

- Standard Description -

405



DUFOUR | 405

Grand'Large

- DUFOUR 405 *Grand'Large* - Standard description - September 2010 -



DUFOUR
YACHTS

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Grand'Large

>>> TECHNICAL DATA >>>

Architects :..... Umberto Felci & Patrick Roséo
L.O.A.: 12,17 m / 40 ft
Hull length: 11,90 m / 39 ft
Waterline length: 10,63 m / 34.9 ft
Max beam: 3,98 m / 13.1 ft
Light displacement (approx.) : 8.990 Kg / 17,820 lbs
Standard draft : 2,03 m / 6.8 ft
Optional draft: 1,75 m / 5.7 ft
Standard keel weight (approx.) 2 340 Kg / 5,158 lbs
Optional keel weight (approx.) ..2 450 Kg / 5,410 lbs
Air draft: 16,95 m / 55.6 ft
Fuel capacity: 200 L / 53 gallons
Water capacity: 380 L / 100 gallons
Engine power: 40 CV / 40 HP (29.1 kW)

>>> SAIL AREA >>>

Sail area, close-hauled: 81,90 m² / 845 sq ft
Mainsail: 36,60 m² / 394 sq ft
Genoa: 45,30 m² / 451 sq ft

>>> SAIL PLAN >>>

I : 14,55 m / 47.9 ft
J : 4,51 m / 14.9 ft
P : 13,50 m / 44.3 ft
E : 4,60 m / 15.1 ft
LP (130 % overlap) 6,31 m / 19 ft

>>> CONSTRUCTION >>>

- Hand laminated GRP hull.
- The NPG gelcoat (the first layer of cloth is impregnated with NPG resin) forms an optimum barrier against osmosis.

- Polyester inner moulded hull bottom, structural grid laminated to the hull.
- Polyester 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 epoxyfoam. Stainless steel, solid stock.



>>> DECK & DECK FITTINGS >>>

- Wooden hand rails on the roof.
- Toerail in solid wood.
- 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 halyard winches on the roof.
- Two genoa winches on cockpit coamings close to the helmsman.

>>> COCKPIT >>>

- Both cockpit seats port and starboard and the helmsman seat covered in FSC Iroko.
- 2 large cockpit lockers. Lids fitted with gas cylinders and 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.
- Telescopic bathing ladder in stainless steel integrated in the aft platform.
- Gas cylinder locker starboard aft.
- Storage compartment for a life raft, easily accessible from the cockpit and aft platform.
- Cockpit shower in port aft locker.

>>> SAILS & RIGGING >>>

- Anodised aluminium mast with double swept backed spreaders, deck stepped.
- Anchor and steaming light.
- Boom topping lift cleat.
- Anodised aluminium boom equipped with two single line reefing system.
- Genoa roller furling system.
- Continuous standing rigging in single strand stainless steel cable and chrome plated bronze turnbuckles including: forestay, double backstay, cap shrouds, intermediate 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.
- Floor in solid Moabi wood.
- Saloon cushions and mattress fabrics have removable covers.
- Cabin lining in white coloured 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.
- Bath room with integrated wash basin in synthetic «Corian®» stone.
- Chrome plated brass mixer tap hot/cold.
- Large mirror.
- The shower has direct drainage by an electric pump.
- 45 L Holding available as an option.

>>> AFT HEAD >>>

- Spacious head compartment with shower.
- Manual marine toilet.
- Bath room with integrated wash basin in synthetic «Corian®» stone.
- Chrome plated brass mixer tap hot/cold with shower head.
- Large mirror.
- 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 (optionally on sliders).
- Further stowage is available under seats and

behind backrests.

- Big saloon table with integrated plate holder.
- Stowage lockers with doors and bookshelf above the settee.
- Stainless steel mast pillar.
- 4 hull port lights to bring light into the interior.

>>> GALLEY >>>

- Galley with large work top in synthetic Corian stone.
- L-shaped galley configuration in two cabin version.
- Longitudinal galley configuration in three cabin version.
- 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.
- Open and closed storage lockers.
- One of the lockers 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.
- Instruments console.
- 12 V electric switch panel alongside the chart table in the 3 cabin version.
- Storage and drawer under chart table top (3 cabin version).
- Closed lockers above the electric switch panel (in 3 cabin version)

>>> 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.
- Full length shelf with fiddle alongside the cabin lining.
- 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.
- Earthed rig.



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The descriptions and illustrations given are for information only.

Our models may be subject to certain production improvements or modifications without notice.



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