

Specifications ARCONA 430

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LOA	13,15 m	Mainsail	62,0 m ²
LWL	12.05 m	Genoa 3	51,8 m ²
Beam	3,98 m	Genoa 1.	66 m ²
Draft	2,28 / 2.55 m	Engine	Yanmar 40 hp
Displacement	9200 kg		

CE certification

The Arcona 430 is built to comply with the highest CE Category (A ocean) standards.

Hull and deck

Hull and deck of sandwich construction of multiaxial glass fibre reinforced vinylester with a 20 mm core of Divinycell. Solid laminate used for rudder, engine bed, keel attachment, all through-hull and other fittings. Vacuum bagged laminate to hull and deck for maximum control of laminate thickness and glass fibre content. White hull and deck are standard with two inserted dark blue waterlines and racing stripe. The deck is bolted to the hull with 8 mm stainless steel bolts with nuts and washers.

Bulkhead and cabins

Construction of Arcona boats is highly advanced. We don't believe in cutting corners. Instead of using inner liners, we laminate bulkheads and berth fronts to hull and deck, providing unsurpassed strength and torsion stability.

Structural Bulkhead

The Arcona 430 has all structural bulkheads laminated to the hull and deck. A centrally placed steel girder bolted to the main bulkhead and to laminated glass fibre stringers efficiently takes up the loads from the keel and rig.

Keel

The keel is an antimony hardened lead bulb bolted to a cast-iron fin, to obtain the lowest possible center of gravity. Steel blade protected from rust by a layer of glass fibre bonded to a smooth surface.

Rudder

The rudder is made of glass fibre with multiaxial roving, filled with polyurethane foam; rudder stock of solid water-resistant aluminium laminated into the rudder. Self-aligning roller bearings to minimise friction; the rudder is also supported axially by ball bearings.

Steering

Arcona 410 is fitted with 2 steering pedestals with cable steering for optimal responsiveness and feel. Rudder quadrant made of aluminium bolted to the rudder stock. Emergency tiller mount on top of rudder stock. Stainless wheels with diameter 0,9m. Steering pedestals with stainless guard and room for chartplotters.

Deck

Deck equipment from Harken includes 2 x 60 AST jib winches, 2 x 46 AST halyard winches and 2 x 46 AST mainsheet winches. (AST = aluminium, self tailing) 12 x SZ D2 rope clutches, 2 x 6-sheave 60 mm halyard organizers. Genoa tracks SZ2 with adjustable traveller equipped with slide rods pulled into cockpit. Mainsheet track and traveller fitted with recirculating torlon ball package; mainsheet within easy reach of crewman or helmsman. 4 x stainless steel 350 mm mooring cleats and 2 x 300 mm midship mooring cleats. Toe rail in teak, bolted to deck and hull. Reversed bow pulpit for easy boarding, fitted with red/green navigation light. Split stern pulpit with navigation light and flagpole mount. 10 stanchions, 610 mm high, mounted on robust bases bolted to hull and deck, double lifelines 19 ply wire with turnbuckles. Quick release wire gateway between split stern pulpits. Stainless steel chainplate bolted to deck and equipped with tie rods anchored to the steel girder. Stainless steel forestay fitting for recessed roller bolted to hull. Backstay attachment bolted to hull and deck in transom. Anchor well on the foredeck and large covered watertight dry locker astern.

Cockpit

Spacious cockpit with integrated bathing platform has two aft storage lockers with room for anchor, lines, inflatable boat, outboard motor, etc. Under the floor between the stern lockers is another spacious storage locker for life raft, etc. In the sides in the aft portion of the cockpit are compartments for gloves and at the front edge of the coaming toward the cabin are two compartments with hatches that elegantly hide all halyards. Cockpit coaming, aft deck and sole in teak. Bathing platform covered with teak, ss ladder.

