TECHNICAL DATA

Length overall: (incl. pulpit)	48' 11'
Hull length: (incl. platform)	47' 10"
Waterline length: (at full load)	37' 6"
Beam overall:	14' 3"
Beam: (at main section)	14' 3"
Draft to keel: (excl. props)	2' 7"
Draft: (incl. props at full load)	3' 4"
Height above waterline: (incl. mast at full load)	15'
Displacement: (at full load)*	16.5 t
Dry displacement:	14.5 t
Engines:	2 x 457 mHP (336 kW) CAT 3126 B DITA 2 x 505 mHP (372 kW) CAT C9 6L
Maximum speed: (at half load)	29/31 Knots
Cruising speed: (at half load)	25/27 Knots
Fuel capacity:	396/449 US gls
Water capacity:	132 US gls
Holding tank capacity:	35 US gls
Grey water capacity:	15 US gls
Cabins:	2/3 + 1**
Berths:	4/6 + 1**
Head compartments:	2 + 1**
Building material:	GRP
Keel:	V-shape with angle of deadrise 18° aft
Exterior styling & concept:	Stefano Righini
Interior Designer:	Carlo Galeazzi
Builder:	Azimut

* Condition ready for use
** Crew cabin

The levels of performance described apply to a standard craft (with standard equipment installed) with clean hull, propeller and rudders. Moreover, it is specified that such levels of performance were achieved under favourable sea and wind conditions (1 on the Beaufort scale and 1 on the Douglas scale); in the case of diverse or less favourable sea conditions performance levels may vary considerably.

CE Approved

Design and construction
The structural project for the hull has been approved by RINA. This implies a guarantee of the quality which is also corroborated by the advanced techniques and materials used.
The keel is a deep V type with aft deadrise of 18°.
VINYLESTER RESIN is used for the first coats of the hull lamination. This kind of resin is extremely effective in preventing osmosis, thanks to its chemical and physical characteristics. 5-YEAR WARRANTY AGAINST OSMOSIS AND ON THE STRUCTURE.
Top quality isophthalic resin is used for all the remaining stages of the lamination process. Sandwich panels of top quality PVC foam are employed for the hull sides and superstructures.
The bulkheads are made of wood and expanded foam sandwich panels.

Propulsion system

Engines:
CATERPILLAR 3126 B DITA 6-cylinder diesel engine. Max. power output: 336 kW •
CATERPILLAR C9 6L 6-cylinder diesel engine. Max. power output: 472 Kw

Gearbox/reduction gears:
ZF 285 A, reduct. ratio 1.962:1 – C9 • ZF IRM 280 A, reduct. ratio 2:1 3126 B DITA

Propellers:
NiBrAl alloy, four blades, designed and built to optimise hull performance and to guarantee outstanding comfort during under sail.

Shafts:
MAR 17 steel, diam. 60 mm; bronze shaft supports; shaft seal type PSS.

Steering control:
Rudders in NiBrAl with areodynamic profile designed for better manoeuvrability.
Bow thruster (optional), electric powered, 24V (4,8 kW – 6,4 bhp/6,5cv) MAX POWER.

External layout and standard equipment

Flybridge
Access from cockpit by GRP stairway • GRP access hatch • Windscreens in tinted Plexiglas • Two-seat upholstered pilot bench with cushions and storage beneath • Rounded settee for 6 with cushions and storage beneath • Storage pocket • Cushioned sunbathing area for 3 • GRP roll bar/arch to support antennas, navigation lights, flagstaff • Stainless steel grab rails • Covered sink in GRP with? cabinet and fridge unit • Helm wheel in white painted aluminium • Cover for the flybridge instrument board (including pilot's seat) • Hand-operated searchlight • Switch for: left/right flaps • instrument lights • start/stop engine • anchor winch • chain washdown pump. Interfaced electronic instrumentation: Raymarine ST 6001 + • VHF • 12 V lighter-type socket • Cruisecommand single-lever engine controls with synchronism function • Audible and visual engine alarms • engine RPM gauges • engine cooling water temperature • engine oil pressure gauges • chaincounter • acoustic alarm for bilge pump.

Bow
Anchor chain storage (mt 75) • 20kg anchor • 1000 W, 24V anchor winch, 10mm 24V barbotin and capstan drums • anchor stored in hawsehole • bow storage for fenders • 6 fenders • tempered plate glass windows integrated in GRP structure • electrically operated windscreen washers / wipers • 4 bitts + 2 at midship • canvas covers for windows.

