

AZIMUT  
YACHTS

— 725 —

TECHNICAL **DATA**

## MAIN DIMENSIONS AND CHARACTERISTICS

### Dimensions and weights

Maximum length $L_{max}$	22.32m (73'3")
Hull length $L_H$	21.95m (72'0")
Waterline length $L_{WL}$	18.10m (59'10")
Hull beam $B_H$	5.56m (18'3")
Maximum beam $B_{max}$	5.6m (18'5")
Suction lift $T_{keel}$	1.15m (3'9")
Max suction lift $T_{MAX}$	2.40m (7'1")
Hull height	5.58m (18'4")
Load displacement	46t

### Tanks capacity

Fuel tank capacity (nr.2):	4800 (tot.)l (1268 US gls)
Fresh water tank capacity:	1100l (291 US gls)
Black water tank capacity (nr.2):	450 (tot.)l (119US gls)
Grey water tank capacity (nr.1):	250l (66US gls)

### Layout and construction

Cabins	3 + 1 crew
Beds- STD version:	6+2 crew
Heads	3+1 crew (STD)
Building materials	GRP
Exterior styling	Stefano Righini
Interior decorator	Arch. Carlo Galeazzi

### Propulsion and performance

#### Engines

Producer	MAN
Type	MAN CR V12-1800CR
Power	1324kW@2300 rpm (1800 mHP)

#### Performance

<b>Max speed</b>	39 kts
<b>Cruising speed</b>	34 kts

Max speed consumption (full load)	329 l/h per engine
Cruising speed consumption (full load)	240 l/h per engine
Approval category EC	A
Max capacity	12 people

*All data and performances specified in the table above are valid for a boat in standard configuration (standard equipment installed) and with clean hull, propellers and helm. Furthermore it is necessary to consider that the performances stated here above were achieved in good sea and wind conditions (Beaufort scale index 1, Douglas scale index 1, Environment  $T < 35^\circ$ ); different and more severe sea conditions may cause a significant reduction in the boat's performance.*

Azimut S.p.A. reserves the right to make changes at any time to the technical specifications of its boats.

### HULL SHAPE AND CONSTRUCTION

The hull structural project has been approved by RINA (EC approval category A CE). This offers a further guarantee of

the structural quality, which is also assured by cutting-edge materials and technology

The hull and all the superstructures (deck, deckhouse, fly bridge) have been laminated using infusion techniques. This construction technology makes it possible to reduce weight and at the same time, improve construction control and quality.

The Deckhouse, Fly bridge, Garage door and side deckhouse door are made in carbon glass to guarantee increased rigidity and mechanical strength as well as drastically cutting weight compared to traditional glass fabrics.

Trays, fore and aft, in the engine room and crew quarters: these are structural trays made through infusion. A key element in this transformation is the increasingly widespread use of next-generation structural bonding agents (replacing taping).

Fibreglass structure with multiaxial fabrics and powder bonding agent as well as carbon fibre to reinforce areas subjected to the greatest stress. Neopentilic isophthalic spray gelcoat is also used. Expanded PVC is used for sandwich structures on the hull, deck and superstructures. The structural bulkheads in the engine room and the collision bulkheads, fore, have a PVC infusion sandwich structure.

Structural calculations have been checked using an FEM model analysis.

FEM models were created for the hull and all superstructures.

This calculation system, based on systems used by the aeronautical and motor vehicle industries, makes it possible to simulate the behaviour of the boat when subjected to conditions of the most severe stress, testing stress and deformation in detail.

Vinylester resin (maximum resistance to osmosis and *print through* marking) has been used on the entire hull.

Isophthalic resin has been used for the superstructures.

On the strength of this, Azimut is able to offer a 5-year warranty against osmosis.

