

405

Grand'Large



DUFOUR|405
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>>> TECHNICAL DATA >>>

Architects : Umberto Felci & Patrick Roséo

L.O.A.:12,17 m
Hull length:11,90 m
Waterline length:10,63 m
Max beam:3,98 m
Light displacement (approx.) :8.080 Kg
Standard draft :2,03 m
Optional draft:1,75 m
Standard keel weight (approx.)2 336 Kg
Optional keel weight (approx.)2 414 Kg
Air draft:16,95 m
Fuel capacity:200 L
Water capacity:380 L
Engine power:40 CV (29.1 kW)

>>> SAIL AREA >>>

Sail area, close-hauled: 81,90 m²
Mainsail: 36,60 m²
Genoa: 45,30 m²

>>> SAIL PLAN >>>

I :14,55 m
J :4,51 m
P :13,50 m
E :4,60 m
LP (140 % overlap)6,314 m

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>>> CONSTRUCTION >>>

- Hand laminated GRP hull.
- The NPG gelcoat (the first layer of cloth is impregnated with NPG resin) forms an optimum barrier against osmosis.
- Inner moulded hull bottom, structural grid laminated to the hull. Deck in Balsa core sandwich, made by Infusion process.
- Draft 2.03 m, cast iron keel, bolt loads taken up by stainless steel backing plate.
- Semi-elliptical rudder, filled with closed cell epoxy-foam. Stainless steel, solid stock.



>>> DECK & DECK FITTINGS >>>

- Teak handrails on coach roof. Wooden toe rail.
- Self-draining chain locker with eye bolt and integrated windlass bracket, lid with locking bolt.
- Stem head fitting, double anchor roller.
- Pulpit with wooden step and separate green/red LED navigation lights.
- Pushpits with horseshoe buoy bracket, flag pole holder, navigation light, and opening cable gate with hook. Stanchions with two levels of life line.
- Six aluminium mooring cleats. Single stainless steel chain plate for cap shrouds/aft lower shrouds. Two chain plates for the backstay. Two deck fillers for water and one for fuel.
- Mainsheet track on and adjustable traveller on coach roof. Boom vang.
- Genoa sheet tracks with piston lead blocks. Genoa

sheet turning blocks on cockpit coaming.

- 4 and 3 sheave deck organizers for halyard returns, mainsail sheet and reefing lines.
- Stainless steel swan neck electric/electronic cable gland. 9 clutches on coach roof.
- Two x 32 ST halyard winches on the roof.
- Two x 44 ST genoa winches on cockpit coamings close to the helmsman.

>>> COCKPIT >>>

- Teak trimmed seats, GRP sole.
- 2 large side lockers with lids fitted with padlock hasps.
- GRP steering pedestals.
- Rudder stock head under helmsman's sole for installing the emergency tiller.
- Engine lever and control panel easily to hand for the helmsman on the starboard side.
- Transom open in centre with a tipping helmsman's seat giving access to the swim/boarding platform.
- Gas cylinder locker starboard aft. Life raft stowage in dedicated locker in front of helmsman seat.
- Cockpit shower in port aft locker.
- Inbuilt telescopic stainless steel bathing ladder.
- Bancs de cockpit et siège barreur recouverts de teck.

>>> SAILS & RIGGING >>>

- Anodised aluminium mast with double swept backed spreaders, deck stepped.
- Anchor, steaming and deck light. Boom topping lift cleat.
- Anodised aluminium boom equipped with two single line reefing system.
- Genoa furler. Grounded rigging system.
- Continuous standing rigging in single strand stainless steel cable and chrome plated bronze turnbuckles including: forestay, double backstay, cap shrouds, inter and lower shrouds.

- Pre-stretched running rigging including: Main and Genoa halyards, boom topping lift, Main and Genoa sheets, two reefing lines, outhaul line, Mainsheet car control line, furling line, boom vang tackle.
- Mainsail equipped with two broad reef bands, with battens and bag. Furling Genoa with anti-UV protection.

>>> VENTILATION & LIGHTING >>>

Very efficient ventilation ensured by :

- 7 deck hatches with integrated "mushroom" ventilators, 4 opening port-lights on roof with curtains
- 8 hull port-lights as well as 4 fixed port-lights add to the saloon's natural brightness.
- Numerous ceiling spotlights and reading lights come in a chrome finish.

