



M120

M120

Standard Specifications

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Main Characteristics

Dimensions

	Feet-In	Meters
Length Overall	121'-7"	37.076
Length Water Line	102'-3"	31.185
Draft	6'-3"	1.90
Beam	26'-6"	8.089
Air Draft (LWL to Hardtop)	29'-1"	8.88

Design

Hull Type	Mono Hull
Hull Material	Fiber Reinforced Plastics (FRP)
Superstructure Material	Fiber Reinforced Plastics (FRP)
Yacht Type	Motor Yacht
Number of Guests	12 +02 (Pullman)
Number of Crew	07
Displacement	200 tons approx..
Classification	RINA Pleasure

Tank Capacities

	US. Gallons	Liters
Fuel Capacity	6,430	24,340
Fresh Water Capacity	1075	4,069
Grey Water Capacity	260	984
Black Water Capacity	260	984

Machinery

Engines	Twin MAN V12-1900, 1874 HP, 1397 kW, 2300 RPM
Generators	Twin Northern Lights 55 kW, 230/400V AC, 50 Hz, 3~phase
Power System	Electrical, 230-400V AC, 50Hz, 3~phase, 24V DC

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

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 is 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

External lockers, storages, and FRP furniture is finished in white gelcoat

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

L-shaped upholstered sofa with coffee table

Wet bar with sink, BBQ grill, and following appliances:

Under counter fridge by Vitrifrigo

Ice maker by Vitrifrigo

Four bar stools with AISI 316L stainless steel bases

Jacuzzi

Three sun loungers

Warm white exterior lights by Cantalupi

Teak decking

Self-draining

Foredeck

AISI 316L stainless steel railings

Flag post

Four AISI 316L stainless steel deck cleats

Two AISI 316L fairleads with rollers

Two freeing ports

Watertight hatches for garbage and anchor chain compartments

Teak decking

Self-draining

Upper Deck

AISI 316L stainless steel railings

Rail track for cleaning

Sunbed with safety railing

Upholstered sofa with two teak dining tables

Pantograph doors to wheel house on port and starboard

Stairway to sundeck on aft port side

Sliding patio door

Service counter on starboard

Dining table with 10 persons seating capacity

Teak decking

Self-draining

Main Deck

AISI 316L stainless steel railings

AISI 316L stainless steel deck cleats on aft

Two freeing ports

Weathertight doors to pantry and lobby

Sliding patio door

Stairway to upper deck on port

Weathertight door and stairway to crew mess and pantry on port gunnel

Counter top with washing sink on starboard

Upholstered sofa with teak dining table and four chairs

Bulwark doors on port and starboard

AISI 316L stainless steel transom doors

Teak decking

Self-draining

Swim Platform

Electrohydraulic garage door

Two AISI 316L stainless steel pop-up cleats

Removable AISI316L stainless steel staple rails on swim platform

Swim ladder

Teak decking

Interior Arrangement

Accommodation Layout

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

M120 has six guest cabins including the owner's cabin, two double guest cabins, two twin guest cabins, and a VIP cabin. Each guest cabin has an en-suite bathroom

She has three crew cabins with en-suite bathrooms in the aft, and a captain's cabin with en-suite bathroom on upper deck

She has day heads on upper deck and main deck

Lighting

Warm white dimmable interior lights by Cantalupi

Reading lights in all cabins by Cantalupi

Interior Finish (TBC)

Marble (TBC)

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

VIP Cabin: Mattress protector, bottom sheet, duvets, pillows

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

Upper Deck

Panoramic Saloon

L-shaped sofa with side table

Two coffee tables

Loose arm chair

Two poufs

Wet bar with sink, four bar stools and following appliances:

Under counter fridge by Miele

Sliding door to upper deck lobby

Electric roman and pleated blinds

Carpeted floor under seating area

Wooden floor

Upper Deck Lobby

Door to wheel house

Door to day head

Electric roman and pleated blinds

Wooden floor

Wheel House

Main helm station

Captain's adjustable seat

Sofa

Working desk with chair

Door to captain's cabin

Wooden floor

Captain's Cabin

Single bed with side table

Wardrobe

Roman and pleated blinds

Carpeted floor

Captain's Bathroom

Washbasin with mixer tap

Vanity mirror

Hand shower

Electric toilet

Sanitary accessories

Teak grating

Corian floor

Main Deck

Main Saloon

Two sofas with side tables

Sofa with pop-up TV lift

Two coffee tables

Two loose arm chairs

Electric roman blinds with pleated blinds

Electric curtain at the entrance

Carpeted floor under seating area

Wooden floor

Dining Area

Dining table with glass top and 10 persons seating capacity

Low counter tables with storage cabinets

Electric roman blinds with pleated blinds

Sliding doors to pantry and lobby

Sliding door to china storage

Wooden floor

Passage Area – Port Side

Counter top with storage cabinets

Sliding fire rated door to main galley

Wooden floor

Main Galley

Counter top with twin bowl sink, mixer tap, and soap dispenser

Overhead cabinets

Under counter storage cabinets

Dining table with two sofas

Three fridge-freezer combination by Miele

Refrigerator by Miele

Oven by Miele

Dishwasher by Miele

Four burner induction hob by Miele

Cooker hood by Miele

Wine cooler by Miele

Coffee machine by Miele

Microwave Oven by Miele

Ice maker by Scotsman

Door to Laundry

Pleated blinds

Ceramic tiles floor

Laundry

Washer by Miele

Dryer by Miele

Ironing stand

Storage cabinet

Resilient tiles floor

Main Lobby

Stairway to upper deck lobby

Stairway to guest lobby

Day head

Door to owner's cabin

Wooden floor

Day Head

Washbasin with mixer tap

Vanity mirror

Electric toilet

Sanitary accessories

Pleated blinds

Marble floor

Owner's Cabin

Double bed with side tables

Loose arm chair with coffee table

Under counter small fridge by Dometic

Walk-in closet

Electric roman blinds with pleated blinds

TV counter with side cabinets

Vanity table with chair

Carpeted floor

Owner's Bathroom

Marble counter top with twin washbasins and mixer tap

Vanity mirrors

Electric toilet

Bidet

Sanitary accessories

Glass door to shower room

Marble floor

Owner's Shower

Bath tub

Head and handheld showers

Sanitary accessories

Marble floor

Lower Deck

Guest Lobby

Washer/Dryer by Miele

Storage cabinet

Doors to double guest, twin guest, and VIP guest cabin

Wooden floor

Double Guest Cabins

Double Bed with side tables

Vanity table with chair

Wardrobe

Electric roman blinds with pleated blinds

Carpeted floor

Double Guest Bathrooms

Marble counter top with washbasin and mixer tap

Vanity mirror

Electric toilet

Bidet

Sanitary accessories

Glass door to shower room

Marble floor

Double Guest Showers

Head and handheld showers

Shower seat

Sanitary accessories

Marble floor

Twin Guest Cabins

Two single beds with side table

One pull man bed

Wardrobe

Electric roman blinds with pleated blinds

Carpeted floor

Twin Guest Bathrooms

Marble counter top with washbasin and mixer tap

Vanity mirror with storage cabinet

Electric toilet

Bidet

Sanitary accessories

Glass door to shower room

Marble floor

Twin Guest Showers

Head and handheld showers

Shower seat

Sanitary accessories

Marble floor

VIP Guest Cabin

Double Bed with side tables

Walk-in closet

Electric roman blinds with pleated blinds

Carpeted floor

VIP Guest Bathroom

Marble counter top with washbasin and mixer tap

Vanity mirror

Electric toilet

Sanitary accessories

Glass door to shower room

Marble floor

VIP Guest Shower

Handheld shower

Sanitary accessories

Marble floor

Crew Mess and Lounge

Corian counter top with bowl sink and mixer tap

Overhead cabinets

Under counter drawers and storage cabinets

Bar with three stools

Fridge-freezer combination by Miele

Microwave by Miele

Washer/Dryer by Miele

Doors to crew cabins

Watertight/Fire rated door to Engine room

Resilient tiles floor

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Crew Cabins

Two bunk beds

Wardrobe

Pleated blinds

Resilient tiles floor

Crew Bathrooms

Washbasin with mixer tap

Vanity mirror with cabinet

Electric toilet

Hand held showers

Floor with teak grating

Garage

Electrohydraulic crane for launching dinghy

Parking space for a 5 m dinghy

Teak decking

Supply Items

Retractable Boat Hooks

Eight Fenders F6, 11" x 42" by Polyform

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

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

Main Machinery and Equipment

Propulsion System

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

Twin reverse reduction gearbox by ZF

Twin propellers

Stabilization System

Electric Fin stabilizers with servo control unit

Exhaust and Ventilation System

Exhaust and ventilation reversible fans with fire dampers in engine room by C.E.M

Fire dampers for the engine room by C.E.M

Automatic fire dampers for galley and engine room by C.E.M

Exhaust blowers in all bathrooms by Silent

Steering System & Maneuvering

Electric steering system by CMC Marine

Electric bow thruster with 830 kgf thrust and 52kW electric motor by CMC Marine

Control Stations

Main helm station

Docking Station

Emergency steering station

Docking Station

Throttle Control

Bow thruster joystick

Engine control panel

Horn switch

Yacht Controller

Yacht controller for remote control maneuvering of Bow thruster

Emergency Steering

Steering Wheel

Rudder angle indicator

Anchoring and Mooring Equipment

Twin electric vertical windlasses AISI316L stainless steel 400VAC with chain length measurement display by Data hydrolik

