

MAJESTY 77

TECHNICAL SPECIFICATIONS

Please note this is the technical specifications of Majesty 77. The right is reserved to add, modify or delete during the final product development programme.

MAJESTY YACHTS

by 

Principal Characteristics

Length overall	77 ft (23.707 m)
Length water line	65 ft 2 in (19.868 m)
Beam	19 ft 8 in (5.990 m)
Draft	4 ft 1 in (1.25 m)
Displacement	50 t approximately
Fuel capacity	2,000 US gal (7,600 l)
Fresh water capacity	300 US gal (1,140 l)
Black water capacity	75 US gal (283 l)
Grey water capacity	75 US gal (283 l)
Generator	33 kW, 50 Hz
Engines	2 x1,550 Bhp, 2,300 rpm
Vessel type	FRP luxury motor yacht

Specifications Overview

- Power assisted electro hydraulic steering system
- Bow thruster 15 hp, 24 VDC
- Stern thruster 13hp, 24 VDC (optional)
- 24V DC and 380/220 VAC electrical system
- 3-phase shore power dockside connection (100A) with 25 m length cable
- Generator 33 kW, 380/220 VAC, 50 Hz
- Generator 11kW, 380/220 VAC, 50 Hz (optional)
- Anchor 50kg with chain diameter 12 mm, length 100 m
- Electric anchor winch with dual stations controls
- Dual station electric trim tabs controls with gauges
- Dual station autopilot
- Dual station VHF radio
- Search light with dual station controls
- Stainless steel framed Saloon door
- Chilled water air conditioning system with capacity 148,000 Btu
- Full height refrigerator in galley
- Flybridge electric barbeque
- Flybridge wet bar including sink
- Flybridge Refrigerator
- Flybridge upholstered sofa seats, table
- Electric quiet flush toilets
- Saloon and owner cabin LED TV / DVD home theater system
- Stainless steel transom doors with signage 77
- Stainless steel railings
- Hot and cold water transom shower
- Fresh water deck wash connections at aft swim platform and forward area
- 6 x stainless steel deck cleats two on aft cockpit, two on bow and two on mid ship
- 4 x hawser pipes, two on aft cockpit and two on forward
- 2 x propellers, 5- bladed, AB2 material
- 2 x duplex steel tail shafts
- Full length transom platform with tender storage facilities
- Pressurized hot and cold water system

- Electric water heater capacity 50 l
- Fixed fire extinguishing system in engine room
- Stainless steel framed port holes with clear safety glass
- Marble flooring and counter top in kitchens and bathrooms (optional)
- Water maker capacity 140 l/h, 220/240 VAC, 50 Hz (optional)
- Crane 650 kg capacity (optional)
- Camera monitoring system (optional)
- Port and starboard side capstans at rear deck (optional)
- Sun top with canvas (optional)
- Life raft 8 persons (optional)
- Teak decking on fly-bridge and gunnel area (optional)
- Passerella (optional)
- Under water lights (optional)
- KVH Tracvision M7 with Gyrotrac SAT TV SYST+1 RCVR+STAND (optional)

Construction

- Hand laid-up unidirectional fiberglass with Balsa fills cored hull, deck and flybridge
- Solid fiberglass laminates keel and chines
- Foam core reinforced stringer system
- Vacuum infusion divynycell foam sheet main bulkheads
- All materials used in the construction are approved marine quality
- Basic hull color: white

Deck fittings

- Electric anchor winch with fore deck, main helm and fly-bridge helm controls
- Stainless steel bow roller for anchor launch and retrieve
- Anchor 50 kg with chain 12 mm diameter, 100 m length
- Deck hatch access to chain locker
- Stainless steel hand rails
- Foredeck hatch to VIP cabin
- Full set of navigation lights
- Search light with dual station controls
- Double trumpet electric horn
- Black tank over board discharge on side deck
- Fuel and water fillers on side
- Sun bed recess at forward area
- 6 x mooring cleats at two on forward, two on aft cockpit and two on amidships
- Stainless steel guard rails

- Port and Starboard side windows
- Full drop pilot side windows (port and starboard side)
- Front wind screen
- Wind screen wipers with fresh water wash system
- 4 x hawser pipes at two on aft cockpit and two on forward area
- Search light with dual station controls
- LED lighting around side deck

