



MONTECARLOYACHTS

MONTE CARLO YACHTS 65

FLYBRIDGE

Technical Specification America Version

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1. Main Characteristics

Overall Length (LOA)	19.81 m	65''4' ft
Hull Length (LH)	18.20 m	63''4' ft
Maximum Beam	5.20 m	17''ft
Draft (full load)	1.40 m	4''62' ft
Height above waterline	7.38 m	24''4' ft
Load (dry)	28 t	
Load (full)	33 t	
Fresh water capacity	750 l	200 gals
Grey water capacity	300 l	80 gals
Black water capacity	250 l	66 gals
Fuel capacity	3.500 l	925 gals
Cruising speed (half load)	26 kn (with MAN V8 1000)	
Maximum speed (half load)	31 kn (with MAN V8 1000)	
Design Category	CE-A Design Category	

Every attempt has been made to give accurate information, but performance and range figures are estimates, given as guide only. Dirt or growth on the hull, tuning of the engines, size, make of the engines fitted, damages to propellers, temperature of air and water, sea and wind conditions, weight of fuel, water, stores, number of people, quality of fuel and other matters, extra equipment installed, can all affect considerably the boat's performance and range.

For these and other reasons, no guarantees on performance and range can be given and neither such guarantees constitutes an offer of contract or any representation or agreement or may otherwise relied upon.

2. Hull design and characteristics

MCY 64 has a planing hull, with a 15° deadrise angle along the entire bottom, deep "V" bow, with 6 iso-parametric spray rails.

Hull, deck and superstructure are made in sandwich lamination using only vinylester resin in the external skin to prevent osmosis phenomena and DCPD resin.

A bow crash box to improve the resistance to waves and impacts is provided. Furthermore, in that same area, the hull is reinforced by using kevlar lamination.

Structural bulkheads are in sandwich.

The other internal partition walls are built using LARICROSS composite materials.

The structural project of the hull is according to CE-Design Category A

3. Power and drive systems

Engines	MAN V8 1000 8 cylinders, 90° V design
	MAN V8 1200 8 cylinders, 90° V design
Gearbox	ZF 510 - 1 A Direct mount marine transmission
Shafts	Aquamet 22, diam. 80 mm
Propellers	NiBrAl alloy, four blades, 880 mm diameter
Rudders and	Steel, 0.25 sqm surface
Steering system	Power assisted steering system
Dual Station Bow Thruster	24V 10kW (210kgf)
Maneuvering system option:	Maneuvering joysticks (main helm and flybridge) for easy control at docking, with electronic control of bow thruster and engines (and stern thruster when option is installed)
Flaps:	Hydraulic Trim Tabs System
Option1 :	Humphree ATOS
Option2:	Humphree ATOS +BTOS+CTOS

4. Mooring

- 40 kg anchor with 70 m chain
- Reversible electric anchor winch, with foredeck, main helm and flybridge controls (controls on floor for up/down/capstain operation)
- Stem head roller with automatic anchor launch and retrieve
- Bow stainless steel protection
- Stainless steel bow fairleads with stainless steel protection
- Stainless steel bow, stern and 6 spring cleats (and additional 2 as option)
- Option: twin stern mooring electric winches
- Stern stainless steel fairleads with rollers

5. External layout and equipment

Flybridge

- External staircase with teak steps
- Option: teak floor
- Lights and perimeter courtesy lights
- Plexiglass and aluminum access hatch to flybridge

- Plexiglass and stainless steel windscreen
- Stainless steel protection pulpit and handrails
- Fiberglass radar mast, black painted, with aluminium wings supporting:
 - navigation lights,
 - radar and GPS antennas equipment,
 - TV antenna,
 - horn
 - lighting protection
 - flybridge lights
- Pilot console with navigation and engine control screens, including instrumentation as per paragraph.9, plus:
 - steering wheel in sky
 - main engines and reversing gear levers
 - key switches for port and starboard engines
 - rudder angle indicator
 - horn, windscreen wipers, rudder pump, anchor winch and chain counter, search light
 - panel with warning and alarms for monitoring system
- Helm Seat with storage
- C-shape sofa with cushions, decorative cushions and large capacity storages
- “L” sofa on port side, with cushions
- Teak table for 6 people with 2 stainless steel legs.
- Sunbathing aft platform
- Galley with sink, hot and cold water supply, fridge, ice maker and storages
- Barbecue grill (option)

