cruising Speed	15 knots*
Maximum Range @ 12 knots	2,470 NM*

*Speed and range estimates may vary depending on cleanliness of hull, and sea conditions.

General Information

The design and construction shall be strictly in accordance with the following specifications that describe the Standard Yacht Version.

Design, exterior styling, and interior design shall be performed by the Gulf Craft Inc as per the attached General Arrangement.

Any additional design requirements or any changes in Design or Technical to this Standard Specification shall be considered as a Variation and shall become part of Work Order.

Customer's Confirmation

Hull and Superstructure Construction

Reinforcements: Fiber Glass

Resin: Vinylester

Core materials: Styrene Acrylonitrile (SAN) Foam-typical for marine applications, Balsa wood

Construction Process

Hand-layup lamination process is employed. Hull and superstructure are laminated into female molds.

During construction process yacht is kept in clean conditions. All finished work is thoroughly protected. Particular attention is given to the covering of materials that could absorb impacts from tools, materials, and workers

Hazards associated with the handling of composite materials are minimized

Gel Coating

Isophthalic gelcoat with low styrene content is employed to create a suitable barrier to water to avoid hydrolysis and ultraviolet degradation. The formulation of gelcoat is for both brush and spray applications. Curing of the gelcoat is done at optimal temperatures using a catalyst recommended by gelcoat manufacturer

Finishing of the yacht is done in white gelcoat.

Antifouling

Antifouling coating is applied to the hull to prevent growth of subaquatic organisms that may affect a yacht's performance and durability

Superstructure

Sundeck

AISI 316L stainless steel railings
Forward sunbed with railing
Upholstered sofa with teak dining table
Sundeck helm station
Three adjustable helm seats
Upholstered Sofa (with Storage)
Companion door to wheel house
U shaped upholstered sofas with teak dining tables
Wet bar with electric BBQ
Counter top with bowl sink, ice maker, and fridge
Four bar stools
Warm white exterior lights
Self-draining
Teak decking
Jacuzzi

Fore Deck

AISI 316L stainless steel railings
Two AISI 316L stainless steel deck cleats
Two AISI 316L stainless steel fairleads with rollers
Four freeing ports
Aluminum foremast
Upholstered sofa with storage
Water tight hatch to anchor handling machinery
Water tight hatch to garbage compartment
Warm white exterior lights

Self-draining

Teak decking

Main Deck

AISI 316L stainless steel railings

Two AISI 316L stainless steel fairleads with cleats

Two freeing ports

Two AISI 316L stainless steel deck cleats

Weathertight doors leading to main lobby and main galley

Stairway to upper deck on port

Stairway to upper deck on aft cockpit

Automatic/manual sliding patio door to main saloon

Bulwark doors

Counter top with bowl sink and fridge

Weathertight door to stairway leading to garage

Upholstered sofa with teak dining table

AISI 316L stainless steel transom doors

Warm white exterior lights

Self-draining

Teak decking

Swim Platform

AISI 316L stainless steel removable rails

Electrohydraulic garage door

Teak decking

Interior Arrangement

Accommodation

The arrangement and accommodation layout shall be according to the General Arrangement Plan and Profile

Majesty 122 has five guest cabins including the owner's cabin, three crew cabins in the forward

All cabins have en-suite bathrooms

Day head on the main deck

Lighting

Warm white dimmable interior lights

Reading lights in all cabins

Interior Finish

Main Veneer – Quarter Cut Avodire

Accent Veneer – Quarter Cut Ebony

Marble

Arabescato Rosatto

Safe Locker

A safe locker with digital lock is provided inside wardrobe of owner's cabin

Beddings

Owner's Cabin: Mattress protector, bottom sheet, duvets, pillows, cushions

Guest Cabins: Mattress protector, bottom sheet, duvets, pillows

Wheel House

Main helm station

Adjustable helm's seat

Sofa with table

Chart table

Companion door and stairway to sundeck

Wooden floor

Main Saloon

Three sofas with side tables

Coffee table

Two loose arm chairs

Electric roman blinds with pleated blinds

Marble foyer

Carpeted floor

Dining Area

Glass Dining table top with twelve chairs

Marble top lower counters

Glass storage cabinets

Electric roman blinds with pleated blinds

Folding door to main galley passage area

Quartz Semi-Precious Stone Flooring with Fiber-Optic Lighting with Marble Inlay Under the Dining Table

Wooden floor

Main Galley

Counter top with twin bowl sink and mixer tap

Overhead cabinets

Under counter cabinets and drawers

Two fridge-freezer combination – Miele

Freezer – Miele

Four burner induction hob – Miele

Deep Fryer – Miele

Teppanyaki – Miele

Oven – Miele

Cooker Hood – Miele
Dishwasher – Miele
Microwave Oven – Miele
Wine cooler – Miele
Coffee maker – Miele
Ice maker - Scotsman
Pleated blinds
Resilient tiles floor