Aft cockpit

- Fixed teak table with stainless steel bases.
- Upholstered seating
- Hot and cold water transom shower
- Deck wash outlet
- Storage within aft seat moulding
- 3-Phase, 380 VAC, 100 A shore power inlet cable
- Lockable water tight entrance door to crew cabin
- Self draining
- Cockpit ceiling lights
- Stainless steel handrails
- Integral stairway to flybridge
- S.S Transom doors leading to swim platform
- Steps down to bathing platform
- Hydraulic swim ladder
- Locker with engine room fixed fire extinguisher pull-out pin cable, Port and Starboard side fire dampers pull-out pin cable, Fuel shut off valve pull-out pin cable, Fire pump ON/OFF switch, Engine room exhaust emergency stop switch
- Locker with isolation switches of machinery batteries, house batteries and house/engine interconnection switch, house/machinery interconnection switch
- Locker with fire hydrant valve, fire hose reel and nozzle
- Locker on port and starboard side for mooring rope storage
- LED lighting to fly-bridge staircase
- Stainless steel framed sliding door to main saloon
- Port and Starboard side capstans at rear deck (optional)

Flybridge

- Sink and tap with hot and cold water supply
- Wet bar
- Electric Barbeque
- Refrigerator
- Stairway from aft cockpit
- Upholstered helm seat
- Upholstered exterior sofa seats and table
- Wind deflector screen
- Stainless steel handrails
- FRP Radar arch
- Stainless steel Mast stand
- Navigation equipments
- Sun top with canvas (optional)
- Storage under the sofa seats
- Self draining
- S.S Life rings stand
- Lighting on underside of radar arch

Flybridge helm

- Flybridge helm instruments and controls
 - Steering wheel
 - Magnetic compass
 - Port and Starboard engines displays
 - Trim tab gauge
 - Port and Starboard engine, warning, diagnostic, shutdown and ignition controls
 - Rudder angle gauge
 - Engine throttle
 - Bow thruster control
 - Stern thruster control (optional)
 - Auto pilot display unit
 - Navigation display
 - Horn switch
 - Gauge light switch
 - Trim tab switch
 - Anchor winch switch
 - Search light switch
 - VHF hand set

Main helm

- Main helm instruments and controls
 - Steering wheel
 - Engine room exhaust fan control switch
 - Bilge alarm switch panel
 - Port and Starboard engines displays
 - Trim tab gauge
 - Navigation display unit
 - Magnetic compass
 - Rudder angle gauge
 - HMI alarm system
 - Sliding window control switch
 - Wind shield wiper controls
 - Bow thruster control switch
 - Stern thruster control (optional)
 - Autopilot
 - Engine throttle
 - Port and Starboard engine warning, diagnostic, shutdown and ignition controls
 - Trim tab switches
 - Anchor winch switch
 - Bilge pump switches
 - Navigation switches of horn, anchor light, navigation light, pilot house light, gauge light
 - Forward search light switch
 - Search light selector switch
 - Pilot house A/C unit control switch
 - Hydraulic steering switch panel

Engine room equipments

- 2 x main engines
- Generator
- Under water exhaust system with bypass to transom
- Air conditioning chillers
- Chillers control panels
- Sea water and chiller water pumps
- Fixed fire extinguishers system
- Portable fire extinguishers

- 3 x bilge pumps
- Exhaust fan
- Intakes for air circulation
- Oil exchange system for engines/generators
- Flexible mountings for engines
- Ventilation openings are equipped with fire flaps
- Siren
- Fire bell
- Sea water cooling system for generators and engines
- Temperature sensors on water jackets
- FRP exhaust mufflers
- Fresh water out lets
- Lighting switches and AC sockets
- Lockable water/gas tight door
- Main electrical panels
- Tank sentry monitoring panels
- Ceiling, sides and bulkheads of engine room are completely insulated with sound proofing and heat insulated materials