Stern

- Bathing platform with:
 - hydraulic up/down lifting system – 600 kg max loading capacity
 - platform size suitable for a 3.25 m tender length
 - platform teak floor and teak grating
 - stainless steel fender bar with rubber insert reinforcement
- Foldable bathing ladder
- Water proof access hatch to engine room, and crew cabin
- Stern stairs to aft cockpit, with stainless steel handrails and hatches for shore power connection and stern platform shower (cold and hot supply)
- Option: electro-hydraulic concealed stainless steel gangway, with teak grating, automatic stations and courtesy LED lights

Aft cockpit

- Option: teak handrails on bulwark with stainless steel handrails
- Teak floor with perimeter courtesy lights
- Stainless steel and tempered glass fashion plates for lateral protection of the cockpit, with courtesy lights
- Saloon door in stainless steel and tempered glass

- Stainless steel and plexiglass gates to stern staircases
- Stern sofa with cushions and storage
- Teak table for 8 people with two stainless steel legs
- LED power and courtesy lights on ceiling
- Flush deck hatch for engine room

Sideways

- Option: teak floor with perimeter courtesy lights
- Storages covered with teak door and step, containing fresh water intake (on port side) and black and grey waste discharges (on starboard side)
- Option: teak handrails on bulwark with stainless steel handrails
- Stainless steel fender rubber with rubber insert reinforcement
- LED power lights on ceilings
- Tempered high thickness glass windows glued to the superstructure
- Window on starboard side (manual)
- Option: semi-automatic electric watertight door from saloon to starboard sideway, in lieu of manual window

Bow cockpit

- Chain locker in the anchor winch area, with:
 - two storages and handrails to fix fenders
 - chain guiding support
 - cold and hot water shower
- Teak floor with perimeter courtesy lights
- Flush deck hatch for VIP cabin emergency exit
- Sofas with cushions and storages
- Complete portuguese bridge with storages
- Stainless steel handrails
- Option: teak handrails on bulwark along the portuguese bridge
- Forward windscreen in sandwich tempered glass
- 2 electric windscreen wipers for forward windscreen

6. Internal layout and equipment

Main deck – saloon

- Cabinet with drawers on starboard side on starboard side.
- Electric panels along stairs to lower deck
- Dishware and cutlery storage
- Sofa on port side with sofa table
- Sofa on starboard side with foldable dining table
- Option: TV with up/down rotating lifting mechanism for a 40" LED full HD TV
- Direct LED lights on ceilings, indirect lights on ceiling
- Venetians blinds on port and starboard sides

- Electrical panel on starboard side
- Stairs to lower deck
- Galley on portside
- Electric venetian blinds (option)

Wheelhouse

- Instruments console
- Option: semi-automatic electric watertight door to access sideways
- Helm seats (for 2)
- Direct LED lights on ceilings (day and night navigation lights)
- Pilot station includes, further to the instrumentation as per paragraph.9:
 - Steering wheel in leather
 - Main engines and reversing gear levers
 - key switches for port and starboard engines
 - Rudder angle indicator
 - Horn, windscreen wipers, rudder pump, anchor winch and chain counter, search light, fire extinguisher controls

Galley

Working top with cooking top and stainless steel sink

- Storage under cooking top and sink
- Storage shelves
- Direct LED lights on ceilings

Equipment of galley includes:

- four induction hobs
- extractor
- combined oven
- fridge + freezer 190 liters total capacity
- option: dishwasher
- hanging furniture and cabinets
- option: front opening freezer + 260 liters fridge

Crew cabin

- Two beds with mattresses, bedspreads and pillows
- Wardrobe
- Direct LED lights on ceilings
- Opening porthole with mosquito net
- Storage underneath the bed
- Weather tight door to engine room
- Sink
- Mirror
- Cabinet

Crew bathroom

- Tecma WC
- Direct LED spotlights on ceiling
- Shower

Master cabin

- King size bed with mattress, bedspread and pillows
- Two nightstands
- Power LED indirect light and LED spotlights
- MCY design large windows with opening portholes and mosquito nets
- Chaise longue with cushions
- Venetians blinds on port and starboard sides
- 2 wardrobes with hanging bars
- Large storage and drawers on portside
- Vanity table with pouf- Carpet

