

# SALDA

## AmberAir Compact

New Generation EUROVENT  
certified air handling units.



[www.salda.lt](http://www.salda.lt)

## A Trusted Leader in Ventilation Solutions

For over 30 years, SALDA UAB has been a reliable partner in delivering high-quality ventilation solutions to customers worldwide. With a commitment to flexibility, innovation, and adherence to the toughest European standards, SALDA UAB consistently provides top-of-the-line products to meet the ever-evolving needs of the market.

## Global Reach and Expertise

With a strong global presence, SALDA UAB exports its products to over 30 countries, including all European countries, the Middle East, North Africa, South America and North America. This demonstrates our capacity to deliver exceptional ventilation solutions to customers worldwide.

## Certification that Matter

As a member of the Eurovent Association since 2015, we've been part of the air handling unit (AHU) certification program since 2013. When Eurovent Certita Certification announced hygienic AHU requirements in 2016, we were the first to develop a truly hygienic AHU. Our ongoing pursuit of excellence is further confirmed by our ISO 9001:2015 certification, reflecting our commitment to top-quality products and services.

## Investing in Our Future

At SALDA UAB, we consistently reinvest in advanced production tools, employee training, and product innovation to lead the ventilation industry. Our facilities, spanning 50,000 m<sup>2</sup>, employ over 300 experts.

We understand the significance of environmental conservation and have actively reduced our ecological impact. This year, we planted 17,000 trees, fostering a greener future. Beyond reforestation, we've installed solar panels on our factory roof and invested in off-site solar stations.

## Choose SALDA UAB for Your Ventilation Needs

When you choose SALDA you're not only investing in a high-quality product, but also in a company with a long-standing reputation for excellence and reliability. To ensure our products live up to this reputation, our products undergo a thorough examination at an accredited lab. Furthermore, we hold ourselves to the highest level of quality control—every unit is rigorously tested at the end of the production line, affirming our commitment to delivering only the best for our customers.

Scan QR to see how we planted 17,000 trees



In an era where the emphasis on energy efficiency and environmental responsibility is paramount, selecting the right Air Handling Units (AHU) can significantly impact both your carbon footprint and operational expenses.

## The Eurovent Certita Certification ensures you're investing in top-tier performance.

This isn't a mere performance test but a holistic evaluation encompassing selection software consistency checks, periodic factory audits, and real unit performance tests. This rigorous certification process assures that AmberAir Compact AHUs deliver as promised. Moreover, the associated energy efficiency label simplifies the product selection process for planners, installers, and end-users, ensuring the perfect fit for varied applications. For those prioritizing hygiene, there's an added option to assess hygienic properties.

The AmberAir Compact aligns seamlessly with these stringent standards. The accompanying energy efficiency label and optional hygiene property evaluation serve as essential tools for experts keen on optimizing system integration and performance.

SALDA UAB has been a corresponding member of the Eurovent Association since 2015 and has been participating in the *Eurovent Certita Certification*'s air handling unit (AHU) certification program since 2013. In 2016, Eurovent Certita Certification released its requirements for hygienic AHUs, and SALDA is proud to be the first company to have developed and manufactured a truly hygienic AHU.



## Future of air handling

Unlock a world of comfort with our innovative air handling units, effortlessly integrating with your building infrastructure for optimal environment control. With precision management of multiple heating/cooling coils housed in a compact, energy-efficient design, ease of installation and maintenance is guaranteed.



New AmberAir Compact S line is equipped with new generation energy saving EC fans along with counterflow or rotary heat exchanger. Reliable MCB automatics and control devices are installed inside of ventilation units to guarantee reliable operation during whole exploitation period.





## Fans

EC motors with high performance composite or metal impellers are selected for optimal noise and energy efficiency performance.



## Integrated electrical heater, changeover coil or DX coil

Integrated coils minimize the need of extra installation costs also minimizes the need of additional space for installation of external accessories.



## LD50 Casing with highest characteristics on the market

High class thermal insulation T2/TB2, airtightness L1(M) and D1(M) casing strength class characteristics. Ergonomic doors can be removed to transport through narrow doors and for servicing in tight places.



## Air flows rearranged

Outdoor and exhaust air connection on the same side for counter-flow units.