Electrical system

- 380/220 V, 3-phase, 50 Hz electrical system
- Main power supplied by generator 33 kW, 50 Hz, 380/220 VAC
- 3-phase dockside connection (100 A) with cable
- 2 x 12 V, 200 Ah batteries for port side engine
- 2 x 12 V, 200 Ah batteries for starboard side engine
- 2 x 12 V, 200 Ah batteries for house
- 2 x 12 V, 200 Ah batteries for machinery
- 2 x 12 V, 100 Ah batteries for generator
- Port and starboard engines battery banks interconnection switch panel
- Batteries are charged by two battery chargers
 - 80 A, 24 V battery charger for port and starboard engines batteries
 - 100 A, 24 V battery charger for house and machinery batteries
- Main switch board system equipped with magnetic contactors, overload protections and short circuit protections and polarity indication
- Outgoing circuits protected by circuit breakers

- Secondary distribution panels are placed at:
 - Main deck (stair case)
 - Lower deck (passage)
- Tank sensors for all tanks
- 220 VAC power outlets in all cabins
- All sea cocks under the water line are grounded

Entertainment system

Main saloon:

- 40" LED TV
- DVD home theater system
- Satellite receiver

Owner cabin:

- 32" LED TV
- DVD Home theater system
- Satellite receiver

Aft cockpit:

- 2 x Ceiling speakers

Flybridge:

- 2 x Ceiling speakers

Port guest cabin: (optional)

- LED TV
- DVD player
- Satellite receiver

Starboard guest cabin: (optional)

- LED TV
- DVD player
- Satellite receiver

VIP cabin: (optional)

- LED TV
- DVD player
- Satellite receiver

Power and drive systems

- Power assisted electro hydraulic steering system
- Bow thruster 15hp with dual station controls
- Stern thruster 13hp with dual station controls (optional)
- Direct shaft drive through tunnel
- 2x Propellers, 5-bladed, AB2 material
- 2 x Bronze P-brackets
- 2 x Bronze Rudders
- 2 x Stainless steel shafts
- 2 x Hydraulic trim tabs
- Seawater strainers for main engines
- Cathodic protection provided by cross bonded zinc anodes

Fire extinguishing system

- Fixed fire extinguisher in engine room connected with pull cable to cockpit
- Hand operated portable fire extinguishers installed for immediate use in all cabins
 - Owner's cabin
 - VIP cabin
 - Port side guest cabin
 - Starboard side guest cabin
 - Main console
 - Galley
 - Crew cabin
 - Captain cabin
 - Engine room
 - Flybridge
- Mechanical pump for fire purpose
- Fire hydrant valves with hose reel and nozzles at:
 - Lower deck (corridor)
 - Galley
 - Aft cockpit (starboard side)

Bilge system

- Bilge water high level alarm system
- Automatic bilge pumps to be fitted in all water tight compartments with automatic float switches.
- Automatic electric bilge pumps (2000 GPH) fitted at each water tight compartment located beneath the following area,

- VIP cabin
- Corridor
- Owner's cabin
- 3 x Engine room
- Crew cabin
- Rudder compartment

Fuel system

- Total fuel capacity 2000 US gal (7600 l)
 - Port side fuel tank capacity 875 US gal (3312 l)
 - Starboard side fuel tank capacity 875 US gal (3312 l)
 - Fuel day tank capacity 250 US gal (946 l)
- Fuel level monitoring panels located at engine room
- Fuel fillers on port and starboard side decks
- High capacity fuel filters for generator and engines
- Manual fuel shutoff valve with pull-out pin cable fitted at aft cockpit
- Isolation valves to fuel manifold
- Interconnection fuel lines are made of stainless steel
- All tanks provided with manhole covers, ventilation pipes and connection pipes to manifold
- Manual and electric pump lubricating oil change system for engines and generators

Fresh water system

- Water tank capacity 300 US gal (1140 l)
- Pressurized hot and cold water system
- 24Vdc fresh water pump
- 220Vac fresh water pump
- Water heater capacity 50 l
- Water heated by 220VAC immersion heater for hot water
- Pump circuit breaker at main switch panel
- Water level monitoring panel in engine room
- Water fillers on side deck
- 26mm Geberit Mepla piping throughout supplying all outlets
- 32mm Geberit Mepla piping from tank to manifold
- Dock connection for shore water supply on aft swimming platform with pressure regulator
- Fresh water deck wash connection at aft swim platform and forward area