En-suite bathroom

- Tecma WC
- Option: Tecma bidet
- Marble with two large size basins and floor
- Venetian blinds
- Mirror and cabinet

- Power LED indirect light and LED spotlights
- Separate shower room with:
 - mosaic tiles
 - shower column with central rain shower on the ceiling
 - LED lights on ceiling and in the shower
 - extractor

Guest cabin

- Twin beds with mattress, bedspreads, pillows and storage underneath
- One nightstand
- Two opening portholes with mosquito nets
- Power LED indirect light and LED spotlights
- Wardrobe with hanging bar, mirror and light
- Venetian blinds
- Carpet

Guest bathroom

- The guest head can be used as a day toilet with direct access also from the lower deck corridor.
- Tecma WC
- Sink
- Mirror
- Cabinet under the sink and behind

- Shower with circular box
- Opening porthole with mosquito net
- LED spotlights on ceiling and in the shower

VIP cabin

- Double bed with mattress, bedspread , pillows and storage underneath
- Two nightstands
- Wall reading lamps in leather
- Power LED indirect light and LED spotlights
- Four opening portholes with mosquito nets
- Wardrobes with hanging bar and light
- Emergency hatch on ceiling, with mosquito net
- Venetian blinds
- Carpet

VIP bathroom

- Tecma WC
- Sink
- Mirror
- Cabinet above and under the sink
- Shower with glass and steel door
- Shower column with central rain shower
- Opening porthole with mosquito net
- LED spotlights on ceiling and in the shower
- Power LED indirect light

7. Electrical system

General characteristics

The whole system has been carried out according to:

- 1) Directive 94/25/CE, amended by 2003/44/CE
- 2) EN ISO 10133:2000 “Small craft – Electrical systems – Extra-low-voltage d.c. Installations”
- 3) EN ISO 13297:2000 “Small craft – Electrical systems – Alternating current installation”
- 4) EN ISO 10134:2003 “Small craft – Electrical devices – Lightning protection systems”
- 5) EN ISO 16147:2002 “Small craft – Inboard diesel engines – Engine-mounted fuel and electrical components”

Voltage system as follows:

- 24V DC with grounded negative for:
 - Bilge systems
 - Steering systems
 - Internal / External lights

- Engine room lights
 - Navigation lights
 - Electronic monitoring system
 - Navigation systems
 - Emergency systems
 - Thrusters & Winches
 - Engine room ventilation
 - Other small utilities
- 230/110V AC, single phase, 60Hz for:
 - Air conditioning systems (option)
 - Galley appliances
 - Battery chargers
 - Electrical outlets
 - Entertainment systems
 - Other small utilities

Electrical panels

Main electrical control panels are installed in the:

- engine room
- wheelhouse

Secondary electrical panels are installed in all the areas of the yacht

Wiring / Conduits

Electrical wiring is housed in metal or self-extinguishing closed PVC conduits. Electrical wiring is developed with no flammable materials and with proper cross section related to the use

Ground equipments

- Ground system for all the water intakes, the aluminum structure, steel components, etc...
- Ground system for all the 230/110V AC equipments
- Lightning protection

The ground system is connected to:

- Stern and under hull zincs
- Porous copper plates under the hull

230/110V AC Power sources

Shore Power

- Two 230V AC, 50A shore inlets placed on stairs hatch – with glendenning master cable systems (option)
- AC power source run to the main electrical panel in the engine room.
- Power sources are protected by magneto/thermal breakers and isolation transformers

- Each shore power line has a multi-meter, to control all the electrical parameters (Volt, Amp, Watt, frequency)

Generator

One 23 kW Kohler generator, 230/110V AC, 60Hz, 12V DC starter, with sound shield box and electronic control panel located in the engine room.