## Automatics integrated inside the casing

Convenient servicing of outdoor units. No need to disassemble the roof for maintenance.



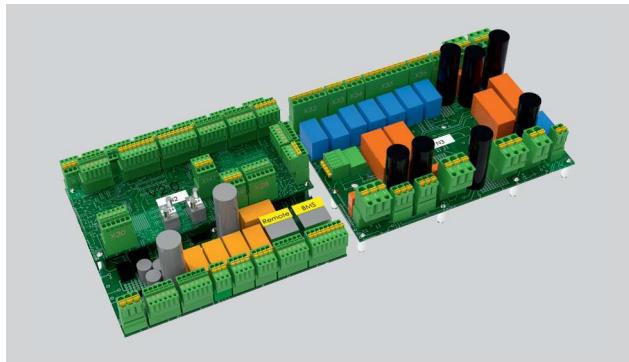
## 0-10 V bypass control

New type control of by-pass increases heat exchanger defrosting efficiency, thus minimizing energy consumption during winter.



## Pocket type filters

Pocket filters with ePM1 55% (F7) classification for supply filters and ePM10 65% (M5) classification for extract filters. The built-in filter monitoring system constantly measures pressure drop of the filter to monitor condition.



## MCB control board

Reliable control board with additional functions. Plug&Play controls.

## The counterflow range

## AmberAir Compact S CX

AmberAir Compact S CX is a complete air handling unit with multiple options for integrated coil, counter-flow heat exchanger, integrated automatics, sensors, supply and extract air filters and fans.



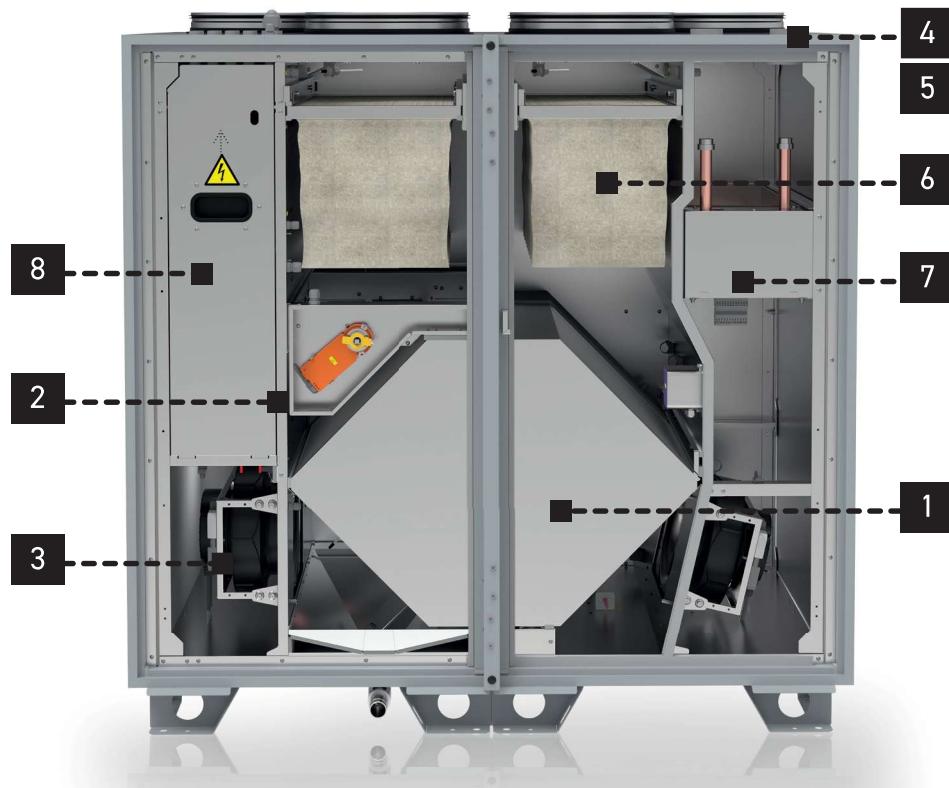
- High performance heat exchanger. Recovery capacity over 80 % (dry, EN308). ✓
- Sizes up to 2000 are designed as a single case units. ✓
- Indoor and outdoor (for horizontal version) application. ✓
- Variable air volume control (VAV) as an accessory. ✓
- Constant air volume control (CAV) as standard. ✓
- Best frameless casing on the market. ✓
- Airflow range: 500 up to 10500 m<sup>3</sup> / h. ✓
- Plug&Play MCB control system. ✓



