

*NUMA***RINE**

BUILDER

The Numarine 102

BUILT

2015

LENGTH

31.08 m

BEAM

7.10 m

DRAFT

2.05 m

DISPLACEMENT

98 t

CABIN

5

ENGINE

Twin CAT C32 1825 HP

GENERATOR

ONAN 27Kw and 50kW

FUEL TANKS

11470 liters









































Principal Dimensions

- **Length Overall** : 31.08m
- **Lenght of hull** : 30.84m
- **Beam** 7.10m
- **Draft inc. propellers** : 2.05m
- **Displacement light ship** 98 t
- **Displacement full load** 115 t
- **Fuel Capacity** 11470 liters
- **Fresh water capacity** 2600 liters
- **Year of Build** : 2015

Layout



Engines and Performance

Engines Twin CAT C32 1825 HP 2300 rpm (650 engine hours)

Max speed up to 28 knots*

Cruising speed up to 22 knots*

Gearbox ZF Supershift

Generators ONAN 27kw and 50kW (27kw:4.500 hours, 50kw: 5.000 hours)

Max range @ cruising up to 500 nautical miles*

Zero Speed Stabilizer Seekeper GYRO 21.0000

Construction

- Vacuum assisted infusion technique with PVC foam, unidirectional and multiaxial E-glass with vinylester resin
- Scantling and structural FEA calculations completed by HIGH MODULUS
- Hull is stiffened with longitudinal stringers supported by transverse bulkheads and floors
- All gel coated hull and superstructure (optional painted hull)
- All interior partition bulkheads are of PVC foam or lightweight material cored veneered plywood
- Side opening pantograph access doors to pilot house foyer, galley and crews quarters
- Electrical/hydraulic steering system
- Flybridge wetbar with sink, hot and cold water, electric barbeque, icemaker and refrigerator
- Washer/dryer in crews mess
- Flatscreen televisions in all guest cabins, captain's cabin and crew mess
- Satellite TV system (90cm dish) to all televisions
- BOSE Lifestyle Entertainment system in saloon
- BOSE CineMate Entertainment system in master stateroom
- BOSE CineMate Entertainment system in lower master stateroom
- Refrigerator and freezer
- Ceramic hob, microwave, conventional oven/grill, wine cooler and dishwasher
- Dual station electronic depth and speed displays
- Dual station autopilot
- Dual station VHF
- Hot and cold water pressurized system
- Fresh water pump

Summary of main Standard

Equipment

- Full air conditioning (40deg Ambient)
- Hydraulic lazarette access platform
- Twin hydraulic windlass
- 24v DC & 380v/230v AC electrical system
- Hot and cold swimming shower at stern
- Jacuzzi spa on flybridge

- Black water treatment system
- Toilet system with holding tank
- Automatic fire extinguishing system for engine room
- Automatic bilge pumps
- 380v AC shore power (automatic reclaim) and battery chargers
- Hydraulic Bow thruster SIDEPOWER SH 420
- Stern thruster SIDEPOWER SH 420
- Remote controlled search light
- Teak laid bathing platform and steps, side decks and foredeck, flybridge stairway, flybridge and cockpit floor
- Flybridge sunbed and cushions
- Flybridge crane Bezenoni (600Kg)
- Weathertight pantograph transom door
- Hydraulic stern rope mooring winches
- Antifouling
- 4X Under water transom lights
- Intercom system to all cabins, crews quarters and pilothouse
- Twin life rafts(2 x 8persons)
- Jet ski and dingy chocks

Deck

- Teak laid side decks and foredeck, flybridge stairway and cockpit floor
- Hydraulic passerelle
- Fittings all in stainless steel
- Two pair of bow cleats and fairleads
- Two pair of stern cleats and fairleads
- Pulpit and side rails
- Twin stainless steel anchor pockets with anchor stop
- Twin 150kg anchors with 140m 14mm chain (galvanized)
- Twin hydraulic windlass and capstan with foredeck and dual station controls
- Chain locker and fender stowage
- Pantograph windscreen wipers and washers
- Port and starboard fuel filler
- Fresh water filler
- Ensign staff and socket
- Foredeck sun bed with cushions
- Foredeck seat with cushions
- Bow rope stowage locker
- Hot and cold hand held swimming shower at transom

- Dockside 380v AC shore power connection (automatic reclaim)
- Weatertight pantograph transom door
- Port and starboard side deck cameras
- Deck and anchor chain wash
- Courtesy lights