Two digital chain counters on the main helm station

Two 152Kg SHHP Pool TW type anchors with 122m/ea. length and 16mm diameter stud link chain

Pressure washing of chain by fresh water outlet

Twin electric 24V DC AISI316L stainless steel 400VAC 3kW capstans with foot switches by Data hydrolik

Mooring lines 3 nos. 70m length/each with eye at one end

Horn

Compressed air horn with chrome finish on hardtop by Kahlenberg

Switches on main helm station and docking station

Air compressor and air tank for the horn and compressed air supply points by JUN-Air

Search Light

Forward search light by Francis

Control panel on main helm station

Yacht Systems

Fuel System

6,430 US gallons (24,340 liters) FRP fuel tanks with interconnection and fuel transfer system

Main AC fuel transfer pump by C.E.M

Emergency DC fuel transfer pump by C.E.M

Deck fillers inside recessed lockers on main deck side gunwale

Fuel polishing system by AXI connected to the fuel transfer system

AISI 316L stainless steel fuel transfer manifold

Lube Oil System

Two 75 US gallons (284 liters) FRP clean and dirty lube oil tanks

Main AC lube oil pump by C.E.M

Emergency manual lube oil pump by C.E.M

AISI 316L stainless steel lube oil manifold

Air Conditioning System

Two air conditioning chillers with the total cooling capacity of 384,000 BTU/hr by Climma

Fresh air system with two fresh air makeup units of 45000 BTU/hr each by Climma

Two sea water pumps by Calpeda

Two chilled water pumps by Calpeda

Air handler units with capacities ranging from 7,000 to 24,000 BTU/hr by Climma

Self-contained air handler units in the engine room and electrical room by Climma

Fresh Water System

1075 US gallons (4,069 liters) FRP fresh water tank

Two fresh water AC pumps, and an emergency DC pump by C.E.M

Two 200 liters water heaters by Quick

Two hot water circulation pumps by C.E.M

Two Water makers with 140 liters/hour production capacity by HP with sea water intake pumps

Deck wash connections in garage, main deck, upper deck, foredeck, and sundeck

Transom shower with hot and coldwater mixer

Dock connection for fresh water supply with pressure regulator

Fresh water piping is polybutylene

Grey Water System

260 US gallons (984 liters) FRP forward grey water tank

Deck out for overboard discharge to port/marina

Black and grey pumps interconnection

Polished AISI 316L stainless steel scuppers on all decks

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

Black Water System

260 US gallons (984 liters) FRP forward black water tank

Deck out for overboard discharge to port/marina

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

Sewage Treatment plant with treating capacity of 3500 liters/day by Selmar

Electric toilets by Tecma

Bilge System

Bilge suction strainers

Main Bilge pump connected to the Fire and Bilge manifold

High water bilge alarm panel in the wheel house. The alarms are audible and visual

Bilge system piping is AISI 316L stainless steel

Electrical System

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

DC voltage: 24V

Twin Northern Lights 230/400V AC, 55 kW, 3~phase generators with load distribution

Dockside cable master system by Glendinning

Main switch board (400V, 3~phase, 50 Hz)

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

Navigation system by Furuno

Two 17" navigational displays on main helm station

Magnetic compass by Ritchie

Two radar scanners by Furuno

GPS system by Furuno

Automatic Identification System by Furuno

Autopilot by Furuno

VHF Radio by Furuno

Night vision camera M324CS by Flir

Instrumentation

Two echo sounders for temperature, and depth measurement by Airmar

Two wind transducers integrated with instrument display on main helm station by Furuno

Lightning arrester

Doors and windows sensors integrated to the panel in wheel house

Camera Monitoring System

CCTV camera monitoring system with dome cameras by HIK vision at the following locations

Sundeck

Aft Cockpit

Gunnel port and starboard

Engine room forward and aft

Public Address System

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

Cathodic Protection

Zinc anodes

Copper plates

Navigation Lights

Following navigation lights by Lopolight 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 hardtop aft by Lumitec

Two flood lights on sundeck aft by Lumitec

Two flood lights on upper deck aft by Lumitec

Two flood lights on the foredeck flagpost by Lumitec

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Underwater Lights

Twelve LED white underwater lights by Ultimate Limited

Alarm and Monitoring System

Alarm and monitoring system automation system for monitoring and controlling the yacht.

