

MAJESTY 101

TECHNICAL SPECIFICATIONS

Please note this is the technical specifications of Majesty 101. The right is reserved to add, modify or delete during the final product development programme.

MAJESTY YACHTS

by 

Principal characteristics

Length overall	101 ft (30.785 m)
Length water line	85 ft 09 in (26.137 m)
Beam	21 ft 04 in (6.503 m)
Draft	3 ft 06 in (1.066 m)
Displacement	91 t approximately
Fuel capacity	4,000 US gal (15,141.64 l)
Fresh water capacity	800 US gal (3,028.32 l)
Black water capacity	100 US gal (378.54 l)
Grey water capacity	100 US gal (378.54 l)
Generators	2 x 51.5 kW, 50Hz
Engines	2 x 1,800 hp 2 x 1,925 hp
Speed approximately	30 kn
Vessel type	FRP luxury motor yacht

Specifications Overview

- Power assisted electro hydraulic steering system
- Hydraulic bow thruster 50 hp
- Stern thruster 15 hp (optional)
- 24 VDC and 380/220VAC electrical system
- 3-phase shore power dockside connection (100 A) with 25 m length cable and cable master system
- 2 x generators 380V, 51.5 kW, 50 Hz
- Anchor 81kg with chain 14 mm diameter, 110 m length
- Hydraulic windlass with dual station controls
- Dual station electro hydraulic trim tabs controls with gauges
- Dual station autopilot
- Dual station VHF radio
- Dual stations forward and aft search lights controls
- Stainless steel framed saloon door
- Full height refrigerator in galley
- Fly-bridge electric barbeque
- Fly-bridge wet bar including sink
- Fly-bridge refrigerator and ice maker
- Fly-bridge upholstered sofa seats, table and sun bed
- Electric quiet flush toilets
- Entertainment system
- Stainless steel transom doors with signage 101
- Fresh water deck wash connections at swim platform and forward area
- AISI 316L stainless steel stanchions and guard railings
- Full length transom platform with tender storage facilities
- 4 x stainless steel cleats at two on aft cockpit and two on forward area
- 6 x hawser pipes at two on aft cockpit, two on mid ship and two on bow area
- 2 x propellers, 5-bladed, AB2 material
- 2 x stainless steel shafts
- Pressurized hot and cold water system
- Hot and cold water transom shower
- Water maker capacity 140 l/h, 220-240 V, 50 Hz
- Chilled water air cooling system with capacity 2,60,000 Btu
- 2 x electric water heater (each capacity 60 l)

- Teak laid deck on cockpit, transom platform and fly-bridge stair way
- Teak decking on fly-bridge (optional)
- Fire detection system in all cabins
- Fixed fire extinguishing system in engine room
- Stainless steel framed portholes with clear safety glass
- Stabilizing system (optional)
- Port and starboard side capstan at rear deck (optional)
- Crane 600 kg capacity (optional)
- Camera monitoring system (optional)
- KVH Track vision G8 satellite TV system (optional)
- Marble flooring and counter top in kitchen, bath rooms and bar (optional)
- Under water lights (optional)
- THURAYA satellite Phone/Fax (optional)
- Hydraulic passerella (optional)

Hull and superstructure construction

- Hull : Sandwich
- Frames : Closed cell foam
- Outer Skin & Inner Skin : Solid glass
- Superstructure Outside : Sandwich
- Resin : Isopathalic polyester resin
- Hand laid-up unidirectional fiberglass with balsa fill cored hull, deck and fly-bridge
- Solid fiberglass laminate keel and chines,
- Foam core reinforced stringer system
- Vacuum infusion divinycell foam sheet main bulkheads
- Basic hull color: white

Deck fittings

- Teak laid deck, cockpit, transom platform and fly-bridge stairway
- Electro hydraulic anchor winch with fore deck, main helm and fly-bridge controls
- Stainless steel bow roller for automatic anchor launch and retrieve
- Anchor 81kg with chain 14 mm diameters, 110 m length
- Deck hatch access to chain locker
- Foredeck hatch to VIP bathroom
- Full set of navigation lights
- Search light with dual station controls
- Double trumpet electric air horn