Bathing Platform & Lazarette

- Teak laid bathing platform with removable stainless steel handrails
- Stairs to aft cockpit with teak treads
- Stainless steel swimming ladder
- Hydraulic bathing platform, access hatch to lazarette

Flybridge

- Helmsman bench seat with storage under
- Twin seating areas
- Storage lockers under seating
- Twin teak dining tables with adjustable legs
- Upholstered sunbathing area
- Stainless steel safety rails Jacuzzi spa
- Hot and cold shower
- Wet bar with sink, hot and cold water, electric barbeque, icemaker and refrigerator
- Teak top bar unit
- Hand held fire extinguisher under helm seat
- Navigation lights
- Open array 4KW radar antenna
- Raymarine Satellite TV system twin domes (90cm)
- VHF
- Remote controlled searchlights
- Hatch to aft cockpit Hydraulic crane (600 Kg)
- Suntop with opening bimini
- Console, windscreen and sidescreen covers

Flybridge Helm Station

- Electrical steering and adjustable tilt steering wheel
- Full set of engine controls and instrumentation
- Console cover
- Anchor windlass controls
- Bow thruster control
- Stern thruster control
- Magnetic compass
- Anchors, horn, navigation lights, emergency lights, dashboard and rollbar lights switches
- Bilge and low tank alarm panel
- Fuel level gauge (Monitoring system)
- Fresh water level gauge (Monitoring system)
- Engine room Hand held fire extinguisher warning system
- Searchlight controls
- Hailing horn microphone
- Raymarine 15" multifunction display autopilot display
- Tridata (Depth, speed and temperature) digital display
- GPS
- VHF

Aft Cockpit

- Teak laid cockpit floor
- Stairs to flybridge with teak treads
- Teak dining table
- Aft rope lockers
- Stern safety gates
- 2x stern capstan winches and fairleads
- Overhead cockpit lights
- Pair of BOSE marine speakers connected to saloon entertainment system
- Hand held fire extinguisher
- Control panel for passerelle
- Control for hydraulic lazarette access hatch
- Emergency fuel shut off valve and engine room fire extinguishing activation system
- Shore power automatic reclaim control
- Cockpit camera
- Rear docking light

Saloon & Dining

- Choice of varnished interior finishes and veneers
- Choice of fitted carpet or parquet floor to saloon and dining area
- Upholstered ceiling panels
- Flatscreen pop-up television (50")
- BOSE Lifestyle Entertainment system in saloon
- Air conditioning
- Side windows with blinds
- Blinds or curtains to saloon door
- Storage cupboard units
- Stainless steel framed sliding patio door to aft cockpit
- Halogen overhead lighting
- AC sockets
- Veneered dining table
- Fridge

Galley

- Air conditioning
- Choice of varnished interior finishes and veneered units with synthetic stone worktop
- Parquet floor
- Refrigerator/freezer
- 4 ring ceramic hob
- Conventional oven and grill
- Microwave
- Dishwasher
- Coffee machine
- Hob extractor
- Wine cooler
- Stainless steel sink
- Hot and cold water
- 12 place crockery set
- 12 place cutlery set
- Storage consisting of cupboards, drawers and top lockers
- Halogen overhead lighting
- Spotlights under top lockers
- AC sockets
- Hand held fire extinguisher
- Fire blanket
- First aid kit
- 12 piece small glass set, 12 piece large glass set
- Access to port side deck

Raised Pilot House & Foyer

- Adjustable Captain's helm seat
- Hydraulic power steering and adjustable tilt steering wheel
- Console with leather finish
- Full set of engine controls and instrumentation
- Anchor windlass controls
- Bow thruster control
- Stern thruster control
- Magnetic compass
- Navigation, anchor and dashboard light switches
- Horn control
- Bilge and low tank alarm panel
- Wiper and screen wash control
- Rudder angle indicator
- Fuel level (Monitoring system)
- Fresh water level (Monitoring system)
- Black water level (Monitoring system)
- Engine room
- Hand held fire extinguisher warning system
- Twin 17" multifunction display autopilot display
- Tridata (Depth, speed and temperature) digital display
- GPS
- VHF
- Hand held fire extinguisher
- Adjustable air vents
- Remote anchor winch controls
- Bilge pump controls
- Sliding door to flybridge
- Day head with toilet and hot and cold water sink with mirror
- Parquet floor fitted to pilot house position and day head
- Fitted carpet to foyer and lower accommodation stairs
- Access to starboard side deck

Forward Master Stateroom

- King size bed with mattress, linen and bedspread; storage underneath
- Bedside units with storage
- Bedside lights
- Twin seating unit and table
- Built in refrigerator
- Rope lights