Planing keel with deadrise  $16.9^\circ$  at the stern and  $21.2^\circ$  amidships-

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### STEERING SYSTEM

#### STD bow-thruster

Bow thruster 11,4 KW Side power 24V SP240TC  
15,5Hp

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### EXTERNAL LAYOUT

#### Fly Bridge

- Access from the cockpit, via a steel stairway faced in teak

- Access hatch opening: hinged opening with deck hatch made in aluminium and Plexiglas.
- Pilot seat for one people, with triple electric adjustment.
- Navigation and mooring joystick – JMC, integrated into the pilot seat.
- Coffee table.
- 2 watertight speakers.
- Sunbathing cushions at bow.
- Stern seat.
- Plexiglas windshield with stainless steel frame.
- CRP roll bar, stainless steel handrail.

#### Pilot console:

- 15" multifunctional display for engines and navigation data
- 10 Carling buttons
- Joystick FLAP
- Joystick for navigation and mooring – JMC
- Horn and navigation light controls
- Ice maker cabinet, fridge unit with pull-out shower attachment
- Navigation light
- Searchlight
- VHF second station
- "mini" Raymarine keyboard

#### Deck bridge and cockpit

- Access through small door in the starboard side
- Pulpit in stainless steel on the side bulwark
- Fairleads on the bulwark
- Tempered glass windows
- Side watertight door for access to the gangway area on the starboard side (with electric closure and manual movement)
- Stainless steel rub rail
- Fuel and water fillers on the side walkways
- Black water tank discharge intake on the side walkways
- 2 cleats, amidships, for each side
- Walkways in teak
- Electric windows on the port side (helm station)
- Side access doors

#### Bow

- 2500W winch
- Anchor winch controls
- Anchor peak with drainage and fender compartment
- Chain washdown
- Fairleads
- 8 fenders
- 65 kg Poolanker anchor
- Anchor chain: 12mm diameter, 100m length
- Hawse hole
- 2 wipers on the fore windshield
- 2 stainless steel cleats
- Deck hatch (emergency exit)
- 2 fore handrail bars for sunbathing cushions
- Side windows and windshield net covers
- Sunbathing cushions and glass holders

#### Stern

- Access to the cockpit from the bathing platform by 1 GPR stairway starboard and the retracting gangway
- Cleats
- Saloon access door with 4 stainless steel-crystal glass sliding shutters
- Cockpit bench which converts to a sun deck using the foldaway table
- Crew and engine room access
- Walkways in teak
- Lighting: spots on the ceiling
- Two electric warping winches QUICK 1000W 24V
- Teak-faced bathing platform with 600kg maximum capacity and Jet ski compartment
- Tender garage with hoisting/launching gear (capacity 400 kg), emergency exit and service light
- Garage door in carbon glass with hydraulic opening mechanism
- Side peaks and compartments (under the cleats)
- Lights on the bathing platform
- Foldaway teak table with two legs
- 3 m length electrohydraulic retracting gangway (160 kg maximum lifting capacity)
- Shower with hot and cold water mixer
- Manual telescopic bathing ladder
- Emergency-battery disconnect panel with controls for: battery cut-off for services, engines, generators, engine emergency stop pushbutton, engine room fire-fighting equipment enable
- Painted units inserted in the columns of the deckhouse, with peaks

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#### INTERNAL LAYOUT

##### Main deck

##### Helm station

- Direct access to the side walkway
- 2 display Man with full engine information
- Autopilot
- Levers
- Searchlight adjustment
- 2 Bufalo white leather, adjustable pilot seats with electrical guide adjustment
- Adjustable leather-faced steering wheel
- 2 drawers adjacent to the seats
- 2 handrails in the stairway area
- Map reading area in the helm station
- Chain meter counter
- Magnetic compass
- Joystick for trim tabs
- Joystick for wipers
- Manoeuvring joystick Xenta easy-doking
- 24V + 220V electric panel
- 12V cigarette lighter socket
- Controls for:
  - Activation of: bow anchor winch, adjustable searchlight, navigation lights, opening roof movement