Hatches and portlights

Lewmar or similar hatches and portlights in silver anodised aluminium with smoke-coloured glass. Over the forepeak 1 flush deck hatch 520 x 520mm; over the forward head 1 flush hatch 420 x 420 mm; and over the saloon 1 flush hatch 620 x 620 mm. In the aft head 1 SZ 4 porthole, 191x645, and above the navigation table 1 SZ 4 porthole. In side of cabin over saloon and galley 4 fixed custom window vents in aluminium frames. In the two aft cabins 1 SZ 0 porthole, 176x323, against the rear of the cabin and also 1 SZ 4 in the cockpit side in each cabin. shade with mosquito netting for forepeak hatch. Mosquito netting for all portholes. In the hull there are 4 recessed windows 2 facing the saloon and 2 facing the aft cabins. Sliding hatch with teak handle in smoke plexiglas over companionway. Companionway hatch, also in smoke plexiglas, is permanently mounted in guides that extend down into a storage pocket below cabin sole level; the hatch does not have to be removed and stored elsewhere – just slide it down into its own pocket.

Sprayhood and sail cover

Robust dark blue canvas sprayhood mounted on 3-arched stainless steel frame which when folded elegantly stores in its own "garage" in the coach roof. Mainsail cover in dark blue canvas.

Mooring equipment

Galvanized 20 kg Bruce-type anchor including 45 m line. Four 10 m x 18 mm mooring lines and 6 fenders 250 x 800 mm.

Mast and rig

Seldén mast and rig with tapered masthead, triple spreaders. Mast equipped with Windex, running lights, deck lighting, spinnaker boom track and Furlex 300 jib furling system.

Boom with internal single line reef and outhaul. Rodkick with gas spring and tackle led to cockpit.

Standing rigging is discontinued Dyform wire (19-ply profiled wire for minimum stretch) with bronze turnbuckles. Backstay adjusted with mechanic backstay tensioner.

Running rig: 1 main halyard, 1 jib halyard and 1 spinnaker halyard, all of 12mm Spectra.

Mast prepared for duplication of all halyards with blocks at outlets and pilot lines. All halyards and sheets conveniently stored in integral halyard bins in front edge of cockpit coaming.

Furlex jib furling system

The Arcona 430 is equipped with the Furlex 300 TD jib furling system, with the drum placed below deck and furling line led to the cockpit.

Halyards, sheets and reefing lines

All halyards, sheets and reefing lines are led via channels under the coach roof. The German mainsheet system is led through channels below deck to the cockpit.

Blocks

All blocks made by Lewmar or of comparable quality.

Engine

The Arcona 430 is equipped with a Yanmar 3 JH4 CE / 50 SD

40 HK 3-cylinder diesel engine with saildrive mounted with flexible rubber engine mounts in a heavily sound-insulated engine compartment.

2-blade folding propeller, single lever controls and control panel with tachometer and lights as well as warning buzzers for low oil pressure, generator malfunction and high engine temperature.

Fuel tank

The Arcona 430 has a stainless steel 200-liter fuel tank with gauge, shut-off valves and fuel filter, tank mounted under sb. Saloon settee.

Heating, Water, Sanitation

Fresh water system with hot and cold pressurised water system, about 300-litre stainless steel water tank fitted with gauge, mounted under port saloon settee.

Single lever faucet in galley and in both heads, forward head also features separate shower.

The 40-liter water heater is heated via the engine's coolant system or through an immersion heater that runs automatically when shore power is connected.

Shower pumps

Showers drain with a special drain pump.

Bilge pumps

1 manual bilge pump mounted in cockpit and 1 electric, both with intake in the keelson.

Electrical installations

12 volt system. Control panel in navigation station with switches and automatic fuses, voltmeter for service battery bank, fuel gauge and water gauge, 12 V outlet. Wherever possible cables are drawn through hoses and cable organisers.

Batteries

1 x 12 V 70 AH ignition battery, 2 x 105 AH AGM-type batteries for general use mounted in box and aired via separate conduit.

Shore power

230 V stainless steel intake with tightly sealing cover mounted in cockpit, 20 m cable for shore hook-up. Shore power panel with earth fault breaker, main power switch and outlets mounted in navigation station. Water heater and battery charger outlets.

Lighting

Ceiling lighting in saloon, cabins and in heads consists of recessed spotlights, below deck in saloon more spotlights with dimmer in the navigation station to provide atmospheric saloon lighting.

All cabins are equipped with roofamps and two bulkhead-mounted reading lamps.