AC power source run to the main electrical panel in the engine room

Power sources are protected by magneto/thermal switches

Generator has a multi-meter that control all the electrical parameters (Volt, Amp, Watt, frequency)

230/110V AC distribution

Each appliance is protected by magneto/thermal breakers

24V DC Power sources

Batteries

- Group of 24V AGM Mastervolt batteries for services
- Group of 24V AGM Mastervolt batteries for engines
- Group of 24V AGM Mastervolt batteries for anchor winch and bow thruster
- 12V AGM Mastervolt battery for generator
- Group of 24V AGM Mastervolt batteries for stern thruster (option)

Battery chargers

- 24V 100Amp Mastervolt battery charger for services / engine batteries
- 24V 30Amp Mastervolt battery charger for anchor winch and bow thruster batteries
- 12V 25Amp Mastervolt battery charger for generator
- 24V 30Amp Mastervolt battery charger for stern thruster (option)

Alternators

- 24V 120Amp alternator connected to service battery.
- 24V 120Amp alternator connected to anchor winch and bow thruster battery
- 2 x 24V 120Amp alternators connected to engine battery
- Generator alternator connected to the generator battery

8. Light System

Engine room

Spot lights 24V DC are installed to the ceiling of the engine room.

Engine room lights are connected to service batteries

Master, VIP and Guests cabin

- Power LED spotlights and strip power LED in the ceiling
- Courtesy strip LED around the bed and under the furniture
- Lights control close to the entrance door and near the bed

Saloon and galley

- Power LED spotlights in the ceiling
- Blue power LED spotlights in the dashboard ceiling (night navigation lights)
- Lights control close to the entrance door and near the stairs

Crew

- Power LED spotlights and strip power LED in the ceiling
- Courtesy LED under the bed
- Lights control close to the entrance door

Bathrooms

- Power LED spotlights and strip power LED in the ceiling
- Courtesy LED
- Lights and shower ventilation control close to the entrance door

Exteriors

- Power LED spotlights and strip power led in the aft cockpit ceiling and in the side walking ceiling
- Courtesy LED spotlights around the floor of the external deck and the floor of the fly bridge -

- Courtesy Power LED spotlights on the upper side of the fashion plates
- Power LED spotlights in the radar mast wings
- Lights control close to the entrance door and in the monitoring system

9. Electronics

Part of the following info are anticipated in par.5 (flybridge helm console) and par.6 (saloon main console)

Dashboard & Navigation Instruments

(Due to the continuous updating in the electronics market, the following electronics package may change at any time)

Hull

- N°1 Raymarine DT800 Depth / Temperature transducer

Wheelhouse

- 2x monitoring, navigation and engines control 10" displays (std)
- 2x monitoring, navigation and engines control 15" displays (option)
- 2x Raymarine ST70 displays
- 1x Raymarine GPM 400 G Series processor
- 1x Raymarine G Series keyboard
- Raymarine RAY 240E DSC VHF
- Flaps indicators
- Option: maneuvering joystick
- Magnetic compass

Flybridge

- 2x MAN CLC 6.5" displays for engines monitoring (including voltmeter, engine oil temperature, water temperature, engine revs, gearbox oil temperature, etc)
- 1x Raymarine G120 12" display
- 1x Raymarine ST70 display
- 1x Raymarine G Series compact keyboard
- Raymarine RAY 240E VHF repeater
- Flaps indicator
- Option: maneuvering joystick
- Magnetic compass

Radar Mast

- 1x Raymarine PB200 weather station / GPS antenna
- 1x Raymarine radar antenna radome 4 KW digital

Monitoring System

Saloon dashboard display

- 2 x 10" (15" option) touch screen displays with connection to Raymarine GPM processor and engines monitoring
- External and engine room temperature indicators
- Alarms and manual controls for bilge system
- Fresh, Grey and Black water level indicators and alarms with discharge control systems
- Fuel level indicators and alarms with engines consumption indication, water in Racor filters indicator (option), fuel valve ON/OFF indicator
- Service battery indicators (Volt, Amp IN/OUT, Charge level)
- Engine battery switch control and voltage indicator
- Bow thruster and anchor winch battery switch control and voltage indicator
- Stern thruster battery switch control and voltage indicator (option)
- Generator battery switch control, voltage indicator, Start/Stop control, fuel valve ON/OFF indicator, water in Racor filter indicator (option)
- Engine room ventilation alarms and control
- 230V AC Source selection page with Volt, Amp, Watt, frequency, phase indicators
- 230V AC main breaker status indicators
- 230V AC overload and load shedding system
- Navigation lights status (ON/OFF) and alarms indicators
- Owner's manual pages viewer
- Fly dashboard acoustic alarm activation
- Fly dashboard optical alarm activation