- Black tank over board discharge on side deck
- Fuel and fresh water fillers on side deck
- Stainless steel guard rails
- Port and starboard side windows
- Front wind screen
- Wind screen wipers with fresh water wash system
- 4 x deck cleats, two on forward area and two on aft cockpit
- 6 x hawser pipes, two on forward, two on aft cockpit and two on amidships
- Search light
- Lighting around side deck
- Fresh water deck wash outlets at forward and aft cockpit
- Forward exterior sofa seat and table
- Side pantograph doors one on port side and one on starboard side
- Name board with LED lighting

Aft cockpit

- Stainless steel framed sliding door to main saloon
- Teak table with stainless steel bases
- Upholstered sofa seats
- Storage within aft seat moulding
- Stainless steel stanchions
- Integral stairway to fly-bridge
- Lockable water tight door to crew cabin
- Stainless steel transom doors with signage 101
- Steps down to bathing platform
- Hot and cold water transom shower
- Deck wash
- Bulwark doors on port and starboard side
- Locker with port and starboard side fire dampers pull-out pins, engine room fire extinguisher pull-out pin and fuel shutoff valve pull-out pin cable
- Locker with engine room exhaust fan emergency stop button, fire pumps ON/OFF switch, lighting switches and batteries interconnection switches
- Locker with fire hydrant valve, fire hose reel and nozzle
- 220 VAC socket
- LED ceiling lights
- LED lighting to fly-bridge staircase
- Self draining

Fly-bridge

- Stainless steel framed sliding door to wheel house
- Stairway from aft cockpit
- Wind deflector screen
- Fully fitted wet bar with corian top
- Stainless steel sink and tap with hot and cold water supply
- Electric barbeque
- Refrigerator
- Ice maker
- 2 x bar stools
- Upholstered sofa seating on port and starboard side
- 3 x tables with stainless steel bases
- Storage under sofa seats
- Upholstered helm seat
- FRP hard top
- Lighting on underside of hard top
- Stainless steel stanchions to hard top
- Stainless steel railings
- Stainless steel life rings stand
- Water proof lighting switches and sockets
- Self draining
- Sun pad
- Jacuzzi
- LED lighting

Fly-bridge helm

- Fly-bridge helm instruments and controls
 - Steering wheel
 - Port and starboard engines displays
 - Trim tab gauge
 - Rudder angle gauge
 - Winch control panel
 - Forward and aft search light switch
 - Trim tab switches
 - Bow thruster control
 - Stern thruster control (optional)

- Navigation displays
- Port and starboard engines diagnostic, shutdown and ignition keys
- Engine throttle
- Auto pilot display
- Auto pilot control head
- VHF hand set
- Magnetic compass
- Switches of flood light, fly-bridge ceiling lights, gauge lights, deck lights and horn

Wheel house helm

- Main helm position instruments and controls
 - Steering wheel
 - Engine room exhaust fan control switch
 - Bilge alarm switch panel
 - Navigation display units
 - Port and starboard engine alarm display
 - Trim tab gauge
 - Magnetic compass
 - Rudder angle gauge
 - HMI alarm system
 - Wind shield wiper controls
 - Bow thruster control switch
 - Stern thruster control switch (optional)
 - Auto pilot display
 - Auto pilot control head
 - Engine throttle
 - Port and starboard engine warning, ignition, diagnostic, shutdown controls
 - Trim tab control switches
 - Anchor winch chain counter display
 - Bilge pump switches
 - Navigation switches of horn, anchor light, navigation light, pilot house light, dash board light, under water lights, name board light and gauge light
 - Search light switches
 - Forward and aft search light selector switches and control switches
 - Wheel house A/C unit control switch
 - Hydraulic steering switch panel
 - VHF radio

- 220 VAC sockets

Engine room

- 2 x main engines
- 2 x generators
- Underwater exhaust system with bypass to transom
- Air conditioning chillers on port and starboard side
- Port and starboard side chillers control panels
- Fixed fire extinguishers system
- Exhaust fan and ASD adjustable speed drive
- Fire dampers
- Intakes for air circulation
- Extractor fan
- Electric and manual oil exchange system for engines /gear boxes/generators
- Flexible mountings for engines
- All ventilation openings are equipped with fire flaps
- 220 VAC power outlets
- Sea water cooling system for generators and engines
- Temperature sensors on water jackets
- Fresh water outlets
- Stainless steel guard railings
- 3 x bilge pumps (2000 GPH)
- Lockable water/gas tight door
- Smoke detector and heat detector
- 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