Navigation Lights

Internationally approved navigation lights, 1x combi port/ starbord lantern LED mounted on bow pulpit, stern light Led mounted on stern pulpit and engine running lights on the mast. Mast is also equipped with deck lighting and is prepared for additional lights, type 3 colour and anchor lights. A 130mm illuminated compass is mounted at the wheel pedestal.

Interior

Interior of select mahogany, varnished to a high-gloss satin finish. Laminated mouldings, door frames and stairs; varnished teak soles. Hatches in soles for easy bilge access. All ceilings in white vinyl with mahogany trim, sides in mahogany trim.

Arcona 430 is available with two different interior layout options.

Option 1: Longitudinal galley with three separate cabins; the two aft cabins feature generous double berths (2.05X1,6X1,1m). Port aft cabin features double closet with shelves and hanging locker; shelf over berth. Starboard aft cabin features hanging locker and shelf above berth.

Navigation station to port: spacious navigation station with ample space for charts. Above the table is a specially designed control panel (see section on electrical equipment) and large curved mahogany panel with room for navigation equipment. Seat aft of navigation table equipped with curved settee for convenient use at sea. Drawers under table.

Aft head is spacious with interior in plastic for easy cleaning, white laminate countertop and stainless steel sink. Marine toilet with 70-liter stainless steel holding tank, drain in hull and on deck. Shower drained to sump tank. Single lever faucet with pullout spray for sink and shower with hot and cold water. Wet hanging locker.

Saloon to port with inviting and generous U-shaped settee (2.6x1.3m) fixed oval table (1.4x0.8m) and separate 2-seat settee opposite. Shelf above seat backs; above it two lockers with a bookshelf in between. In the extension of the settee against the main bulkhead is a small table/bar.

Galley is spacious (2.65x0.6m) with plenty of lockers and drawers, white laminate counter, deep stainless steel double sinks. Gimballed stainless steel 2-burner stove with oven, well insulated cooler that can be used as freezer/refrigerator mounted below the aft counter, above it room for a separate 65-liter refrigerator. Standing gas container mounted in drainage area in aft storage locker.

Owners cabin is a generous forward cabin with an "island bed" (2.05X1,7X1,2m.), double berth where you can sleep with your head at the forward for easy access in and out of the berth. Forward of this is a shelf and above it a locker. To starboard, a double hanging locker with shelves and hangers, seat with stowage.

The forward head is a spacious area with plastic module for easy cleaning, white laminate counter with recessed stainless steel washbasin. Nautical toilet with about 70-liter holding tank, drainage through hull and on deck. Separate shower drained to the sump tank. Single lever faucet for hot and cold water in washbasin.

Port aft cabin. with large double berths (2000X1000X1500) , shelve with locker above the berth and a double wardrobe with shelves and a hanging locker.

Starboard aft cabin with large double berth (2000X1000X1500) , shelve with locker above the berth and wardrobe for hanging clothes.

Option 2: *Aft cabins and owners cabin* same as option 1

Galley to port at an angle (1.75X1.8x0.7m), spacious and efficient with plenty of lockers and drawers. White laminate counter, two deep stainless steel sinks, 2-burner stainless steel stove with oven. Single lever faucet with hot and cold water. Well-insulated cool box and space for separate 65-liter refrigerator on counter.

Navigation station to starboard, forward of the aft head. Spacious navigation station with large table containing drawer for charts. Above the table is a custom designed control panel (see section on electrical equipment) and large curved mahogany panel with plenty of space for navigation equipment. Seat with curved settee for convenient use at sea. Drawers under table.

Saloon is traditional in style, with settees opposite one another. U-shaped settee (2.2x1.2m) to port, double drop-leaf table with integrated bottle locker; settee (1.95x0,7m) to starboard. Shelves above the settees and above these, two lockers with a bookshelf in between, same on both sides.

Cushions

Cushions manufactured in high-quality polyether of variable density suitable for settees and berths; Cushions come standard with high-quality upholstery; the collection features a number of colours. Upgrades available to other fabrics, leather or alcantara, for some or all cushions, at an additional cost.

Other Equipment

3 x 2-kg fire extinguishers, 1 fire blanket and fire port in the engine compartment. Flag and flagpole. Spray-hood and mainsail cover in dark blue canvas.

Arcona Yachts AB reserves the right to alter the design, price or equipment without any advance notice.
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