**Vertical installation position:** sizes 1000, 1500, 2000, 3000, 4000, 5000.

**Horizontal installation position:** sizes 1000, 1500, 2000, 3000, 4000, 5000, 7000, 9000.

## Construction of AmberAir Compact S CX



1 Counterflow heat exchanger.  
Condensing, aluminum.

2 Full by-pass. 0-10V control.

3 EC type fans, plastic or metal impellers.

4 Casing: coated galvanized steel panels  
with mineral wool insulation (50 mm).

5 Casing properties: D1(M), L1(M), T2,  
TB2, F9

6 Pocket type filters: ePM1 55 % /  
ePM10 65 %. Pollution monitoring:  
pressure switches.

7 Electrical or changeover coil for  
vertical version; Electrical heater,  
changeover or DX coil for horizontal  
version.

8 Integrated control board inside  
the casing.

CONSTRUCTION

## The rotary range

## AmberAir Compact S R

AmberAir Compact S R is a complete air handling unit with multiple options for integrated coil, rotary heat exchanger, integrated automatics, sensors, supply and extract air filters and fans.

Available in AlZn casing.



High performance heat exchanger with a recovery capacity over 80 % (dry, EN308). ✓

Sizes up to 1500 are designed as a single case units. ✓

Condensation, Enthalpy and Sorption rotors as an option. ✓

Indoor and outdoor (for horizontal version) application. ✓

Variable air volume control (VAV) as an accessory. ✓

Constant air volume control (CAV) as standard. ✓

Best frameless casing on the market. ✓

Airflow range: 500 up to 10500 m<sup>3</sup> / h. ✓

Plug&Play control system MCB. ✓

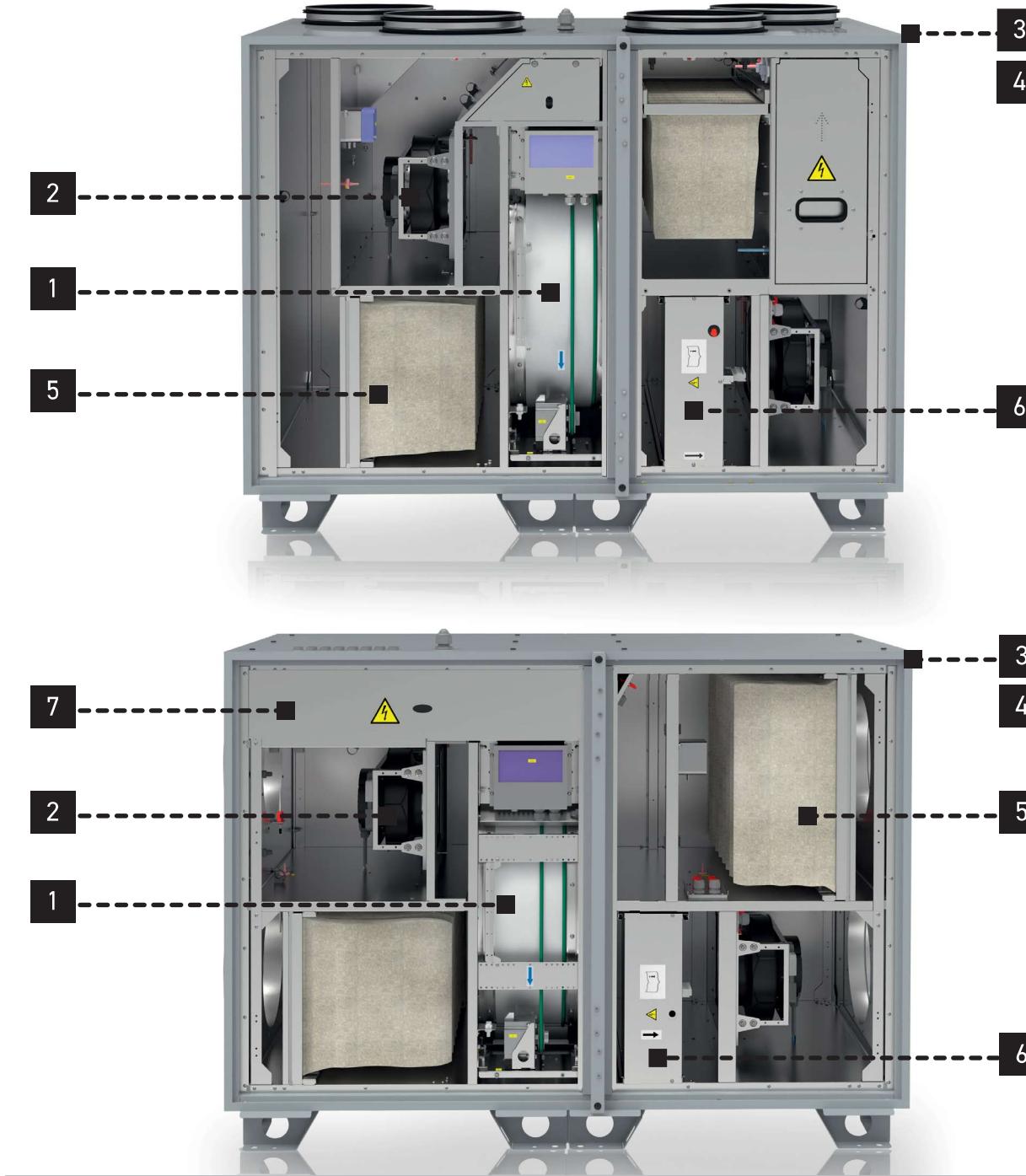
Available in AlZn casing. ✓