Main Lobby

Glass shelf
Luggage storage
Dayhead
Stairway to guest lobby
Door to owner's office
Marble floor

Day Head

Washbasin with mixer tap
Vanity mirror
Electric toilet
Sanitary accessories
Marble floor

Owner's Office

Working desk with chair and side seats
Sofa with marble top side tables
Electric roman and pleated blinds
Door to owner's cabin
Carpeted floor

Owner's Cabin

Double bed with Quartz Semi-Precious Stone with Backlight top side tables

Sofa on port

Coffee table

Loose arm chair

Quartz Semi-Precious Stone with Backlight top lower counter

Electric roman blinds and pleated blinds

Wardrobes

Vanity desk with chair

Open shelves

Carpeted and Wooden floor

Owner's Bathroom

Marble top with two washbasins and mixer taps

Vanity mirror

Lower cabinets

Niche

Glass door to toilet and shower area

Electric toilet

Bidet

Shower seat

Head and handheld showers

Pleated blinds

Sanitary accessories

Marble floor

Guest Lobby

Doors to twin guest cabins, and double guest cabin

Wooden floor with marble inlay

Double Guest Cabins

Double Bed with Quartz Semi-Precious Stone with Backlight top side tables

Wardrobe

Vanity desk with stool

Quartz Semi-Precious Stone with Backlight top lower counter

Electric roman blinds and pleated blinds

Carpeted floor

Double Guest Bathrooms

Marble top with washbasin and mixer tap

Vanity mirror

Electric toilet

Glass door to shower room

Sanitary accessories

Marble floor

Double Guest Showers

Shower seat

Head and handheld showers

Sanitary accessories

Marble floor

Twin Guest Cabins

Two single beds with Quartz Semi-Precious Stone with Backlight top side table

Wardrobe

Electric roman blinds and pleated blinds

Carpeted floor

Twin Guest Bathrooms

Marble top with washbasin and mixer tap

Vanity mirror

Electric toilet

Glass door to shower room

Sanitary accessories

Marble floor

Twin Guest Showers

Shower seat

Head and handheld showers

Sanitary accessories

Marble floor

Crew Lounge

Two sofas with side tap

Dining table with two stools

Counter top with bowl sink and mixer tap

Overhead storage cabinets

Undercounter fridge

Microwave oven

Portholes with pleated blinds

Doors to crew cabins

Resilient tiles floor

Captain's Cabin

Single bed

Wardrobe

Working desk with chair

Portholes with pleated blinds

Resilient tiles floor

Captain's Bathroom

Washbasin with mixer tap

Vanity mirror

Electric toilet

Hand held shower

Teak grating

Crew Cabins

Bunk beds

Wardrobe

Pleated blinds

Portholes

Resilient tiles floor

Crew Bathrooms

Washbasin and mixer tap

Vanity mirror

Electric toilet

Hand held shower

Teak grating

Garage

Electrohydraulic crane with 500 kg lifting capacity

Portholes

Water tight-fire rated door to engine room

Steps to swim platform

Water tight doors to rudder compartment

Resilient tiles floor

Main Machinery and Equipment

Propulsion System

Twin MAN V12-1900, 1874 HP, 1397 kW, 2300 RPM

Twin reverse reduction gearbox ZF3050A 2.520:1 A

Twin power take offs (P.T.O)

Twin five blade propellers by CJR

Stabilization & Trim Adjustment System

ABT TRAC 440 Fin Stabilizer System with zero speed stabilization feature

Exhaust and Ventilation System

Exhaust and ventilation reversible fans with fire dampers in engine room by Gianneschi