- Air conditioning
- 42" fixed LCD TV
- BOSE CineMate Entertainment system
- Halogen ceiling lights
- Choice of varnished interior finishes and veneered furniture
- Upholstered ceiling panels
- Sockets and switches
- Blinds or curtains to all windows
- Automatic blinds to forward windows
- Fitted carpet
- Fitted carpet to low level dressing area stairs
- Built in safe

Forward Master Ensuite

- Twin ceramic washbasin set in to glass or synthetic stone vanity top
- White china WC
- Full standing height shower stall with teak grating and plexiglass door
- Choice of laminate panels
- Halogen ceiling lights
- Sockets and switches
- Mirror
- Stainless steel tap and shower mixer
- Full set of designer bathroom fittings (toothbrush and glass holder, towel ring, soap dish, toilet roll holder)
- Extractor fan
- Storage lockers
- Marble fitted floor
- Blind fitted to window

Aft Port VIP Stateroom

- Double bed with mattress, pillows and bedspread; storage underneath
- Bedside lights
- Rope lights
- Air conditioning
- 22" LCD TV & DVD/CD
- Access to en suite shower room
- Halogen ceiling lights
- Choice of varnished interior finishes and veneered furniture
- Mirrors
- Upholstered ceiling panels
- Sockets and switches
- Blinds or curtains to all windows
- Wardrobe and cupboard storage s

Aft Port VIP Ensuite

- Ceramic washbasin set in to glass or synthetic stone vanity top
- White china vacuum WC
- Full standing height shower stall with teak grating and hinged plexiglass door
- Choice of varnished interior finishes and veneered furniture panels
- Halogen ceiling lights
- Sockets and switches
- Mirror
- Stainless steel tap and shower mixer
- Full set of designer bathroom fittings (toothbrush and glass holder, towel ring, soap dish, toilet roll holder)
- Extractor fan
- Storage lockers
- Marble fitted floor
- Blind fitted to window

Aft Starboard Guest Cabin

- Twin bed with mattress, pillows and bedspread; storage underneath
- Bedside unit with storage
- Bedside lights
- Rope lights
- Air conditioning
- 22" LCD TV & DVD/CD
- Access to en suite shower room
- Halogen ceiling lights
- Choice of varnished interior finishes and veneered furniture
- Full length mirrors
- Upholstered ceiling panels
- Sockets and switches
- Blinds or curtains to all windows
- Fitted carpet
- Wardrobe and cupboard storage space

Aft Starboard Guest Ensuite

- Ceramic washbasin set in to glass or synthetic stone vanity top
- White china vacuum WC
- Full standing height shower stall with teak grating and hinged plexiglass door

- Choice of varnished interior finishes and veneered furniture panels
- Halogen ceiling lights
- Sockets and switches
- Mirror
- Stainless steel tap and shower mixer
- Full set of designer bathroom fittings (toothbrush and glass holder, towel ring, soap dish toilet roll holder)
- Extractor fan
- Storage lockers
- Marble fitted floor
- Blind fitted to window

Captain's Cabin

- Single bed with mattress, linen and bedspread
- Bedside table with drawers
- Drawers under berth
- Choice of laminate furniture
- Reading lights
- Air conditioning
- Stainless steel opening porthole with flyscreen
- Halogen ceiling lights
- Blinds or curtains to all portholes
- 22" LCD TV & DVD/CD
- Fitted carpet

Crew Cabins

- 2 single berths with mattresses, linen and bedspreads / 1 twin berth with mattresses, linen and bedspreads
- Reading lights
- Air conditioning
- Choice of laminate furniture
- Stainless steel opening porthole with flyscreen
- Halogen ceiling lights
- Sockets and switches
- Curtains to all portholes
- Fitted carpet

Crew Bathrooms

- Ceramic washbasin molded with counter top
- White china WC
- Shower stall with teak grating and hinged plexiglass door
- Laminate walls
- Fabric ceiling

- Halogen ceiling lights
- Sockets and switches
- Mirror
- Mixer taps
- Storage lockers
- Teak floor

Engine Compartment & Ancillaries

- Separate fuel filters with water alarms
- Automatic Hand held fire extinguisher with engine/generator and fan shutdown and indicators at both helm positions
- Automatic bilge pumps in each watertight compartment
- 6 x engine room extractor fans