**Vertical installation position:** sizes 1000, 1500, 2000, 3000, 4000, 5000.

**Horizontal installation position:** sizes 1000, 1500, 2000, 3000, 4000, 5000, 7000, 9000.

## Construction of AmberAir Compact S R



1 Rotary heat exchanger.  
Condensing, Sorption or Enthalpy.

2 EC type fans, plastic or metal impellers.

3 Casing: coated galvanized steel or  
AlZn panels with mineral wool  
insulation (50 mm).

4 Casing properties: D1(M), L1(M),  
T2, TB2, F9.

5 Pocket type filters: ePM1 55 % /  
ePM10 65 %, Pollution monitoring:  
pressure switches.

6 Integrated coil options: electrical,  
water changeover or DX coil.

7 Integrated control board inside  
the casing.

CONSTRUCTION



**L1**

## Air Tightness

Classification according to EN 1886 (-400 Pa)

Classification according to EN 1886 (+700 Pa)

**D1**

## Casing Strength

Classification according to EN 1886 (1000 Pa)

**T2**

## Thermal transmittance

Thermal transmittance class according to EN 1886

**TB2**

## Thermal bridging factor

Thermal bridging class according to EN 1886

**F9**

## Filter bypass leakage class



Devices of all sizes are designed to fit through the standard door size of **890 mm**



Larger units are split into sections.



## Additional benefits of horizontal version ➤

Optional roof allows horizontal versions of AmberAir compact S to be mounted outside. The casing allows easy access for maintenance even with a roof.

Removable flange allows to mount a factory prepared Comfort Box (same casing specifications as the unit).



Comfort Box available with:

- DX Coil
- Water Heater

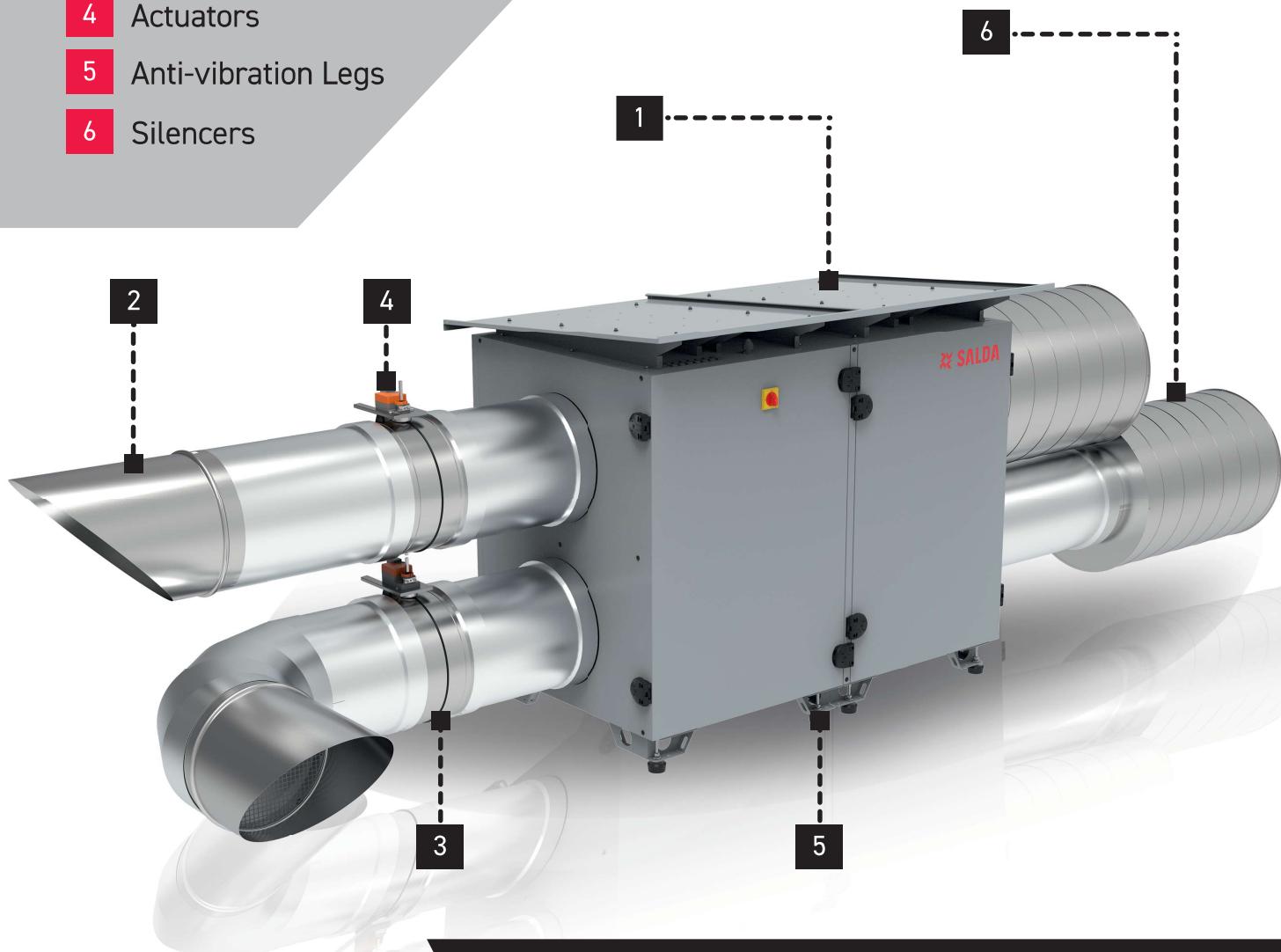
### Control 3 heating/cooling coils simultaneously

The AmberAir Compact S, in its horizontal configuration, efficiently and simultaneously controls 2 cooling / heating circuits and additional pre-heater when needed – including Integrated, Comfort Box, and duct-mounted coils like AVS, AVA, and AVA-DX.



# Accessories

- 1 Roof Kits
- 2 Outlet-Intake Covers
- 3 Shut-off Dampers
- 4 Actuators
- 5 Anti-vibration Legs
- 6 Silencers



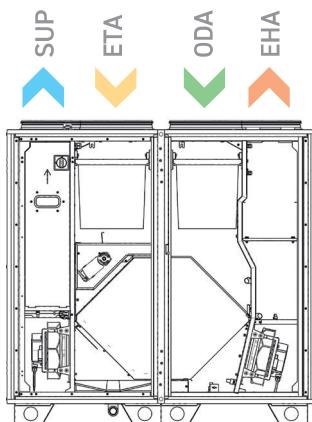
## Other Accessories

- Controllers ↗
- Room CO2 sensors ↗
- Duct CO2 sensors ↗
- Room humidity sensors ↗
- Duct humidity sensors ↗
- Smoke detectors ↗
- MB-Gateway ↗
- Constant pressure control kit ↗