Black water and grey water system

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- Black water tank capacity 75 US gal (283 l)
- Grey water tank capacity 75 US gal (283 l)
- Electric Tecma toilets
- Automatic/manual control system for black and grey water pumps
- Black and grey water pumps works on 24VDC
- Black and grey water level monitoring panels located in engine room
- Black water tank overboard discharge on side deck
- All plumbing lines are uPVC pipes and flexible hoses
- Electric tank sensors

Air conditioning system

- Chilled water air conditioning system with capacity 148000 Btu
- All compressors on 220VAC, 1-phase
- All air handlers on 220VAC, 1- phase
- 2 x chiller water pumps
- 2 x Sea water pumps for chillers
- Plumbing lines are PVC pipes
- Plumbing lines are well insulated
- Air conditioning control switches in all cabins
- Air conditioning chillers are placed in the engine room

❖ Interior specifications

Main deck

Saloon

- Stainless steel framed sliding door to cockpit
- Port and Starboard side sofa seats
- Coffee tables
- Windows with curtains
- TV table
- S.S. Railings
- LED decorative lighting
- Architectural lighting
- Lighting switches and AC sockets
- Air conditioning with control switch
- Fitted carpet

- Steps to dining area

Dining area

- Dining table
- 6 x Dining chairs
- Cabinets with doors and drawers
- Side windows with curtains
- Lockable water tight side pantograph door to side deck
- Wooden flooring
- Architectural lighting
- Lighting switches and AC sockets
- Air conditioning with control switch

Pantry

- Counter top
- Stainless steel sink and tap with hot cold water supply
- Cabinets with doors and drawers
- Bottle and glass stowage
- Refrigerator
- Ice maker
- Microwave oven
- Windows with curtains
- Stainless steel railings
- "U" shaped sofa seat
- Table
- Stairs to lower deck cabins
- LED lighting to steps
- Architectural lighting
- Lighting switches and sockets
- Air conditioning with control switch

Corridor

- Teak floor steps to lower cabins
- Stainless steel hand rail
- Distribution breaker panels locker
- Steps to owner's cabin
- Fitted carpet
- Fire hydrant valve with hose reel and nozzle

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- LED lighting to steps
- Architectural lighting
- Lighting switches and AC sockets

Owner's cabin

- Full beam cabin with triple vertical portholes each side (one opening)
- Large double bed with mattress, pillows and bedspread
- Bed side tables with shelves
- Shelves with stainless steel railing
- Port and Starboard side wardrobe with shelves
- Sofa seat
- Desk
- Storage under the bed
- Refrigerator
- Portholes with curtains
- LED rope lighting under the bed
- Reading lights
- Architectural lighting
- Lighting switches and AC sockets
- Air conditioning with control switch
- Fitted carpet
- Entrance door to ensuite
- Entrance door to dressing room

Owner's bathroom

- Counter top
- 2 x Wash basins and taps with hot and cold water supply
- Storage lockers and drawers
- Mirror side storage locker with shelves
- Mirrors
- Port hole with blinds
- Extractor fan
- Electric toilet
- Bidet
- Complete set of sanitary accessories (tooth brush holder, soap holder, brush holder, towel hook and towel rail)

- Marble flooring (optional)
- Glass doors to shower room
- Hot and cold water shower mixer
- Sky shower
- LED rope lighting in shower room
- Architectural lighting
- Lighting switches and AC sockets

Dressing room

- Drawers for storage
- Shelves
- Full height mirror
- Architectural lighting
- Lighting switches and AC sockets
- Wardrobe
- Fitted carpet

Port guest cabin

- 2 x Single beds with mattress, pillows and bedspreads
- Bed side table
- Drawer to bed
- Wardrobe
- Port hole with curtain
- Reading lights
- Architectural lighting
- LED decorative lighting
- Lighting switches and AC sockets
- Air conditioning with control switch
- Fitted carpet

Port guest bathroom

- Counter top
- Wash basin and tap with hot and cold water supply
- Electric toilet
- Hot and cold water shower mixer