Automatic fire dampers for galley and engine room by Gianneschi

Exhaust blowers in all bathrooms by Silent

Charcoal filters for black and grey vent pipes by Odorhog

Steering System & Maneuvering

Electro-hydraulic servo assisted steering system by Marsili Aldo

Up to 100 HP hydraulic bow thruster by ABT TRAC

Control Stations

Main helm station

Sundeck helm station

Emergency steering station

Docking station

Anchoring and Mooring Equipment

Two hydraulic vertical windlasses VWC6000 with deck handheld controls by Maxwell

Two digital chain counters on the main helm station

Two 105Kg anchors with 110m length and 16mm diameter chain

Pressure washing of chain by fresh water

Two VC4000 24V DC 2000 W capstans with foot switches by Maxwell

Mooring lines 3 nos. 80m length/each with eye at one end

Horn

Electric air horn with three trumpets

The system comprises of air horn compressor, air tank, and whistle control

Search Light

Forward search light on hard top

Control panel on main helm and repeater on sundeck helm station

Cathodic Protection

Zinc anodes

Copper plates

Supply Items

Two retractable boat hooks

Eight Fenders F7, 15" x 41" White

Eight Fender ties, 4.5 meter, 10mm, 3 strand, black

Tool kit

Portable Hose Reel

Two deck wash connectors

Exterior protection covers for sofas, windows, and windshield

Owner's Manual with maintenance schedule

Engines, machinery, and equipment manuals

Yacht Systems

Fuel System

7,367 US gallons (27,887 liters) FRP fuel tanks with interconnection

Fuel transfer system comprises of AISI 316L stainless steel manifold, main AC pump, emergency DC pump by Gianneschi, and a manual pump by Super Lario

Deck fillers inside recessed lockers on main deck

Fuel purification system by Alfa Laval

Fuel distribution manifold and piping is AISI 316L stainless steel

Lube Oil System

Two 250 US gallons (946 liters) FRP clean and dirty lube oil tanks

Main AC transfer pump by Gianneschi

Manual pump by Super Lario

Lube oil system comprises of AISI 316L stainless steel manifold

Air Conditioning System

Four air conditioning chillers with the total cooling capacity of 348,000 BTU/hr by Climma

Two sea water pumps by Calpeda

Two chilled water pumps by Calpeda

Air handler units with capacities ranging from 9,000 to 24,000 BTU/hr by Climma

Self-contained AC units for engine room, and audio video equipment

Fresh Water System

1,688 US gallons (6,389 liters) FRP fresh water tank

Two fresh water AC pumps, and an emergency DC pump by Gianneschi

Three 200 liters water heaters by Gianneschi

Two hot water circulation pumps by Grundfos

Two water makers with 260 liters/hour production capacity by HP

Deck wash connections on swim platform, aft cockpit, upper deck aft, upper deck forward, anchor handling compartment, and sundeck

Transom shower with hot and cold water mixer

Dock connection for fresh water supply with pressure regulator

Fresh water piping is polybutylene

Grey Water System

305 US gallons (1,154 liters) FRP grey water tank in the forward

121 US gallons FRP garage floor drain tank

Two grey water AC discharge pumps by Gianneschi

Deck out for overboard discharge to port/marina

Polished AISI 316L stainless steel scuppers on all decks

Grey water system piping is uPVC and AISI 316L stainless steel

Black Water System

329 US gallons (1,245 liters) FRP forward black water tank in the forward

Black water AC discharge pump by Gianneschi

Deck out for overboard discharge to port/marina

Electric toilets 24V DC by Tecma

Black water piping is uPVC and AISI 316L stainless steel

Bilge System

Bilge suction strainers and high-water alarm sensors in all water tight compartments

Main bilge pump by Gianneschi connected to the bilge manifold

Two electric submersible bilge pumps in stabilizer compartment

Bilge system piping is AISI 316L stainless steel

Electrical System

Line voltage: 230V-400V AC 3~phase, 50Hz

DC voltage: 24V

Twin Kohler 55 kW, 230/400V AC, 50Hz, 3~phase generators with load distribution

Dockside cable master system CM8 with 25 m cable by Glendenning

Main switch board (400V, 3~phase, 50 Hz) installed in engine room

100 A Galvanic Isolator by DEI Marine

Four 16A smart battery chargers by Victron Energy for charging engine and generator batteries

Two 80A battery chargers by Victron Energy for charging service and machinery batteries

One 30A battery charger by Victron Energy for charging emergency batteries

Four 12V, 200AH batteries for engines by Exide

Four 12V, 200AH batteries for service and machinery by Exide

Four 12V, 100AH batteries for generators by Exide

Two 12V, 200AH batteries for emergency by Exide

All accommodation and machinery spaces have 230V AC power outlets by Vimar

Navigation System, Radio & Instrumentation

Navigation & Radio System

Furuno Navigation and Radio system

Night vision camera M324CSby FLIR

Two 19" navigational displays on main helm, and two 17" navigational displays on sundeck helm

Magnetic compasses by Ritchie and Plastimo

Two ultra-high definition radar scanners DRS4A and DRS12A by Furuno

Global positioning system (GPS) receiver GP330B by Furuno

Satellite compass SC-30 by Furuno

Automatic Identification System (AIS) FA-170 by Furuno

Autopilot NavPilot-700 by Furuno

VHF Radio FM8900S by Furuno

Instrumentation

Two echo sounders for temperature, speed and depth measurement by Airmar

Two weather stations WS200 for wind measurement by Furuno

Lightning arrester

Doors and windows sensors integrated to the AMS panel in wheel house

Alarm & Monitoring System

Alarm and monitoring system is integrated with the general alarm system, tank sensors for level monitoring, navigation lights, black & grey water pumps, emergency batteries voltage levels, door & hatches sensors for monitoring, and bilge monitoring

The display panels are fitted in engine room, crew lounge, and main helm

Camera Monitoring System

CCTV camera monitoring system by AXIS at the following locations:

Engine room x 2 no.