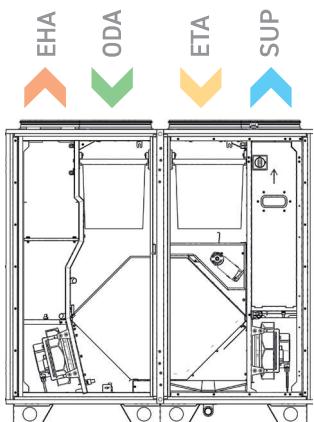
\* this layout is for visual purposes only



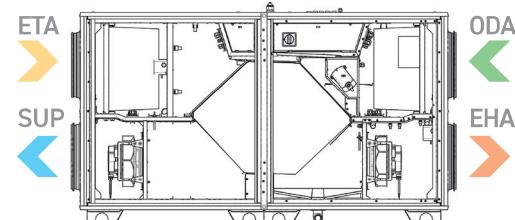
## Duct connections and mounting positions ➤



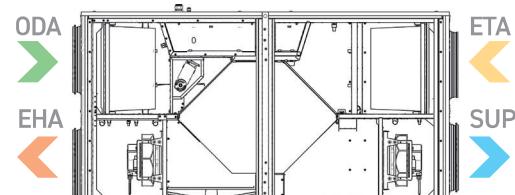
AmberAir Compact S-CXV  
(left version)



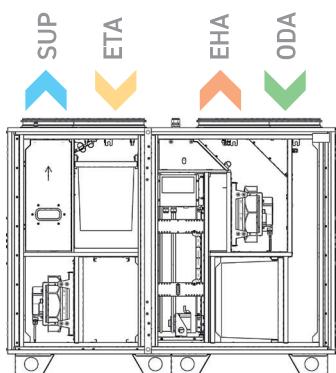
AmberAir Compact S-CXV  
(right version)



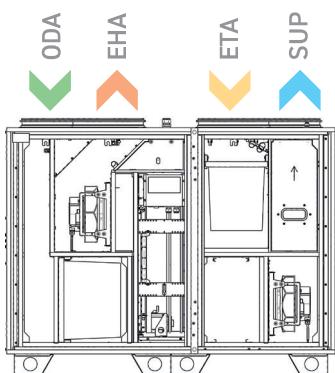
AmberAir Compact S-CXH (left version)



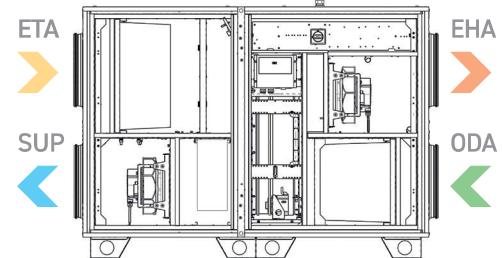
AmberAir Compact S-CXH (right version)



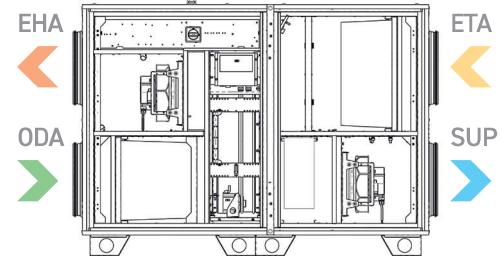
AmberAir Compact S-RV  
(left version)



AmberAir Compact S-RV  
(right version)



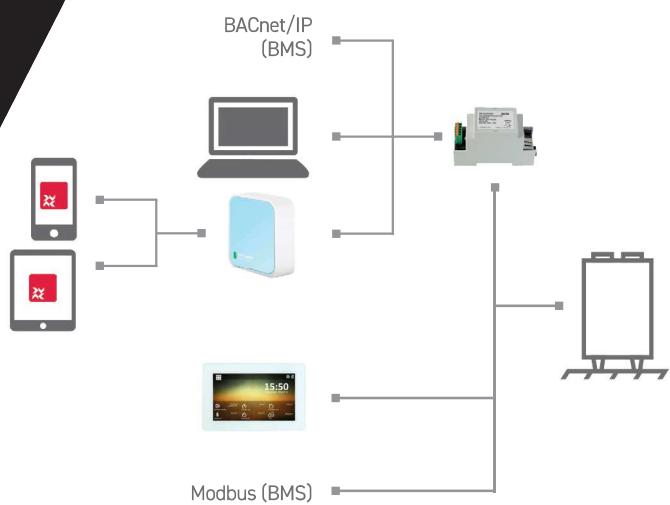
AmberAir Compact S-RH (left version)