- Electrical system of the boat is 3-phase, 380/220 VAC, 50 Hz
- Main power supplied by two generators
 - 2 x generator 51.5 kW, 50 Hz, 380/220 VAC
- 3-phase dockside connection (100 A) with cable and cable master system
- Main switch board system equipped with magnetic contactors, overload protections and short circuit protections

- Outgoing circuits protected by circuit breakers
- Battery isolation switches
- 2 x12 V, 200 Ah batteries for port side engine
- 2 x12 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 emergency
- 2 x 12 V, 100 Ah batteries for port side generator
- 2 x 12 V, 100 Ah batteries for starboard side generator
- Batteries are charged by two battery chargers
 - 80 A, 24 V battery charger for engine batteries
 - 100 A, 24 V battery charger for house and emergency batteries
- Batteries interconnection panels placed in engine room
- Main panels are placed in engine room
 - 380/220 VAC main distribution panel
 - 380/220VAC sub distribution panel
 - 24VDC distribution panel
- Secondary distribution panels are placed at:
 - 220VAC upper deck panel (corridor)
 - 220VAC lower deck panel (guest lobby)
 - 12/24VDC navigation panel (wheel house)
 - 230VAC galley panel
- Tank sentry monitoring panels placed in engine room
 - Fuel tanks
 - Fresh water tank
 - Black/grey water tank
- Tank senders for all tanks
- 220 VAC power outlets in all cabins
- Cathodic protection provided by cross bonded zinc anodes
- Port and starboard generators isolation battery switches and interconnection panel
- Port and starboard engines isolation switches and interconnections panel

Entertainment system

Main saloon:

- 55" LED TV
- DVD home theater system (Bose, Life style 48 Series)
- Satellite receiver

Owner cabin:

- 40" LED TV
- DVD home theater system (Bose, Life style 3.2.1 Series)
- Satellite receiver

Aft cockpit:

- 2 x speakers

Flybridge:

- 2 x speakers

Port side twin guest cabin: (optional)

- LED TV
- DVD player
- Satellite receiver

Double guest cabin 01: (optional)

- LED TV
- DVD player
- Satellite receiver

Double guest cabin 02: (optional)

- LED TV
- DVD player
- Satellite receiver

VIP guest cabin: (optional)

- LED TV
- DVD player
- Satellite receiver

Power and drive systems

- Power assisted electro hydraulic steering system
- Direct shaft drive through tunnel
- 2 x propellers, 5-blade, AB2 material
- 2 x rudders
- 2 x P-brackets

- 2 x stainless steel shafts
- 2 x hydraulic trim tabs
- Trim tabs switches and gauges at lower helm and main helm position
- 2 x seawater strainers for main engines

Fire extinguishing system

- Fixed fire extinguisher in engine room connected with pull cable to cockpit
- Fire alarm and fire bell at wheel house and engine room
- Smoke detectors in all cabins
- Hand operated portable fire extinguishers installed for immediate use in all cabins
 - VIP cabin
 - Owner's cabin
 - Port side twin guest cabin
 - Double guest cabin 01
 - Double guest cabin 02
 - Captain cabin
 - Crew cabin 01
 - Crew cabin 02
 - Galley
 - Wheel house
 - Engine room
 - Fly-bridge
- Fire line manifold system installed in rudder compartment
- Mechanical pump with bypass valves for fire and bilge purpose
- Fresh water line is connection to manifold for priming and cleaning
- Plumbing are made of CuNiFer/stainless steel pipes
- Fire hydrant valves with hose reel and nozzle at:
 - Guest lobby (lower deck)
 - Aft cockpit (main deck)
 - Forward area (bow area)
 - Crew galley (lower deck)