Fly dashboard indicators

- Acoustic remote alarm
- Optical remote alarm

Emergency operation panel (included into 24V saloon panel)

- Bilge pump alarm indicator and manual switch
- VHF power supply selection

10. Entertainment system

(Monte Carlo Yachts maintains an exceptionally strong commitment to research and incorporate new technologies on board its yachts.

Please consider that, due to the continuous updating on this market, changes may be periodically made to improve or change Home Entertainment products, at any time and without notice).

Saloon:	Option: 40" Edge LED full HD TV with up/down lift Option: Home Theatre Bose Lifestyle V-Class Option: DVD player
Owner Cabin:	Option: 32" Edge LED full HD TV Option: Home Theatre Bose Lifestyle V-Class Option: DVD player
VIP Cabin:	Option: 26" Edge LED full HD TV Option: DVD player
Guest Cabin:	Option: 20" Edge LED full HD TV Option: DVD player
Aft Cockpit:	Standard: Two External Loudspeakers (with remote control) Option: Two Bose External Loudspeakers (with remote control)
Bow Sun pad Area:	Radio CD player (with remote control) Four External Loudspeakers
Fly bridge:	Radio CD player (with remote control) Two External Loudspeakers .

11. Fire extinguishers

6x powder 1 kg extinguishers.

FM200 Seafire system in the engine room with alarm sensor and automatic shut down

12. Fuel system

2x stainless steel tanks, for a total capacity of 925 US gals (3.500 l).

Each tank is provided with stainless steel breather pipe and electric sensor for level monitoring.

Fuel tank levels are visible on the electronic monitoring system LCD screens at the wheelhouse dashboard operating with a safety magnetic system.

Fuel filling operation is carried out through inlets placed on each deck side.

13. Black and grey water system

1x grey water tank with 80 US gals (300 l) capacity.

1x black water tank with 66 US gals (250 l) capacity.

Grey and black water tank levels are visible on the electronic management system LCD screens at the wheelhouse dashboard.

Tank's emptying has automatic or manual outboard through 2 dedicated electric pumps.

14. Bilge system

Centralized system with suction in each compartment connected to the main collector positioned in the engine room

24 V DC electric pump with controller in main helm on the electronic monitoring system

Emergency manual pump in the engine room.

24V automatic bilge pumps.

High capacity emergency bilge pump in engine room through engine sea intakes and water pump.

Bilge level alarm.

15. Fresh water system

Fresh water system is fed by tanks in the midship bilge (capacity 200 US gals - 750 l) or by the shore connection on stern.

Water tank levels are visible on the electronic monitoring system LCD screens at the wheelhouse dashboard.

2x 16 US gals (60 l) water heaters

16. Sea water system

4x main brass sea water intakes with valves and filters: 2 for the engines, 1 for the generator and 1 for general utility.

Chain washing with sea water supplied by an electric pump positioned under the floor of VIP cabin

17. Air conditioning

Cruisair air conditioning system with reverse cycle (cool and heat) (option)

18. Venting and extraction system

Interiors ventilation

Centralized system for toilet air extractors. Galley extractor

Engine Room Ventilation

Engine room ventilation system:

- 2x electrical ventilators 24V DC

- 2x electrical extractor 24V DC

Engine room ventilation system control is connected to the engine keys and to the electronic monitoring system.

19. Insulation

Hull and deck sandwich lamination together with absorbent, sound-proofing and heat insulation materials guarantee high level of noise reduction and thermal insulation.

Interiors ceilings and floorings are soft mounted through vibration absorbers materials and system in order to maximize vibrations and noise reduction.

Complete noise and thermal insulation of engine room through insulation materials, covered with aluminum sandwich finishing walls.

20. Additional equipment supplied as standard

mooring ropes

6 fenders

Dishware, glassware and cutlery for 6 people

Towel sets for bathrooms, with MCY logo

Owner's manual (with electronic copy available through the electronic monitoring system)