Electrical System

- 40kW 380 Volt 50 Hz with sound shield, 12V start and control panel.
- 22.5kW 380 Volt 50 Hz with sound shield, 12V start and control panel.
- Dockside 380v 50Hz AC connection socket with automatic cable reclaim (1x 125amp Glendenning Cable master)
- 24v engine batteries 450Ah
- 24V navigation batteries 450Ah
- 24v generator batteries 130Ah
- 24v generator batteries 90Ah
- 24V service batteries 1250Ah
- 2 x Victron Multiplus 5,000W 24VDC/230VAC Inverter
- Remote battery switches controlled from locker in pump room
- 300 amp battery charging for 24v service batteries
- 30 amp battery charger for 24v main engine batteries
- 30 amp battery charger for 24v genset batteries
- 60 amp battery charger for 24v navigation and emergency system batteries
(1 x Victron Centaur charger 24/30
1 x Victron Orion Charger 24 / 12 -25
1 x Victron Orion charger 24 / 24 -15
2 Blue Power charger IP65 12 V 7A
2 x Blue Power charger IP65 24V 8A)
- 24/12 V 20 A DC-DC converter for VHF

- 2x 1.8 KW , 1x 3.5KW water heaters
- AC sockets throughout the boat

380v/230v 50Hz AC System

- Air conditioning and fan coils
- Water Heater
- Galley equipment
- Battery chargers
- Refrigerators
- Ice maker
- Entertainment system
- Washing machine / Dryer
- Dishwasher
- Oven
- Hob
- Wine cooler
- Hot water and fresh water circulation pump
- Bow thruster (hydraulic cooling pump)
- Engine room ventilation fans
- Toilet system

24v DC System

- Navigation lights
- Navigation electronics
- Horn
- Searchlight (x3)
- Windscreen wipers
- Bilge pumps
- Passerelle hydraulic pump
- Crane hydraulic pump
- Steering hydraulic pump
- Fresh water pump
- Lighting
- Toilets
- Flybridge refrigerator
- Master cabin refrigerator
- 4x Underwater transom lights

Underwater Gear

- 5 blade NAB bronze propellers
- NAB Bronze P brackets
- Stainless steel Marinemet 25 duplex shafts
- Dripless shaft logs
- High performance bronze rudders
- Full cathodic bonding system to zinc anodes
- 420 kg hydraulic bow thruster

- 420 kg hydraulic stern thruster
- 4x Underwater transom lights
- Antifouling – black

Systems

- Electrical steering

Chilled water air conditioning system (reverse cycle)

- 2 x 90,000 BTU 380V compressors located in the engine room.
- Fan coils are installed at each cabin with control units.
- Saloon – 4x 18000 BTU,
- Galley - 12000 BTU
- Forward Master Stateroom – 24000 BTU
- Forward Master Stateroom ensuite – 4000 BTU
- Port and starboard guest cabins – 2x 9000 BTU each
- Forward Port Master (Lower master) cabin - 18000 BTU
- Aft Port VIP Stateroom — 12000 BTU
- Captain's cabin – 6000 BTU
- Crew cabins – 2x 4000 BTU each
- Crew mess – 12000 BTU
- Foyer - 12000 BTU
- Pilot house - 24000 BTU

Fresh Water System

- 2 x 220l TECNICOMAR watermaker
- One 2600 litre GRP tank fitted under the crew cabins (with inspection manhole)
- 1x 100 litre, 1x 60 litre 220V Boiler
- Tank level sensor with gauges at lower and upper helm positions
- Automatic water pump with filter and pressure tank

Fuel Oil System

- 3x fuel tanks with a total capacity of 11470 litres
- Remote controlled valve

Grey and Black Water System

- 1350 liter GRP grey water holding tank is installed in the lazarette
- 1120 liter GRP black water holding tank is installed in the engine room
- Pressurised fresh water WC system linked to holding tank
- Macerator toilets
- Shower grey water holding tanks located underneath crew, master and guest cabins
- Holding tank dock side and overboard discharge with low noise electric macerator pump
- Tank Level Gauges
- Separate air ventilation pipings for Grey water and Black water tanks
- 2x bilge pump

Seawage System

- TECNICOMAR Ecomar 18

Fire Protection System

- Automatic fire extinguishing system for engine room
- Pumped water fire system with outlets 2 at main deck fore and aft , 1 at flybridge area
- Remote controlled fire dampers (at engine room and galley)
- Spark arresters at air ventilation pipes
- Fire pump at engine room
- Emergency fire pump at outside of ENGINE ROOM

Miscellaneous

- 15x fenders
- 6x mooring ropes
- Life jackets to flag authority (Beds +2)
- Stainless steel boat name
- Wind screen covers