Bilge system

- Bilge water high level alarm system
- Electric bilge pumps 2000 GPH with float switches fitted in each water tight compartment located at beneath the following area:

- 2 x forward area(double guest cabin)
 - Passage
 - 2 x Owner's cabin
 - 3 x Engine room
 - Crew galley
 - Rudder compartment
- Bilge suction lines are connected to manual bilge pump and mechanical pump with bypass valves for suction of the bilge water from engine room and rudder compartment

Fuel system

- Total fuel capacity 4,000 US gal (15,005.372 l)
 - Port side fuel tank capacity 1,792 US gal (6,783.458 l)
 - Starboard side fuel tank capacity 1,792 US gal (6,783.458 l)
 - Fuel day tank 416 US gal (1,574.731 l)
- Integrated FRP fuel tanks in engine room
- Port and starboard side fuel tanks interconnection with fuel day tank
- Fuel fillers on port and starboard side decks
- Manual fuel shutoff valve pull-out pin cable fitted at aft cockpit
- Fuel filters for engines/generators
- All tanks provided with manhole covers, ventilation pipes and connection pipes to manifold
- Isolation valves to fuel manifold
- Interconnection fuel lines are made of stainless pipes
- Electric tank senders for all fuel tanks
- Manual and electric pump lubricating oil change system for engines/generators

Fresh water system

- Water tank capacity 800 US gal (3,028.32 l)
- Pressurized hot and cold water system
- 24 VDC fresh water pump
- 220 VAC fresh water pump
- 2 x water heaters (each capacity 60 l)
- Pump circuit breaker at main switch panel
- Water level monitoring panel in engine room
- Water maker capacity 140 l/h for fresh water
- Water fillers on side deck
- Electric tank sender

- 26 mm Mepla piping throughout supplying all outlets
- 32 mm 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

- Black tank capacity 100 US gal (378.54 l)
- Grey tank capacity 100 US gal (378.54 l)
- Automatic/manual control system for black and grey water pumps
- Black and grey water pump works on 24 VDC
- Electric Tecma toilets
- Toilet pumps discharging to black water tank or direct to sea with manifold system
- Black and grey water tank with level indication monitoring panel in engine room
- Black tank over board discharge on side deck
- All plumbing lines are PVC pipes and flexible hoses
- Crew cabin toilets are direct discharging to sea
- Electric tank sensors for tanks

Air conditioning system

- Chilled water air conditioning system with capacity 2,60,000 Btu
- All compressors on 380 VAC, 3- phase
- All cabins air handlers are connected with chillers system
- 2 x chiller water pumps
- 2 x sea water pumps
- Air conditioning control switches in all cabins
- Plumbing lines are PVC pipes
- Pipe lines are well insulated
- Compressors units placed in engine room

❖ Interior specifications

Main deck

Saloon

- Stainless steel framed sliding door to cockpit
- Port and starboard side sofas

- Coffee table
- Sofa side tables
- Cabinets and open shelves
- Counter top
- Windows with curtains
- Curtains to main entrance door
- Air conditioning with control switch
- Architectural lighting
- LED decorative lighting
- Lighting switches and AC sockets
- Fitted carpet and wooden flooring

Dining area

- Dining table
- Dining chairs
- Port and starboard side sofas
- Storage lockers
- Side windows with curtains
- Architectural lighting
- Lighting switches and AC sockets
- Air conditioning with control switch
- Wooden flooring

Main deck corridor

- Lockable water tight side pantograph door to side deck
- Niche with LED decorative lighting
- Wooden flooring
- Stair case to wheel house
- Entrance door to galley
- Access to electrical room
- 220VAC upper deck distribution panel locker

Galley

- Corian counter top
- Stainless steel sink with hot and cold water supply
- Overhead cabinet
- Refrigerator

- Coffee machine
- Trash compactor
- Ice maker
- Hob
- Bottle cooler
- Hood
- Windows with pleated blinds
- Architectural lighting
- Lighting switches and AC sockets
- Air conditioning with control switch
- Vinyl flooring

Main lobby

- Lockable water tight side pantograph door to side deck
- Stairs to lower deck cabin
- Luggage storage
- Niche with LED decorative lighting
- Stainless steel hand rail with leather cover
- Architectural lighting
- LED lighting to steps
- Entrance door to day head toilet
- Entrance door to VIP cabin
- Wooden flooring

