



  
**415**

# INTRODUCING THE NEW ARCONA 415

## The first yacht with Zero Emission propulsion as standard

With her beautiful lines, modern hull shape, open transom, more accessible stowage and increased light, she continues in the tradition of Arcona 410 as a quality performance cruiser with superb attention to detail.

The Arcona 415 is equipped with an Oceanvolt Servoprop 15kW electric propulsion system, with variable pitch propeller technology. It has a 19kWh battery pack as standard.

The impressive pace, comfort, great lines and ability to sail with ease even in difficult weather conditions will continue in the Arcona 415. The Arcona 415 will have twin wheels which were first introduced to the Arcona fleet on the Arcona 410. She combines exceptional sailing performance whether cruising or racing with roomy comfort for family and crew.

With an open transom as standard, the Arcona 415 will be easy to step on board when moored stern to or accessing from a

dinghy. An open transom is ideal as it is self-draining in high seas and gives great access to the lazarette stowage aft.

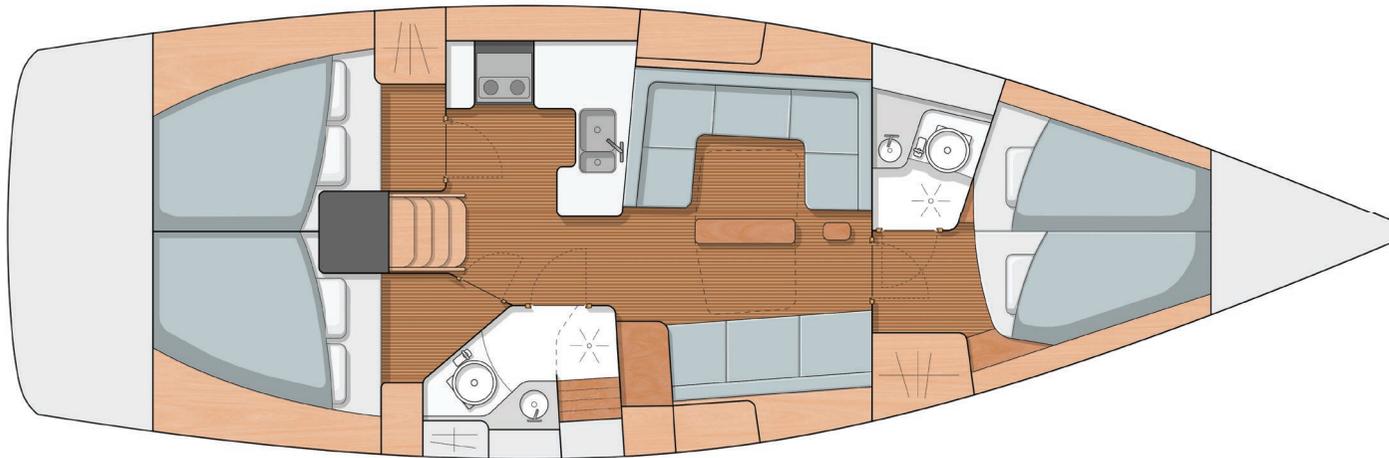
The coachroof windows will be one uninterrupted tinted glass recessed window in keeping with the coachroof lines. The hull portlights will be slightly bigger and rectangular instead of the previous eclipse-formed windows.

The Arcona 415 reflects the quality expected from Swedish boat builders using the latest materials, advanced techniques and handpicked suppliers. Her lay-up, which incorporates a 20mm Divinycell foam core, employs the latest vacuum infusion technology. All bulkheads are bonded to the hull and deck for added strength. At the heart of the boat is the galvanised steel cradle, taking all the dynamic loads of rig, mast and keel, ensuring that the boat is strong, stiff as well as responsive. Her keel design and balanced rudder, together with the thoughtful deck layout and wide side decks make her easy to handle under sail.



# INTERIOR DESIGN

The Arcona 415 can be built as a three or two cabin version and with the option of one or two heads compartments. The interior is beautifully handcrafted in rich Khaya Mahogany and there is the option for the interior to be in Scandinavian Light Oak too for a more contemporary look.