- Sky shower
- Extractor fan
- Glass door to shower room
- Porthole with blinds
- Complete set of sanitary accessories (tooth brush holder, soap holder, brush holder, towel hook and towel rail)
- Mirror
- Storage locker and shelves
- Marble flooring (optional)
- Architectural lighting
- LED decorative lighting
- Lighting switches and AC sockets

Starboard guest cabin

- 2 x Single beds with mattress, pillows and bedspreads
- Bed side table
- Wardrobe
- Port hole with curtain
- LED decorative lighting
- Reading lights
- Architectural lighting
- Lighting switches and AC sockets
- Air conditioning with control switch
- Fitted carpet
- Entrance door to ensuite

Starboard guest bathroom

- Counter top
- Wash basin and tap with hot and cold water supply
- Electric toilet
- Hot and cold water shower mixer
- Sky shower
- Extractor fan
- Glass door to shower room
- Porthole with blinds

- Complete set of sanitary accessories (tooth brush holder, soap holder, brush holder, towel hook and towel rail)
- Mirror
- Storage locker and shelves
- Marble flooring (optional)
- LED decorative lighting
- Architectural lighting
- Lighting switches and AC sockets
- Fitted carpet
- Entrance door to ensuite

VIP guest cabin

- Large double bed with mattress, pillows and bedspreads
- Bed side tables
- Deck hatch with fly screen and blind
- Port and Star board side wardrobe
- Shelves
- Desk and stool
- Drawer to bed
- Portholes with curtains
- Storage space under the bed
- LED decorative lighting
- Reading lights
- Architectural lighting
- Lighting switches and AC sockets
- Air conditioning with control switch
- Fitted carpet
- Entrance door to ensuite

VIP guest bathroom

- Counter top
- Wash basin and tap with hot and cold water supply
- Electric toilet
- Hot and cold water shower mixer
- Sky shower

- Extractor fan
- Glass door to shower room
- Complete set of sanitary accessories (tooth brush holder, soap holder, brush holder, towel hook and towel rail)
- Mirror
- Storage locker and shelves
- Marble flooring (optional)
- LED decorative lighting
- Architectural lighting
- Lighting switches and AC sockets

Galley

- Corian counter top
- S.S Sink and tap with hot and cold water supply
- Storage lockers and drawers
- Overhead lockers
- Full height refrigerator
- 4 – Burner hot plate
- Hob rail
- Microwave oven
- Dish washer
- Cooker hood
- Washing machine
- Oven
- Cupboard with corian top
- Stairs to main saloon
- Lockable water tight door leading to swim platform
- Lockable water/gas tight door to engine room
- Port hole with blinds
- Steps to swim platform
- Architectural lighting
- Lighting switches and AC sockets
- Air conditioning with control switch
- Entrance door to crew cabin
- Entrance door to crew cabin
- Vinyl flooring

Crew cabin 01

- 2 x Single bunk beds with mattress, pillows and bedspreads
- Port hole with curtains
- Entrance door to toilet
- Reading lights
- Architectural lighting
- Lighting switches and AC sockets
- Air conditioning with control switch
- Wardrobe with shelves
- Vinyl flooring

Crew cabin 02

- 2 x Single bunk beds with mattress, pillows and bedspreads
- Storage space under the bed
- Wardrobe with shelves
- Entrance door to toilet
- Air conditioning with control switch
- Reading lights
- Architectural lighting
- Lighting switches and AC sockets
- Vinyl flooring

Crew 01 & 02 ensuite

- Corian counter top
- S.S. Sink and tap with hot and cold water supply
- Storage locker
- Electric toilet
- Extractor fan
- Hot and cold water shower mixer
- Sky shower
- Mirrors to doors
- Complete set of sanitary accessories (tooth brush holder, soap holder, paper holder, brush holder, towel rail, towel hook)
- Mirror

- Port hole with curtain
- Architectural lighting
- Lighting switches and AC sockets
- Vinyl flooring

Miscellaneous

- 6 x Fenders
- First Aid kit
- Fire blanket
- Tool kit
- 14mm Rope 100 feet
- 2 x Boat hooks
- 2 x Life rings
- 8 x Life jackets