Engine ignition (synchronism function)  
Engine electronic remote controls (levers)  
Steering wheel faced in leather  
Emergency panel to Override the Motronica system, with analogue gauge for fuel  
Multitask display Motronica with Joystick NAV DRIVE:

Indicator: bow bilge, engine room and rudder drop alarms, Racor filters;  
grey water level; black water level; fresh water level; navigation lights; shore sockets; battery voltage; engine room fans; fuel level  
- 2 Raymarine displays with control touch pad  
- VHF

### **Saloon**

- Carpeted floor with wood inserts
- Sofa on left side (seats 3) and sofa on the right side (also seats 3)
- 2 Zebrano poufs and tables with plate glass
- 42" TV unit in the centre of the saloon
- Zebrano furniture set
- Side Venetian blinds with remote control electrical movement
- Saloon door curtain

### **Dinette**

- 1 central table to seat 6 (extends to 8).
- Unit for tableware on starboard side
- Unit on port side
- Stairway down to lower deck
- Lighting: spots on the ceiling, Led panel over the table, RGB lighting kit on side skirts
- Side Venetian blinds with remote control electrical movement
- Carpeted floor with wood inserts
- Glass roof with UV protection and electric opening
- Watertight side door for access to the helm area on the starboard side (with semiautomatic closure)

### **Galley**

- Wooden floor
- Polished steel worktop
- 2 Stainless steel sinks
- White lacquered units
- 4-burner ceramic glass hob with stainless steel fiddle rail
- Microwave oven + grill
- Fridge/freezer
- Dishwasher
- Light well
- Clear sliding door

### **Lower deck**

- Cabin access passage with carpeted floor
- Clear cabin doors
- Washer-dryer
- Spots
- 1 handrail

### **Master cabin (amidships)**

- 1 double bed with tilt mechanism
- Mattress, pillows and bedspread
- Zebrano ceilings with leather panels and RGB perimeter lights
- 2 armchairs to starboard
- 2 appliques on headboard
- Set of Zebrano furniture
- Walk-in wardrobe with clear door
- Chest of drawers
- Vanity unit
- TV fitting
- 4 drawers under TV
- Spot lighting
- 1 opening porthole
- 12 square windows (6 per side)
- 1 Emergency exit through ceiling
- Access to the master bathroom through clear door
- Carpeted floor
- Side Venetian blinds with remote control electrical movement
- 2 handrails

### **Master head compartment**

- Tecma W.C.
- 2 washbasins with gold finish and mixer
- Wood top with metallic lacquered finish
- Shower with mixer tap with thermostatic function
- Shower cubicle with plate glass door and Zebrano wood
- Wooden floor
- Spot lighting and LED panels
- 1 porthole that can be opened, complete with Venetian blind
- 2 appliques
- 1 air extractor
- Chrome-plated head accessories
- A/C delivery

### **VIP Cabin**

- 1 double bed
- Mattress, pillows and bedspread
- Set of Zebrano furnishing items
- 1 wardrobe
- 2 wall cabinets
- 1 drawer unit under the bed
- 1 mirror
- 2 appliques on headboard
- Spot lighting
- 2 portholes that can be opened (1 on each side)
- Panoramic windows on both sides
- Deck hatch leading to the sunbathing area at bow
- Sliding ceiling panel to cover hatch
- Head compartment entrance with clear door
- TV fitting
- Carpeted floor
- Venetian blinds

### **VIP head compartment**

- Tecma W.C.
- Gold-finish washbasin with mixer
- Wood top with metallic lacquered finish
- Shower with mixer
- Shower cubicle with 2 overlapping sliding shutters
- Wooden floor
- Spot lighting
- 1 porthole that can be opened, complete with venetian blind
- 2 appliques
- 1 air extractor
- Chrome-plated head accessories
- A/C delivery