The updated hull and coachroof windows allow lots of natural light below deck which creates an even more appealing space, and, in addition, each reading light in the cabins has the addition of a USB port to charge your technology.

The Arcona 415 has a spacious saloon and a classic galley which is well-equipped with plenty of storage.

All the berths are full length and wide. The forepeak is so wide that you can sleep with your head forward.

The engine and tankage are easily accessed.

Bright, functional, well thought-out and beautiful, you will appreciate your Arcona 415 more and more each year.

# TECHNICAL DATA

Design: **Stefan Qviberg/Arcona Design Team**

Category:	<b>A-Ocean</b>
Length Overall:	<b>12.20 m</b>
Length Waterline:	<b>11.20 m</b>
Beam:	<b>3.9 m</b>
Draft:	<b>2.00/2.20/2.50 m</b>
Displacement:	<b>7800 kg</b>
Mast Height:	<b>19.80 m</b>
Water Capacity:	<b>230 l</b>
Hot Water:	<b>25 l</b>
Holding Tank:	<b>75 l</b>
Main:	<b>57 m<sup>2</sup></b>
Jib 107%:	<b>45 m<sup>2</sup></b>
Spinnaker:	<b>148 m<sup>2</sup></b>
Gennaker:	<b>132 m<sup>2</sup></b>
Motor:	<b>Oceanvolt 15kW motor</b>
Sail Drive:	<b>SD15</b>
I.	<b>16.60 m</b>
J.	<b>4.55 m</b>
E.	<b>5.85 m</b>
P.	<b>16.20 m</b>
LP (107%).	<b>4.92 m</b>



## HULL AND DECK

Hull and deck built in a sandwich construction with multiaxial glass fibre reinforced vinyl ester, the core material is 20mm 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 glued to the hull with vinyl ester glue for maximum strength and rigidity.

## BULKHEAD AND CABINS

The 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 415 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 centre of gravity. Steel blade protected from rust by a layer of glass fibre faired to a smooth finish.

## RUDDER

The rudder has a completely new design made of glass fibre with multiaxial roving, filled with core material; rudder stock of solid water-resistant aluminium tapered at both ends for weight saving and laminated into the rudder. Self-aligning roller bearings to minimise friction; the rudder is also supported axially by ball bearings.

## STEERING

Arcona 415 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 chart plotters.

## DECK

Deck equipment includes: Harken 2 x 50 AST primary winches, 2 x 46 AST halyard winches. (AST = aluminium, self tailing) 12 x Spinlock XCS rope clutches, 2 x 6-sheave 60mm halyard organizers. Genoa tracks from Harken with adjustable traveller equipped with recirculating trolon ball package pulled into cockpit. Mainsheet track and traveller fitted with recirculating trolon ball package; mainsheet within easy reach of crewman or helmsman. 4 x stainless steel 350mm mooring cleats and 2 x 300mm midship mooring cleats. Toe rail in teak, bolted to deck and hull. Reversed bow pulpit for easy boarding, fitted with red/green LED navigation light. Split push pit with LED navigation light and flagpole mount. 10 stanchions, 610mm high, mounted on robust bases bolted to hull and deck, double lifelines 19-ply wire with turnbuckles. Quick release wire gateway between push pits. Chain plates, stainless steel forestay fitting and recessed Furlex headsail roller. Backstay attachment bolted to hull and deck in transom. Anchor well on the foredeck and large sail locker astern.

## COCKPIT

The spacious cockpit with integrated bathing platform, has two large aft storage lockers with room for anchor, lines, fenders etc. The aft lockers give improved access to storage areas whilst providing a spacious crew area on the aft deck. Foldable foot chocks ensure a great helmsman position heating and in rough seas. At the front edge of the coaming, towards the cabin, there are two compartments that elegantly hide all halyards and trimlines.

## HATCHES AND PORTLIGHTS

Lewmar (or similar) hatches and portlights in black anodised aluminium with smoke-coloured glass. Over the forepeak 1 flush deck hatch 600 x 600mm; over the saloon 1 flush hatch 600 x 600mm. In the head 1 porthole, and above the

galley 1 porthole, in front of these 2 fixed windows on each side. In both aft cabins 1 porthole 176 x 323mm, against the rear of the cabin and 1 pc 191 x 645mm in the cockpit side. Blind with mosquito netting to forepeak and saloon hatch. In the hull there are 4 upsized recessed windows 2 facing the saloon providing a decent outward view sitting in saloon sofa and 2 facing the aft cabins. Sliding hatch with teak handle in smoke Perspex over companionway. Companionway hatch, also in smoke Perspex, is divided in two with storage close to companionway. 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 coachroof. Mainsail cover in dark blue canvas.