Tank level, pumps start and stop, general alarm, fire alarm, power failure, engines exhaust gas temp, batteries power management, navigation lights control and monitoring, bilge alarm monitoring, garage gas detectors, and hatches and doors open/close monitoring is integrated

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 Tyco

Fire bells by thorn security

Warning light by Sunbeam

Fire Appliances

FM-200 fixed fire extinguishing system by Fire Boy

Main Fire pump by C.E.M, interconnected to the Fire and Bilge manifold

Emergency diesel pump by C.E.M

02 Kg Dry powder fire extinguishers by Firex

06 Kg Dry powder fire extinguishers by Firex

Five fire hydrant supply points are provided with fire hose reel of 20 m with jet spray nozzle on upper deck forward and aft, main deck aft, main deck lobby, guest lobby, and engine room

Sprinkler system and petrol fume detection system in garage

International shore connection with isolation valve and fire hydrant

Fire Control Plan for the guidance of the Master and Crew of the yacht

Life Saving Appliances and Means of Escape

Four life rafts each with 10 persons capacity by Ocean safety

Inflatable life jackets with light and whistle (23 adults) by Vikings

Inflatable life jackets (04 child) by Vikings

Two lifebuoys with light and smoke

Two lifebuoy with line

Two lifebuoys with light

One set of line throwing appliances by Pains wessex

MAJESTY YACHTS

Six rocket parachute flares

Emergency position indicating radio beacon by Mcmurdo

Search and rescue transponder by Mcmurdo

Two fireman's outfit by Flameguard

Two breathing apparatus by Scott

Grab bag

First aid kit

Two fire blankets

MAJESTY YACHTS

Entertainment System

Satellite Entertainment TV System TV8 by KVH. Two domes on hard top, one with the antenna, and other one as dummy

Sundeck

Four ceiling speakers by Bowers & Wilkins

Upper Deck Aft

Two ceiling speakers by Bowers & Wilkins

Upper Deck Forward

Four on-wall speakers by Bowers & Wilkins

Upper Deck Saloon

Samsung 55" UHD 4K Android TV

Four ceiling speakers by KEF

Satellite Receiver by Humax

Apple TV 4K 32GB

Media Hub

Captain's Cabin

Samsung 32" LED TV

Satellite Receiver by Humax

Media Hub

Wheel House

Stereo System with built-in Wifi by Fusion

Two ceiling speakers by KEF

Main Deck Aft

Four ceiling speakers by Bowers & Wilkins

Main Saloon & Dining

Samsung 55" UHD 4K Android TV with pop-up lift

Four ceiling speakers by KEF

Satellite Receiver by Humax

Apple TV 4K 32GB

Media Hub

Main Galley

One ceiling speaker by KEF

Owner's Cabin

Samsung 55" UHD 4K Android TV

Four ceiling speakers by KEF

Satellite Receiver by Humax

Apple TV 4K 32GB

Media Hub

Double Guest Cabins (Port & Stbd)

Samsung 40" UHD 4K Android TV

Two ceiling speakers by KEF

Satellite Receiver by Humax

Apple TV 4K 32GB

Media Hub

Twin Guest Cabins (Port & Stbd)

Samsung 32" LED TV

Two ceiling speakers by KEF

Satellite Receiver by Humax

Apple TV 4K 32GB

Media Hub

VIP Guest Cabin

Samsung 24" LED TV

Two ceiling speakers by KEF

Satellite Receiver by Humax

Apple TV 4K 32GB

Media Hub

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Crew Mess & Pantry

One ceiling speaker by KEF

Sound & Networking Equipment

Gateway Router by Peplink

Networking Switch device by Cisco

Indoor and Outdoor access points

Storage device with four 2TB hard drives by QNAP

HDMI splitter by Aten

HDMI extender by WyreStrom

Amplifier by Bang & Olufsen

Sonos connect in all accommodation areas

Audio Switcher by Shinybow

Apple iPad mini4 32GB

M120 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
2. Compliance with Maritime and Coast Guard Agency (MCA) Large Yacht Code LY3
3. Yacht name by Yachtlite
4. Aft search light by Francis
5. Awning on sundeck aft
6. Awning on upper deck forward
7. Awning on upper deck aft
8. PABX Intercom Telephone System by Panasonic
9. Thuraya satellite phone
10. Electrohydraulic crane with safe working load of 770 kg on foredeck by Nautical Structures
11. Shore power converter by Marpower
12. Electrohydraulic transformer with 5 steps and 1300 kg lifting capacity by Opacmare
13. Electrohydraulic Passarelle by Opacmare
14. Electric stern thruster by CMC Marine
15. Marquipt side mount ladder
16. Williams Diesel Jet 505
17. Cradle for tender