>>> INTERIOR >>>

- All joinery work is finished in prime choice Moabi mahogany, with fiddles, mouldings and framings in solid wood.
- Cabin doors have a blocking system in order to keep them open where necessary.
- Soles are laminated floor boards in Moabi.
- Saloon cushions and mattress fabrics have removable covers.
- The cabin linings are in stylish white marine plywood.

>>> COMPANIONWAY >>>

- Sliding companionway hatch and washboard in Plexiglas with stops and lock.
- Curved wooden steps and access to engine by lifting stair case on jacks.
- Two handrails.
- Dedicated stowage for companionway door inside the boat.

>>> FORWARD CABIN >>>

- Large berth approximately 195 cm long with a 10cm thick mattress with washable cover.
- Under the berth: 160 litre water tank and access to stowage locker.
- Full length shelf with sea-fiddle over the berth alongside the hull. Large hanging locker with shelves.
- Access to navigation instrument transducers.

>>> FORWARD HEAD >>>

- Spacious head compartment with shower. Manual marine toilet, moulded washbasin, large mirror
- and chrome plated brass mixer tap with shower unit. The shower has direct drainage by an electric pump.
- 45 L Holding available as an option.

2 cabin version



3 cabin version



>>> AFT HEAD >>>

- Manual marine toilet, moulded washbasin, large mirror and chrome plated brass mixer tap with shower unit.
- The shower has direct drainage by an electric pump.
- 50 L holding tank as standard.

>>> SALOON >>>

- A large U-shaped settee is on the port side with cushions made out of foam with washable covers. A central fixed settee has a hinged stowage area underneath.
- Further stowage is available under seats and behind backrests.
- Stowage lockers with doors and bookshelf above the settee.
- Big saloon table with integrated plate holder.
- Stainless steel mast pillar.
- 4 hull port lights to bring light into the interior.

>>> GALLEY >>>

- L-shaped galley in the 2 cabin version.
- Longitudinal shaped galley in the 3 cabin version.
- Worktops in Corian®, Double stainless steel sink.
- Chrome plated brass mixer tap for pressurised water.
- Two burner cooker with oven and grill on gimbals.
- 12V electric refrigerator unit (180 litres) with both frontal and top opening.
- Cutlery drawer and PVC stowage baskets.
- Upper cabinets, one of which can house a microwave oven.
- Crumb tray under sole.

>>> CHART TABLE >>>

- Large format chart table with a hinged desk top.
- Ergonomic wooden seat with stowage underneath and covered with a white vinyl cushion.
- 12 V electric switch panel alongside the chart table in the 3 cabin version.
- Storage and drawer under chart table top.

>>> AFT CABIN(S) >>>

- Double berth approximately 193 cm long. 10 cm thick mattress with washable cover.
- Large hanging locker with double door and shelf above.
- Shelf with sea-fiddle over berth.
- 200 litre fuel tank under starboard berth. 200 litre water tank under port berth.
- Battery switches on the vertical area of the starboard berth.
- Technical area with storage facilities between aft berths.

>>> ENGINE >>>

- Volvo 40 hp (29.1 kW). Sail-drive transmission.
- Heat exchanger, anti-siphon valve. Large capacity sea water strainer.
- Control panel close to helmsman with hour meter, engine stop and tachometer.
- Alternator with battery isolator.
- 200 l fuel tank with gauge on electrical switchboard.
- Fuel filter with water separator.
- Emergency fuel shutoff handle.
- Engine room ventilation blower, and two ventilation hoses.
- Two-blade fixed propeller.
- Access to the engine from front and both sides.
- Independent engine bilge.
- Quality sound proofing using high density foam.

>>> PLUMBING >>>

- Polyethylene tanks have a total capacity of approximately 360 litres with inspection plates and electric gauges on tanks. Pressurised water system, 20 litre water heater.
- Electric bilge pump with strainer and controls on switchboard. Manual bilge pump operated from the cockpit.
- Bilge integrated in hull and keel with easy access to strainer under floor boards.

- Drainage of shower water by pumps direct to the sea, easily accessible under the washbasins.

>>> ELECTRICITY >>>

- 12V DC system. Switchboard with circuit breakers, voltmeter, 12V outlet.
- 1 x 100 Ah engine battery. 1 x 100 Ah service battery. Switch for each battery.

>>> MISCELLANEOUS >>>

- Two winch handles with holder.
- Owner's briefcase with owner's manual.

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*The descriptions, illustrations, etc. given are for information only.
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