### **Guest cabin**

- Two single berths set out parallel
- Mattresses, pillows and bedspreads
- Set of Zebrano furniture
- 1 unit
- 1 nightstand
- Drawers in front of the berths
- 2 appliques
- Spot lighting and LED panel
- 2 portholes that can be opened
- Venetian blind
- TV fitting
- Carpeted floor
- Head compartment entrance with clear door

### **Guest head compartment**

- Direct access from the guest cabin and the passageway
- Tecma W.C.
- Gold finish washbasin with mixer
- Wood top with metallic lacquered finish
- Shower with mixer
- Shower cubicle with 2 overlapping sliding shutters
- Wooden floor
- Spot lighting
- 1 porthole that can be opened complete with venetian blind
- 2 appliques
- 1 air extractor
- Chrome-plated head accessories

### **Crew quarters**

- Access from cockpit
- 2 rooms: a cabin for the captain and an area for the crew, with sofa bed
- 1 porthole
- Captain's cabin's bed
- Quilt and pillows
- 1 unit in captain's cabin
- 1 unit in crew any thing
- GPR floor in the common room (storage area)
- Carpet in the cabin
- Set of laminated units (black and white)

### **Crew head compartment**

- Direct access from the crew cabin
- Tecma W.C.
- Mixer tap with thermostatic function
- 1 tap
- Shower
- Shower mixer tap with thermostatic function
- Head accessories

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## **ELECTRIC SYSTEM**

### **Main characteristics**

Voltage on board: 230 V AC – 50Hz, 24 V DC, 12 V DC.

Main electric panels, installed as follows:

- Auxiliaries room (main panel)
- Helm station
- Junction boxes are installed in all areas

### **- Utilities - On the main electric panel, installed in the auxiliaries room:**

**24V:** bilge pumps, oil drainage pump, hoisting/launching gear, garage door, helm station, gangway, extractor, fan, monitoring system

### **Users - On the electric panel in the helm station:**

**24V:** navigation instruments, instrument panel, wipers, horn, electric window, side door, walkway access, navigation lights, pilot seat, saloon lighting, cockpit lighting, dinette lights, galley lights, helm station lights, controls .

**12V:** sockets, stereo system, VHF.

- Dimmers for saloon and cabin light switches

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## **POWER SOURCES**

### **Generator**

#### **EUROPE, 50Hz version:**

- One 20 kW Kohler generator, located in the engine room

#### **USA, 60Hz version:**

- Two 20kW Kohler generators

### **SHORE SOCKET**

- Two 230V, 50A shore power sockets

AC energy sources are controlled by the main electric panel in the auxiliaries room, supplied by a digital multimeter for the 230 V power. Energy sources are protected by fuse elements and they are installed on the net by remote breakers with remote control.

### **Batteries**

- 12 AGM 90AH 24V Exide batteries (total: 540AH): 8 for services and 4 for engine start-up

- 1 AGM 70AH 12V Exide battery for generator
- 1 AGM 70AH 12V Exide battery (OPT) for a second generator (OPT)
- 1 Dolphin 12V 20A 115-230 battery charger for generators
- 1 Dolphin 24V 80A battery charger for services batteries

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## NAVIGATION ELECTRONICS

### Helm station

- RAYMARINE G150 SERIE DISPLAY
- RAYMARINE TOUCHPAD
- LOG
- DEPTH FINDER
- MOTRONICA DISPLAY + ENCODER
- 6002 AUTOPILOT
- ST60 TRIDATA
- REXROTH LEVERS
- R240 VHF
- TWO 6,5' DIGITAL MAN INDICATORS
- 12 V SOCKET
- JOYSTICK FOR TRIM TABS / WINDSHIELD WIPER JOYSTICK
- MANOEUVRE JOYSTICK

### Fly

- MULTIPUPOSE DISPLAY OF ENGINE AND NAVIGATION DATA 15'
- COMPACT RAYMARINE TOUCH PAD
- MANOEUVRE AND NAVIGATION JOYSTICK WITH INTEGRATED CHECKING OF ENGINES AND PROPS
- RAYMARINE DIGITALE 48 NM ANTENNA
- VHF R240E SECOND STATION
- TRIM TABS JOYSTICK
- FM-MP3-IPOD WATERPROOF STEREO

Due to the continued updating of electronic instrumentation, the package mentioned above is subject to change without any warning.