Day head toilet

- Wash basin and tap with hot and cold water supply
- Electric toilet
- Extractor fan
- Mirror
- Storage locker
- Complete set of sanitary accessories (tooth brush holder, soap holder, brush holder, towel hook and towel rail)
- Marble flooring (optional)
- Architectural lighting
- Lighting switches and AC sockets

VIP cabin

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- Large double bed with mattress, pillows and bedspreads
- Bed side tables with drawers
- Wardrobes
- Cabinet with drawers and lockers
- Vanity desk and stool
- 4 x drawers to bed
- Side windows with curtains
- Storage space under the bed
- Air conditioning with control switch
- Reading lights
- Architectural lighting
- LED decorative lighting
- Lighting switches and AC sockets
- Fitted carpet
- Stairs to bathroom

VIP bathroom

- Wash basin and tap with hot and cold water supply
- Mirror
- Storage lockers
- Electric toilet
- Bidet
- Hot and cold water shower mixer
- Sky shower
- Extractor fan
- Frosted glass door to shower room
- Frosted glass door to ensuite
- Architectural lighting
- LED decorative lighting in shower room
- Complete set of sanitary accessories (tooth brush holder, soap holder, brush holder, towel hook and towel rail)
- Shelves
- Marble flooring (optional)
- Lighting switches and AC sockets

Wheel house

- Helm seat with fore and aft adjustment

- Sofa seat and table
- Flag storage
- Stairs up to sundeck
- Air conditioning with control switch
- Port and starboard side windows
- Wooden flooring
- Stainless steel railings
- Stairs down to main deck saloon
- Architectural lighting
- Lighting switches and sockets

Lower deck

Guest lobby

- Stairs from main deck saloon
- Architectural lighting
- Lighting switches and AC sockets
- Fitted carpet
- LED lighting to steps
- Locker for fire hydrant valve, hose reel and nozzle
- Entrance door to owner's cabin
- Entrance door to twin guest cabin
- Entrance door to double guest cabin 01
- Entrance door to double guest cabin 02

Owner's cabin

- Full beam cabin with portholes
- Large double bed with mattress, pillows and bedspread
- Bed side tables
- Sofa seat and table
- 4 x drawers to bed
- Storage under the bed
- Port and starboard side wardrobe
- Desk with drawers and stool
- Cabinet and storage locker
- Air conditioning with control switch

- Reading lights
- LED decorative lighting
- Architectural lighting
- Lighting switches and AC sockets
- Fridge
- Portholes with roman blinds and pleated blinds
- Fitted carpet
- Twin doors to ensuite

Owner's ensuite

- 2 x vanity lockers
- 2 x wash basins and taps with hot and cold water supply
- Mirrors
- Full height mirrors to doors
- Porthole with pleated blinds
- Open shelves
- Extractor fan
- Electric toilet
- Bidet
- Marble wall panels in shower room (optional)
- Frosted glass doors to shower room
- Hot and cold water shower mixer
- Sky shower and body jets
- Architectural lighting
- LED decorative lighting in shower room
- Jacuzzi
- Complete set of sanitary accessories (tooth brush holder, soap holder, brush holder, towel hook and towel rail)
- Lighting switches and AC sockets
- Marble flooring (optional)

Twin guest cabin

- 2 x single beds with mattress, pillows and bedspreads
- Bed side table with drawers
- Wardrobe
- Storm shutter storage
- Drawers to bed

- Porthole with pleated and roman blinds
- Air conditioning with control switch
- Reading lights
- Architectural lighting
- LED decorative lighting
- Lighting switches and AC sockets
- Fitted carpet
- Entrance door to ensuite

Twin guest bathroom

- Wash basin and tap with hot and cold water supply
- Mirror
- Open shelves
- Electric toilet
- Hot and cold water shower mixer
- Sky shower
- Extractor fan
- Glass door to shower room
- Porthole with pleated blinds
- Complete set of sanitary accessories (tooth brush holder, soap holder, brush holder, towel hook, and towel rail)
- Full height mirror to door
- Marble flooring (optional)
- LED decorative lighting in shower room
- Architectural lighting
- Lighting switches and AC sockets