Stern
Stern fairleads in stainless steel incorporated in deck design • Non-slip deck surface • Refuelling intakes with flush covers • Fresh water intake • Pulpit, grab rail and accessories in ovalized stainless steel • Stainless steel fender bar • Antifouling paint • Navigation lights • Side inscriptions • Access door with frames in stainless steel with 2 tempered plate glass panels • Cockpit bench with storage and access to the aft machinery space • Cockpit cushions • Cockpit storage lockers • Cockpit lights • Two watertight loudspeakers (connected to the car stereo in the salon) • Access from the cockpit hatch to engine room/ machinery compartment • Hot and cold cockpit shower • Swimming platform 1.10 m with tender mounts • Electro-hydraulic gangway 1.10 m (160 kg lifting capacity) • Stainless steel/teak swim ladder • Boat hook • Mooring lines • Dockside electric connection 220 V.

Internal layout and standard equipment

Dinette
Carpet • Halogen lighting • Curtains • Cherry and burl wood polyacrylic-varnished furnishings • Radio with CD player with remote control connected to 2 loudspeakers (two internal and two watertight in the cockpit ceiling)• Predisposition for TV/stereo/DVD • Tableware and glassware for 6 • Cherry wood helm seat base • C-shaped settee for 6 • Bench seating for 2, opposite • Adjustable-height cherry and burl wood coffee table that converts to dining table • Access stairs to lower deck • Overhead in synthetic leather • Bulkheads covered in synthetic leather • Engine room access door.

Galley
3 burner ceramic hob with fiddle-rail • Microwave oven and grill • Two sinks with Granulon worktop • Extractor fan • 120 l fridge • Cabinets and shelves in polyacrylic-varnished cherry • Cookware set in stainless steel • Doussié floor • Rubbish container • Mixer tap for hot and cold water • Porthole.

Main Helm Station
Two-seat pilot bench • Stainless steel and teak helm wheel • Controls for: batteries parallel • Acoustic alarm • left/right windscreen wiper switch • Windlass • Trim tabs with trim indicators and controls • Electric side windows switch • Navigation lights switch • Bilge pump switch • Manual search light • Chain washdown pump switch • Battery parallel switch • Instrument lights switch • Electric fuel gauge • Electric fresh water gauge • Generator control panel • Engines "syncro" function.

Interfaced electronic instrumentation: Raymarine ST 60 Tridata multifunction display • Raymarine ST 6001 + multifunction display-autopilot-rudder angle indicator • GPS-Plotter Raymarine Raychart 520+ • VHF• Magnetic compass • 12 V Cigarette lighter-type socket • Cruisecommand single-lever electronic • Engine start/stop keys.

Full engine VDO instrumentation including: audible and visual alarms; engine hour meter, ammeters; Trim tabs with trim indicators and controls; engine oil pressure gauges; engine cooling water temperature gauges; diesel level gauge; water level gauge.

Owner's Cabin
Double berth with storage beneath • Mattress, pillows and bedspread • Headboard and bed corniche finished in fine fabric • Walk in wardrobe fitted with porthole, shelves and full length hanging space in cherry wood with mirror • Cherry wood column with drawers, and hanging space • Large built-in shelves in cherry wood on two levels with space to fit TV • Shelving and drawers under beds in polyacrylic varnished cherry and burl • Reading lights • Halogen lighting • Carpet • Mirror • Curtains • 2 long opening windows and two side portholes • Deck hatch with shade and mosquito screen • Direct access to owner's head • Bulkheads covered in synthetic leather • Access doors and framing in cherry woods.

Owner's Head
Direct access from cabin • WC • Wash basin in Granulon • Rounded shower stall with sliding Plexiglas door and doussié gratings • Shower fitting and soap dish • Hanging cabinet • Cabinet under wash basin • Vertical shelving in cherrywood • Halogen lighting • Porthole • Hot/cold water mixer • Curtain • Bathroom accessories • Mirror.

VIP Cabin (Midship)
Double (or twin berths) with storage beneath • Mattresses, pillows and bedspread • Headboard and bed corniche covered in fine fabric • Mirror • 3 cupboards on the curved bulkhead facing bed • Halogen lighting • Carpet • Curtains • 2 portholes • Direct access to the bathroom • Access doors and framing in cherry wood with lock • Bulkheads covered in fine fabrics • Access doors and framing in cherry wood.