AmberAir Compact S-RH (right version)

## Integrated advanced MCB control board: ➤

- Demand control ready ventilation.
- Control by smart HMI.
- SaldaAir app, PC control and BMS (Modbus TCP / IP, BACnet / IP) via MB-Gateway.
- Fire damper control and testing.
- El. heater / preheater 0-10V control.
- Water heater / preheater control and protection.
- DX / water cooler changeover control.
- Constant airflow as standard.



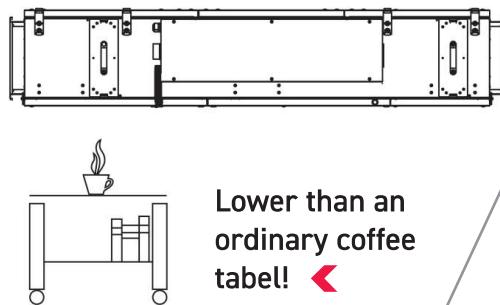
## AmberAir Compact CXP

- Lowest height among all ceiling AHU in the market.
- Three mounting positions: under the ceiling, on the floor or roof, or horizontal by the wall.
- CD50 casing: D1(M), L1(M) T3, TB2, F9
- Suitable for outdoor mounting under all European climatic conditions with an optional 50 mm cover and a roof.
- AmberAir Compact CXP is equipped with an electrical heater or water heater for automatic supply air temperature control.