Double guest cabin 01

- Large double bed with mattress, pillows and bedspreads
- Bed side tables
- Port and Star board side wardrobe
- Desk and stool
- Porthole with roman and pleated blinds
- Storage under the bed
- Drawers to bed
- Air conditioning with control switch
- Reading lights

- LED decorative lighting
- Architectural lighting
- Lighting switches and AC sockets
- Sofa seat
- Fitted carpet
- Entrance door to ensuite

Double guest bathroom 01

- Vanity locker
- Wash basin and tap with hot and cold water supply
- Mirror
- 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)
- Full height mirror to door
- LED decorative lighting in shower room
- Architectural lighting
- Lighting switches and AC sockets
- Marble flooring (optional)

Double guest cabin 02

- Large double bed with mattress, pillows and bedspreads
- Bed side table with drawers
- Wardrobe
- Porthole with roman and pleated blind
- Drawers to bed
- Air conditioning with control switch
- Reading lights
- LED decorative lighting
- Architectural lighting
- Lighting switches and AC sockets
- Fitted carpet

- Entrance door to ensuite

Double guest bathroom 02

- Vanity locker
- Wash basin and tap with hot and cold water supply
- Electric toilet
- Hot and cold water shower mixer
- Sky shower
- Extractor fan
- Frosted glass door to shower room
- Porthole with pleated blinds
- Complete set of sanitary accessories (tooth brush holder, soap holder, brush holder, towel hook and towel rail)
- Full height mirror to door
- Marble flooring (optional)
- LED decorative lighting in shower room
- Architectural lighting
- Lighting switches and AC sockets

Crew galley / lounge

- Corian counter top
- Stainless steel sink and tap with hot and cold water supply
- Refrigerator
- Hob
- Hood
- Dryer
- Overhead storage lockers
- Stair case to cockpit
- Fishing rod storage
- Lockable water tight door leading to swim platform
- Lockable water/gas tight door to engine room
- Air conditioning with control switch
- Steps to swim platform
- Architectural lighting
- Lighting switches and AC sockets
- Entrance door to captain cabin
- Entrance door to crew cabin 01
- Entrance door to crew cabin 02

- Entrance door to captain cabin
- Vinyl flooring

Captain cabin

- Single bed
- Wardrobe
- Air conditioning with control switch
- Reading lights
- LED decorative lighting
- Architectural lighting
- Lighting switches and AC sockets
- Vinyl flooring
- Entrance door to ensuite

Captain's bathroom

- Sink and tap with hot and cold water supply
- Electric toilet
- Extractor fan
- Mirror
- Hot and cold water shower mixer
- Architectural lighting
- Lighting switches and AC sockets
- Complete set of sanitary accessories (tooth brush holder, soap holder, paper holder, brush holder, towel rail and towel hook)

Crew cabin 01

- Single bed
- Wardrobe
- Air conditioning with control switch
- Reading lights
- LED decorative lighting
- Architectural lighting
- Lighting switches and AC sockets
- Vinyl flooring
- Entrance door to ensuite

Crew cabin 02

- Single bed
- Wardrobe
- Air conditioning with control switch
- Reading lights
- LED decorative lighting
- Architectural lighting
- Lighting switches and AC sockets
- Vinyl flooring
- Entrance door to ensuite

Crew bathroom

- Vanity locker with corian counter top
- Stainless steel sink and tap with hot and cold water supply
- Overhead storage locker
- Electric toilet
- Extractor fan
- Mirror
- Hot and cold water shower mixer
- Architectural lighting
- Lighting switches and AC sockets
- Complete set of sanitary accessories (tooth brush holder, soap holder, paper holder, brush holder, towel rail and towel hook)

Safety equipments

- 13 x life jackets
- 2 x life rings
- 2 x life rafts (each capacity 8 persons)

Miscellaneous

- 6 x fenders
- First aid kit
- Fire blanket
- Tool kit

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by 

- Mooring ropes
- 2 x boat hooks
- 2 x life rings