Guests' Head Compartment
Access from the corridor and from the VIP cabin • WC • Granulon wash basin • Round shower stall with Plexiglas door and doussié gratings • Shower fitting and soap dish • Hanging cabinet • Cabinet under wash basin • Halogen lighting • Hot/cold water mixer • Porthole • Curtain • Bathroom accessories • Mirror.

Portside guest cabin (3 cabin version)
Two bunks • Mattresses, pillows, bedspread • Side shelves • Wardrobe in polyacrylic-varnished cherry wood • Porthole • Reading lights • Halogen lighting • Curtains • Carpet.

Standard technical equipment

Electrical system - Main Features
Main control panel installed close to helm station, anode protection of all metal parts subject to galvanic current, grounding system, 220 V sockets in all areas, fire-fighting system control panel in cockpit.

24 V DC section:
All the onboard utilities and engine starting/controls are supplied by 24 Volt current; the system comprises:
Dolphin 24 Volt 50 A battery charger
Engine starter batteries charged by starboard engine or battery charger
Service batteries charged by port engine or battery charger; Batteries parallel relay; Battery cut-out switch for each group of batteries; 12 Volts supplied by power pack for VHF and instruments

12 V DC section:
The generator uses a 12 Volt system to start, comprising:

Dolphin 12 Volt 10 A battery charger
12 Volt generator starter battery with remote battery cut-out switch

220 V AC section:
50 A shore power intake in cockpit with cable. General bipolar magnetothermal switch with 30 mA differential protection

Generator
3.5 kW electric generator set

Batteries
2 180 Ah batteries to start engines (24 Volt, 180 Ah, 1100 CCA)
4 180 Ah batteries for services (24 volt 360 Ah)
1 80 Ah battery to start generator (EMI 3.5 kW generator)

Bilge Pump System
3 automatic pumps directly wired to battery bank or manual activation through switches at helm station • Manual pumping system with 2 hand pumps which draw from 3 watertight compartments • Engine room emergency bilge system with change-over valve on engine cooling system • Audible alarms in wheelhouse and fly • Visible alarm in wheelhouse.

Fire Fighting System
Controlled via emergency panel in cockpit, includes: Air vent closing by mechanical control in cockpit • mechanical control in cockpit to pump out engines • One 12 kg powder cylinder with nozzles on engines and gearboxes installed in waterproof compartment in accessories room • One SEAFIRE powder cylinder (gas employed: FM-200) in engine room to pump out room. Extractors and engines cut off by Seafire control unit simultaneously with gas discharge. Change-over switch for emergency generator start-up in cockpit panel.

Fuel System
Two stainless steel tanks, maximum capacity 1500 l. • Tanks connected with 1" pipe • level gauge for portside fuel tank in wheelhouse • Visual level indicator on starboard tank • Racor filter.

Fresh Water System
Stainless steel tank, maximum capacity 500 l (132 US gls) • One 12 V pressure pump with 12 l/min with 8 litre compensation tank (with remote reset) • Hot and cold running water in all toilets and galley • Cold water line to engine room and flybridge • Stainless steel water heater with 40 l capacity and 220 V, 800 W electric element or heated by engine heat exchanger • WC wash circuit with fresh water • Chain washing system • Automatic grey water collection tank • Electronic tank level gauge in wheelhouse.

Black/Grey Water System
Built-in HTS vacuum system (single unit with tank, pumps, vacuum, macerator) 133 l black water tank • 58 l grey water tank • High level alarm in wheelhouse • Macerator pump • Possibility to empty black water by suction on deck • Possibility to empty black water directly outboard.

Seawater System
One 1" _ seawater intake with filter and valve for generator • Two 2" dynamic seawater intakes with filters and valves for engines • Two 1" dynamic seawater intakes with filters and valves for engines • Chain washing system with seawater intake and 24 V pump installed at bow.

Engine Exhaust
Underwater engine gas exhaust • Exhaust pipes with silencers • Idling exhaust.

Ventilation
Blower in engine room and two 24 V extractors (diameter 305 mm) • Natural ventilation of engine room • Galley air extraction via 24 V blower • Natural ventilation for head compartments.