

# CR 430

## Technical standard specification

### Certification

The boats are built according to the CE norm and are certified by IMCI. Each boat is controlled during the building time.

### Hull and deck

In the hull and deck we are using isopolyester with glassfibre reinforcement and multiaxial roving, everything made by hand, according to the sandwich method with divinycell as distance material. The colour is white, NGA Gelcoat, with inserted dark blue stripes. A hull construction consisting of stringers, engine bed, mastfoot and keel reinforcement is integrated and laminated from stem to stern. All structural bulkheads are laminated to the hull and deck.

Bath platform with bath ladder is inserted into the stern. All horizontal surfaces in the deck, superstructure and cockpit are sandwich construction. Cockpit, winch plates and the bath platform are laid with 12 mm teak. Hull and deck is joined with 8-mm acidproof bolts.

### Keel

The keel is made of lead with antimony, weight 4 300 kg. The keel is bolted to the hull with M24 acidproof bolts and construction glue. The rudder has two bearings, stainless steel shaft.

### Mast

19/20 rig from made in silver anodised aluminiumprofile, that's going through the deck and stands on the internal bottomgrid. Two pairs of swept spreaders. Mechanical backstay adjuster. Rodkick with gasspring. Halyards and reefs to the cockpit, the reef is manouvered with a single line system. The mast is equipped with steaminglight, decklight, Windex and pilotlines for later addition of halyards. Seldén Furlex 310 S.

### Steering

2 wheels, each 100 cm in diameter. Leather covered Stainless steel wheels. One compass by each wheel.

### Deckgear

Toe rails in aluminium with internal deck drains to avoid smears to topsides. Two handles in Stainless steel. Eight skylights, where of one is an emergency exit for the owner's cabin. Four windows in hardened glass in stainless steel frames. One portlight by the pantry and one in the toilet. Mooring cleats in stem, stern and two springcleats amidships. Pulpits, integrated seats in aft. Gateway on each side. Two genoa winches in stainless steel, Andersen 52 ST. Genoa bars with travellers. Anchorbox in the stem, with a separate compartment for the chain to the anchor windlass. Two Doradeventilators to the saloon, one to the galley and one to the toilet. Shower handle on the bathplatform with hot and cold water. Teak on the deck. Ventilator to the owners cabin.

Steamheadfitting with integrated step and fastening point for the gennacker. Anchorwinch 1000 W with 40 m of chain and 20 Kg stainless steel "Bruce" anchor. Raymarine ST 60 speed, depth and wind mounted on a large instrument console above the entrance.

### Cockpit

A large and generous cockpit with large lockers. A blue sprayhood, serves as a good protection towards rain etc. Two separate storage rooms for gastubes on the sidedecks. Main sheet bar with adjustable stoppers. Two halyard winches in Stainless steel, Andersen 40 ST. Two outlets for the drainage of the cockpit. Separate compartment for the liferaft.

### Engine

4-cylinders, freshwater cooled turbodiesel, 55 hp. Saildrive with a 3-blade folding propeller. The engine room is well isolated with 30 mm sound isolation. All service points have an easy access. The hot warmwater circuit goes through the 40 l warmwater boiler that is well isolated. A Large filter for the Seawater. Fuelfilter with water and dirt separator. Engine start via the separate 75 Ah 12V battery.

### Electrical system

Two separate electrical circuits. One 24 V system with a switchboard by the navigationseat. The switchboard is equipped with automatic fuses, switches, Diesel-, water- and voltmeter. The 24 V system have 210 Ah for lights etc. A 12 V system for the engine with 75 Ah. A 24 V 65 Amp alternator is charging the 24 V batteries. A 12 V 80 Amp is charging the engine battery. 230 V system with electric central containing automatic fuses. Batterycharger 40 Amp.

### Tanks

All tanks are made in Stainless steel. 2 fuel tanks. The main tank is mounted in the centre of the boat under the floorboards and contains 205 l, it's equipped with a fuel gauge. The other tank contains appr. 100 l, hose to the main tank with a cut off valve.

2 watertanks is placed under the saloon floor two on each side totally appr 400 l. One water gauge on each side. Piped to the Freshwater pump that has a filter. The tanks have hatches to be able to clean it.

The toilet aft is connected to a septic tank that is placed up under the deck in the aft storage room. It is emptied either by gravity or by deck pump out.

The toilet in the front is connected to a septic tank that is placed up under the deck in the anchor box. It is emptied either by gravity or by deck pump out.

The boats has two shower pumps that takes care of the water from the toilet compartments and is then automatically pumped over board.

### Sails

Mainsail and 135% Genoa in Triradial Cut Laminate quality. The mainsail is equipped with 2 reefs,

modelmark, boatnumber, telltales, sailbag and blue mainsail cover.

### **Heating and Refrigeration**

Heater, Eberspächer, 5.0 kW. Outlets in the toilet compartments, saloon, aftcabins and forward cabin. All the outlets except the one in the saloon can be regulated separately. Since the hull and deck are well insulated the heating and consequently electrical consumption will be minimal.

A water cooled Isotherm SP system is fitted for the refrigerator. The magazine is mounted in a well isolated refrigerator. A Isotherm SP Freeze unit is mounted in a well isolated deepfreeze box.

### **Interior**

The interior is made out of khayamahogany with carefully made carpentry satin varnished. Varnished teak floorboards with light wood inserts. Cushions covered with high quality furnished fabric, choosed by the customer. Curtains to the windows in the saloon.

There is different interiors and materials to choose from.

### **Owners cabin**

Double berth 200 cm long. Shelves over the berth. Three wardrobes, one with shelves. Sofa on SB side. A lot of stowage under the berths. Two skylights.

### **Front Toilet**

Washbasin and floor in laminate for easy cleaning. Pump toilet connected to a holding tank. Corian® around sink area. Skylight for light and ventilation. Pressurised hot and cold water. Shower pump.

### **Saloon**

Large comfortable U-sofa on BB side and a sofa on SB side. A table with integrated bottle locker. Handles in the roof. Shelves and lockers on both sides. On SB side there is also a Navigation area with a large charttable. A large circuitboard with automatic fuses. Plenty of room to install instruments etc. Three drawers.

### **Galley**

The pantry is L-shaped, to get a good workingarea. Double sink with pressurised hot and cold water, dustbin, gimballled 2-flame cooker with oven. Portlight above the cooker for ventilation. A large well insulated ice box with refrigeration unit plus an Refrigerator. The bench is made out of Corian®. Plenty of cupboards and drawers. Rörstrand China for 6 persons and glasses from Orrefors.

### **Toilet**

Washbasin and floor in laminate for easy cleaning. Pump toilet connected to a holding tank. Corian® around sink area. Portlight for light and ventilation. Pressurised hot and cold water.

### **Aft cabin SB**

A wide double berth, 200 cm long. Wardrobes and lockers over the bed. Skylight and a portlight to open. The skylight also works as an emergency exit.

### **Aft cabin BB**

A wide double berth, 200 cm long. Wardrobes and lockers over the bed. Skylight and a portlight to open. The skylight also works as an emergency exit.

### **Other equipment**

The hull is treated with epoxyprimer and two times with antifouling paint.

Four mooringlines.

Six fenders.

### **Tankvolumes:**

Water:	appr 400 l
Fuel:	appr 300 l
Septic front:	appr 54 l
Septic aft:	appr 60 l
Warmwater:	40 l

### **Weights:**

Displacement:	appr: 10 000 kg
Keel:	appr: 4 300 kg

With reservation for changes.