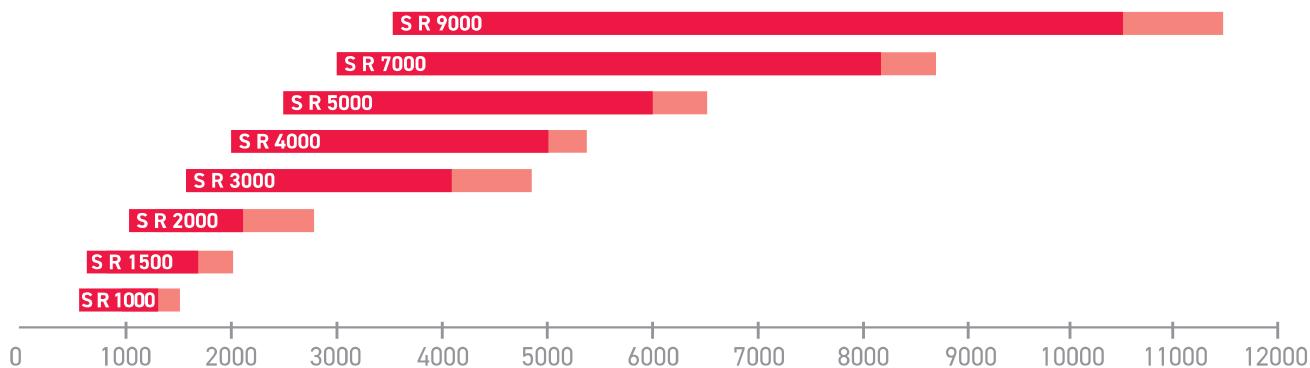


### AmberAir Compact CXP height

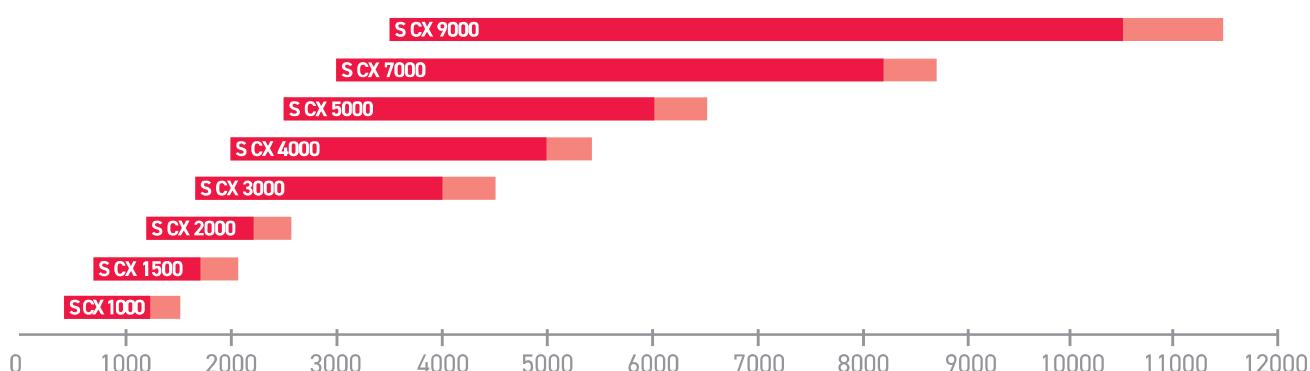
AmberAir Compact 1CXP	385 mm
AmberAir Compact 2CXP	400 mm
AmberAir Compact 3CXP	400 mm
AmberAir Compact 4CXP	500 mm



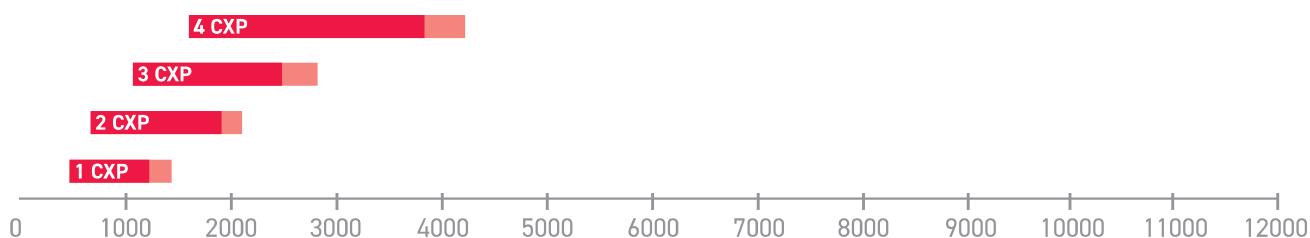
## AmberAir Compact S R



## AmberAir Compact S CX



## AmberAir Compact CXP



█ Airflow at 250 Pa external pressure drop

█ Airflow at 0 Pa external pressure drop



## select.salda.lt – a comprehensive guide to optimal ventilation solutions

At SALDA UAB, we understand the complexities involved in selecting the perfect ventilation unit for your needs. With a wide range of products, each boasting unique features and capabilities, the choice can often feel overwhelming. That's why we've created select.salda.lt which is a selection tool designed to guide you to the ideal solution based on your specific project parameters.

### With select.salda.lt, you gain access to:

- **Comprehensive Product Information:** You'll find detailed profiles of each of our products, complete with diagrams, documents, and valuable marketing information, equipping you with a complete understanding of our offerings.
- **Comparative Analysis:** Evaluate and compare our products according to your unique needs and project parameters. Navigate your choices with the knowledge and confidence to make the right selection.
- **Smart Suggestions:** Enter your project parameters and let our tool do the rest. It will suggest the product that best suits your requirements, removing guesswork from your decision-making process.
- **Performance Calculation:** Utilize the tool's built-in capabilities to calculate performance, ensuring the ventilation unit you choose meets your efficiency requirements.
- **Excel Export Function:** to share data with your clients or your team, effortlessly export all your selection tool projects to an Excel file or PDF.
- **Customizable Settings:** With the option to set default settings for different climate zones, select.salda.lt adapts to your needs, providing reliable recommendations regardless of your geographic location.

Make your selection journey an easy, efficient, and informed one. Choose select.salda.lt, the comprehensive selection tool by SALDA UAB – your key to navigating the world of SALDA residential ventilation.



2 year  
warranty

All units come with a  
standard 2 year warranty.



5 year  
warranty

Extended 5 Year Warranty  
available for all units.

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