## MOORING EQUIPMENT

Galvanized 15kg Bruce-type anchor including 45m line. Four 8m x 14mm mooring lines and 6 fenders 250 x 650mm.

## MAST AND RIG

Mast and rig with tapered masthead, two pair of spreaders. Mast equipped with Windex, running lights, deck lighting and spinnaker boom track. Boom with internal single line reef and outhaul. Rodkick with gas spring, all tackle led to cockpit. Standing rigging is discontinued wire (19-ply profiled wire for minimum stretch) with bronze turnbuckles. Backstay adjusted with multiblock 48-1 backstay tensioner. Running rig: 1 main halyard and 1 jib halyard, both of 10mm 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.

## FURLING JIB FURLING SYSTEM

The Arcona 415 is equipped with Profurl 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 coachroof.

## BLOCKS

All blocks are made by Harken or of comparable quality. Pad eyes and shackles are from Wichard.

## MOTOR

The Arcona 415 is equipped with an Oceanvolt Servoprop 15kW electric propulsion system, with variable pitch propeller technology. It has a 19kWh battery pack as standard.

## HEATING, WATER, SANITATION

Fresh water system with hot and cold pressurised water system, about 230 litre stainless steel water tank fitted with gauge, mounted under port saloon settee. Single lever tap in galley and heads. The 25 litre water heater is heated via the engine's coolant system or through an immersion heater that runs automatically when shore power is connected.

## HOLDING TANK

75 litre stainless holding tank mounted behind the wash basin. The tank empties by gravity through a sea cock or via a deck fitting.

## SHOWER PUMPS

Shower drains 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, monitoring display for service battery bank, water gauge and 12V outlet. Wherever possible cables are drawn through conduits and cable organisers. A 48V/5000 kVA charger/inverter is installed under the beds in starboard aft cabin. A 48/12V DC/DC converter provides the domestic house batteries with charge whenever needed.

## DOMESTIC BATTERIES

2 x 90Ah AGM batteries for general use mounted in box and aired via separate conduit.

## 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 LED. All cabins are equipped with roof lamps and two bulkhead-mounted reading lamps. All reading lamps are equipped with USB outlet for charge access throughout all cabins.

## NAVIGATION LIGHTS

Internationally approved navigation lights, one starboard and one port 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 on the instrument panel at the companionway.

## INTERIOR

Interior of selected 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.

## GALLEY

Galley to port at an angle, 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 tap with hot and cold water. Fridge with two lockers and 3 baskets for easy storage.

## NAVIGATION STATION

To starboard, forward of the aft heads. Above the table is a custom designed control panel (see section on electrical equipment).

## HEADS

Heads is spacious with interior in plastic for easy cleaning, white laminate countertop and stainless steel sink. A separate full height shower compartment with a seat well divided from toilet area. Marine toilet with 75 litre stainless steel holding tank, drain in hull and on deck. Single lever tap with pullout spray to sink and shower with hot and cold water from separate mixer. Wet hanging locker.

## SALOON

Traditional in style, with settees opposite one another. U-shaped settee to port, double drop-leaf table with integrated drawers for bottles and glasses, settee to starboard. Shelves above the settees and above these, locker and bookshelf, same on both sides.

## CABINS

Owners' cabin is a generous forward cabin with a double berth with easy access in and out of the berth. To starboard, a double hanging locker, to port locker with shelves, seats with stowage. Optional full size forward heads available.

Port aft cabin with large double berth, shelves above the berth and a double wardrobe with shelves and a hanging locker, small table and stowage under the berth.

Starboard aft cabin with berth as on port, wardrobe for hanging clothes. Small table and stowage under the berth.

## 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-like, for some or all cushions, at an additional cost.

## OTHER EQUIPMENT

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



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