

SINERGIA 40'

- **THE REAL CRUISER RACER IN IMS AND IRC.**

A fantastic 40 footer designed by Marcelino Botin and Shaun Carkeek. A cruiser racer that combine the high performance with a really comfortable cruiser philosophy. The common sense has used in order to keep a high quality and good resale value.

The SINERGIA 40" is a competition boat and no compromises have been taken. Aimed at the motivated owner and crew who wish to compete seriously, have fun and win without losing or costing a fortune.

The glass sandwich hull has the optimised keel and rudder. The deck is an excellent working platform and a large deep cockpit is both safe and user friendly.. Its cockpit seats make it comfortable for racing or cruising. The equipment is of the best, almost exclusively Frederiksen and the metalwork is of high-grade stainless steel. The mast with double spreader is proportioned to have powerful performance and complete control.

Internally the accommodation is made of lightweight modules that are bonded to the hull adding strength. This conceals the extensive moulded backbone which gives great rigidity carrying the rig and keel loads.

Trimmed with quality hardwood yet practical for everyday use. The saloon has a main bulkhead, two settees, a table, chart table and generous "L" galley. Two independent double cabins, and one forward separate cabin and a full-equipped head complete the internal distribution.

HULL AND DECK

- **HULL AND DECK ESTRUCTURE**

Built to BUREAU VERITAS approved plans and laminated with epoxy and vynilester resins reinforced using hybrids E and S glass multiaxial fabrics. Exterior hull and deck is isoftalic gel coat. All the materials are anti-osmosis certificate.

The main structural bulkhead, as well the rest of the bulkheads, are vacuum made with epoxy resin and assembled to the hull with biaxial fabrics.

Deck is foam cored and completed with the hybrid glass high modulus multiaxials, having backplates for the working points. High adherence non-slip surface is on the deck.

Moulded GRP structural floor longitudinal and engine bed to carry rig and keel loads. Big reinforcements for the keel area and ruder bearings area are moulded on hull as well.

- **DECK EQUIPMENT**

The deck equipment is as follows:

- ❑ 2 x two speed winches for genoa sheets (size 46)
- ❑ 2 x two speed winches for halyard and spin sheets (size 46)
- ❑ 2 x two speed winches for main sheet (size 50)
- ❑ Round forward hatch. Ports fitted on the coachhouse.
- ❑ Stainless steel special Sinergia 40 pushpit, pulpit, stanchion and chainplates.
- ❑ Stainless steel lifelines to ORC specifications.
- ❑ 2 hatches to cockpit lockers.
- ❑ Efficient sail trimming systems throughout.
- ❑ Adjustable genoa and traveller cars, and high power backstay system.

SPARS AND RIGGING

- **Spars and Rigging**

The mast, fractional, with double spreader, in aluminium or carbon (optional), discontinuous rigging, boom, rigid vang and spinnaker pole (optional).

- **MAST OPTIONS**

ALUMINIUM

P= 15,9 m E= 5,45 m I = 14,4 m J = 4,56 m

Sparcraft tapered mast, F460 anodised section, with a boom F810 anodised section, Dyform standing rigging with Ronstan turnbuckles.

CARBON

P= 16,7 m E= 5,45 m I = 16,2 m J = 4,56 m

Mast "Espace Composites" with Navtec or OS rod rigging. Ready to be changed into non overlapping genoa into a overlapping genoa configuration.

RUNNING RIGGING

1 main halyard	1 genoa halyard	2 spinn halyards
1 spi toping lift	1 reef line	1 main sheet
1 mainsheet traveller	2 mainsheet genoa	2 genoa sheet

KEEL

High lift, low centre of gravity hand faired keel including a large plate with and internal strong structure. All lead antimonium. Epoxy treatment to avoid corrosion. Linked to the hull internal structure, with the 10 30 mm diameter stainless steel bolts.

CABIN

Main saloon is fitted with port and starboard settees, table, crew lockers and storage, sculptured foam cushions with quality fabrics.

Navigation station with provision for all equipment and electronics and chart.

Galley has two burners, oven and grill, circular stainless steel sink, storage area for crockery, drawer for cutlery. Large capacity icebox. Optional freezer electric equipment.

Moulded engine cover incorporating companionway steps.

Enclosed ventilated head with sink, lockers, shower and toilet.

Forward cabin with double berth, sail storage below, big round forehatch, gear storage and hanging locker.

The twin double cabins are large with stowage below, with lockers and independent.

PLUMBING

The plumbing equipment is:

- Fresh water system to galley and head, with modern design faucet.
- Two 100 l fresh water tanks.
- Flush through hull fitting with special sea cock where applicable.
- Two manual bilge pump, one internal, one in cockpit.
- One electric bilge pump.
- Shower in head.
- Optional a pressure group system, hot water and cockpit shower.

ELECTRICAL

The electrical equipment of the Sinergia 40 is:

- Recessed halogen overhead lights in the galley, saloon, chart table, head. Bulkhead halogen lamps in the cabins.
- Three 80 A batteries, one for star engine, two services requirement, complete with switch.
- Optional battery shore charger.
- Optional converter 12 V into 220 V.
- Complete panel with switches and breakers and volts and amps indicators.
- Optional freezing system.

MECHANICAL AND STEERING

- 40 HP Volvo diesel with sail drive and alternator, sea water cooling, fuel tank, wet exhaust system and transom discharge.
- Single lever control in cockpit.
- Engine instrument panel with tachometer and alarm.
- Two blade folding propeller.
- Balanced hand made spade carbon rudder and stock with custom rudder bearings JP3.
- 1,8 m carbon wheel.
- Optional automatic pilot.