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## BILGE SYSTEM

- Four 24V automatic motor pumps, flow range: 240 l/min in cabin area, in engine room, auxiliaries room and steering compartment
- 3-way valve on engine cooler system (emergency suction in the engine room connected to one of the two seawater intakes for the engines)
- Four bilge level alarms
- Aux. emergency system to empty the bilges immediately (central suction system in each airtight compartment)

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## FIRE-FIGHTING SYSTEM

Fire-fighting system located in the engine room:  
two 12 kg powder cylinders

- SEAFIRE FD-1300M System (OPT / STD x USA): 1 canister (gas used: FM-200) in the engine room for local discharge. SEAFIRE power unit "Engine shut down system" to switch off engines, generators, extractors and fans off automatically at the same time as the gas is discharged.

- 2 hydrants (bow and cockpit)
- Closure of ventilation pipes to engine room
- Closure of fuel supply to engines and generator

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## FUEL SYSTEM

- 2 communicating tanks in steel each with a capacity of 2,400 l, in the engine room
- Port tank electronic fuel level indicator in the helm station
- Starboard tank sight gauge
- Double Racor filters for main engines

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## FRESH WATER SYSTEM

- Stainless steel tank 1100 litres
- Level sensor
- Boiler 100 litres
- Hot/cold shower in cockpit and fly
- Cold water fitting in engine room
- Fresh water for WC washing

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## GREY WATER TANKS

- Water discharged into tank (steel, capacity 250 l)
- Offloading directly into the sea: washbasin for cockpit and crew head
- Automatic/manual discharge
- Discharge system 70lt/min
- Level sensor

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## BLACK WATER TANKS

- 2 polyethylene tanks, each with a capacity of 225 l
- Level sensor
- Tank breathers with odour filter
- Tecma WC with macerator pump
- Pump to empty the tanks at sea, with manual operation
- Tank emptying from mooring, with outlets on walkways.

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## SEA WATER SYSTEM

- Engine cooler system
- Generator set cooler system
- Air conditioning cooler system
- Chain washdown
- Fire hydrants

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## ENGINE ROOM

- Access from the crew cabin, cockpit
- Ventilation and extraction kit integrated into filters,

air/water separators

- 24V pump for changing engine and generator oil
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### **ENGINE EXHAUST EMISSION**

- Underwater exhaust system with minimum external bypass.
  - Discharge manifolds in stainless steel
  - Structural exhausts in GRP
  - Water/smoke separator with side exhaust for generator
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### **A/C SYSTEM, VENTILATION AND EXTRACTION**

- Conditioned air in the **STD version only** - CRUISAIR 127.000 BTU :

### **VENTILATION**

- Head compartment air extraction system by two 24 V extractors with controls in the VIP and owner's head compartment
- Ventilation and extraction from the engine room based on two air/water filters

### **HYDRAULIC SYSTEM**

- Pump on the starboard engine for the steering system
  - 24V electro-hydraulic pump for the trim tabs
  - 24V electro-hydraulic pump for gangway and bathing platform
  - 24V electro-hydraulic pump for davit
  - 24V electro-hydraulic pump for opening roof
  - 24V electro-hydraulic pump for alavara and garage door
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### **MISCELLANEOUS**

- Mooring hooks
- 8 fenders
- Mooring lines (5 pieces, each 16 m in length, with a diameter of 20 mm)
- Fender lines (8 pieces, each 3 m in length, with a diameter of 8 mm)
- Fly-bridge cushion covers, instrument and cockpit
- Mesh window covers
- Set of pots, tableware, glassware and cutlery for 8 people
- Towel set with Azimut brand



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