Main deck gunwale x 2 no.

Aft cockpit x 1 no.

Sundeck x 1 no.

Public Address System

Master station with five lines connected to substations in engine room and emergency steering by Zenitel

Communication System

Intercom Telephone System by Panasonic

Thuraya satellite phone

Navigation Lights

Following navigation lights by Den Haan Rotterdam are installed:

Masthead light

Side light (Port)

Side light (Stbd)

Stern light

Anchor light

Not under command lights

Emergency Lighting

24V DC Emergency lights

Flood Lights

Two flood lights on hard top aft by Lumitec

Two flood lights on sun deck aft by Lumitec

Two flood lights on foremast by Lumitec

Underwater Lights

Twelve white LED underwater lights by Underwater Lights Limited

Fire Prevention and Safety Equipment

Structural Fire Protection

Structural fire protection in the engine room and main galley

Fire Detection and Fire Alarm System

Fire Alarm panel by Catef Marine

Smoke detectors by Apollo

Heat detectors by Apollo

Call points by Apollo

Fire bells

Bell with beacon light

Fire Appliances

FM-200 fixed fire extinguishing system by Fire Buoy

Main fire pump by Gianneschi

Emergency diesel pump by Gianneschi

Three fire blankets

Dry powder fire extinguishers by Firex

Gasoline vapor detector in garage

Six fire hydrant supply points are provided with fire hose reel of 20 m with jet spray nozzle on aft cockpit, sundeck forward, guest lobby, main galley passage, and engine room

International shore connection with isolation valve and fire hydrant

Life Saving Appliances

Four life rafts each with 08 persons capacity

Inflatable life jackets with light and whistle (16 adults + 03 child)

Emergency position indicating radio beacon (EPIRB)

Search and rescue transponder

Set of rocket parachute flares

Set of line throwing appliances

Two sets of two-way radio telephones

Two life buoys with light and smoke (MOB signals)

Two life buoys with line
Two life buoys with light
Fire Axe
Two first aid kits

Entertainment System

Satellite TV System TV8 by KVH Tracvision. Two domes on hard top. One with antenna and other one as dummy.

Entertainment system with Automation by Sonos Controller

Sundeck

Four ceiling speakers

Fore deck

Two on-wall speakers under sofa

Main Deck Cockpit

Four ceiling speakers

Wheel House

Two ceiling speakers

Main Saloon

UHD TV 65 inches

Satellite receiver

Apple TV 4G 32 GB

Four ceiling speakers

Media Hub

Owner's Cabin

UHD TV 55 inches

Satellite receiver

Media Hub

Apple TV 4G 32 GB

Two ceiling speakers

Double Guest Cabins

UHD TV 40 inches

Satellite receiver

Media Hub

Apple TV 4G 32 GB

Twin Guest Cabins

UHD TV 32 inches

Satellite receiver

Media Hub

Apple TV 4G 32 GB

Crew Lounge

LED TV 32 inches

Satellite receiver

Media Hub

Server Rack Equipment

Access points

Amplifier

Network switching device

4 TB QNAP

Uninterrupted power supply (UPS)

Router

iPod 32 GB with water proof case

MAJESTY 122 OPTIONS

The options selected from the below list and any additional requirement shall be considered as a variation and upon confirmation shall become a part of Work Order

1. RINA Commercial Classification for Chartering with GMDSS Sea Area A2
2. Compliance with Maritime and Coast Guard Agency (MCA) Large Yacht Code LY3
3. Twin MTU 16V 2000 M94, 2600 HP, 1939 kW, 2450 RPM Engines
4. Aft Search Light
5. Yacht Name
6. Awning on Sundeck Forward
7. Awning on Sundeck Aft
8. Umbrella on Sundeck Forward
9. Portable Air Compressor
10. Electrohydraulic Balcony in Main Saloon with Manual Sliding Door
11. Electrohydraulic Transformer (6 steps and 550 kg lifting capacity)
12. Sewage Treatment Plant 3,200 L/day
13. Fresh Air System
14. Isolation Transformer
15. Frequency Converter
16. Electrohydraulic Passarella
17. Up to 65 HP Hydraulic Stern Thruster
18. Cradle and Hooks for Jetski and Tender/Dinghy
19. Marquipt Side Mount Ladder
20. Tender/Dinghy
21. Jetskis
22. Sundeck Crane