

## AmberAir Compact CXP



- Counterflow heat exchanger
- R-COVERY by SALDA
- $Q_v \leq 3.400 \text{ m}^3/\text{h}$
- Horizontal
- Heat recovery unit with efficiency  $\geq 75\%$

## Compact air handling units (counterflow) type AmberAir Compact CXP

- Flat heat recovery unit with counterflow heat exchanger, either without battery or with integrated post-heating battery (electric or water), for indoor installation. The unit is suitable for mounting in a false ceiling, on the floor or against the wall. The units are available with a flow rate up to approx.  $3.400 \text{ m}^3/\text{h}$  and have rectangular connections
- Outside mounting only possible in horizontal mounting with a roof (option)
- The unit is EPB-tested according to NBN EN 308

### Brand

- R-COVERY by SALDA

### Application

- Ventilation for residential and non residential applications
- For indoor installation (ceiling model; floor or wall mounting possible with optional accessories)
- Outside mounting only possible in horizontal mounting with a roof (option)

### Composition

- Outer panel in galvanised steel RAL7040 (Grey) (corrosion class C3)
- Inner panel in galvanised steel (corrosion class C2)
- 50 mm insulation
- Mineral wool insulation, fire class A1
- Rectangular connections
- Motorised registers and flexible sleeves (OPTIONAL)
- Built-in heating battery available (electric or water)
- Automatic 100% bypass
- Standard Modbus communication
- MB-GATEWAY communication possible with Modbus/BACnet/TCP-IP (Webserver or App)
- Standard constant flow control
- Optional constant pressure,  $\text{CO}_2$  or humidity control (sensors not included)
- Filter detection via pressure switch
- Control not included

### Fan

- Direct driven EC DC fan with backward curved impeller
- Constant flow control

### Exchanger

- High efficiency counterflow heat exchanger in aluminium  $> 79\%$
- With condensate tray in stainless steel

### Filter

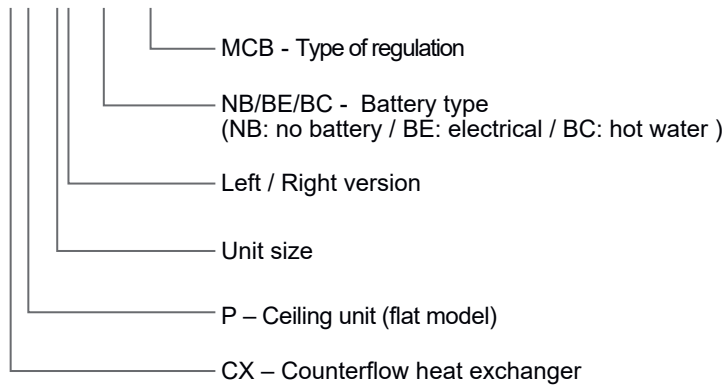
- The AmberAir Compact CXP is equipped with panel filters M5 - ISO 16890 ePM10 55% (extraction) / F7 - ISO 16890 ePM1 70% (supply)

### Regulation & functions

- Integrated, intelligent regulation (plug & play)

### Versions

#### AmberAir Compact CXP-4L BE MCB



### Certification

- Tested according to NBN EN 308: [www.epbd.be](http://www.epbd.be)
- Tested according to EUROVENT classifications according to EN 13053
  - Mechanical strength: D1
  - Airtightness class: L2/L3 (+700Pa/-400Pa)
  - Thermal transfer class: T3
  - Thermal bridge factor: TB3
  - Filter leakage: F9

### Mounting

- The device is delivered in 1 part

### Accessories

- Touchscreen controller, type **TS-AIR**
- Airtight control valve, type **AKH**
- Air outlet, type **UT**
- Connection piece, type **MTS**
- Roof for outside installation, type **RF-HRS**
- CO<sub>2</sub> sensor, type **DOX/E** or **WOX/E(-D)**
- Replacement filters, type **FS-RIS**

### Order example

- AmberAir Compact CXP-4L BE MCB

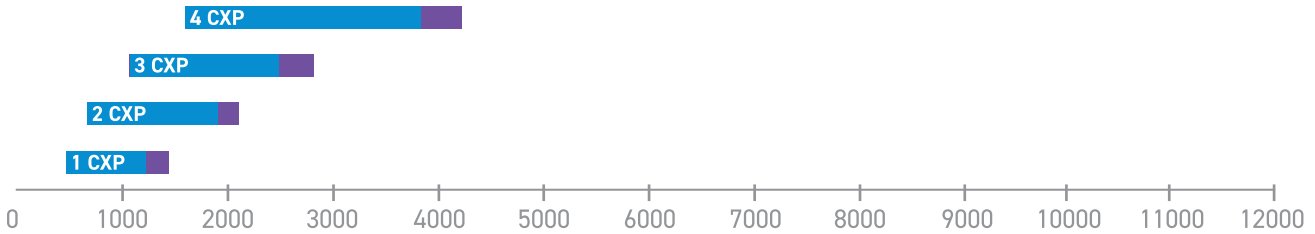
#### Explanation

CXP = with counterflow heat exchanger

- 4 = construction size
- L = left-hand version
- BE = electric post-heating
- MCB = type of regulation

**Selection curves**

m<sup>3</sup> / h



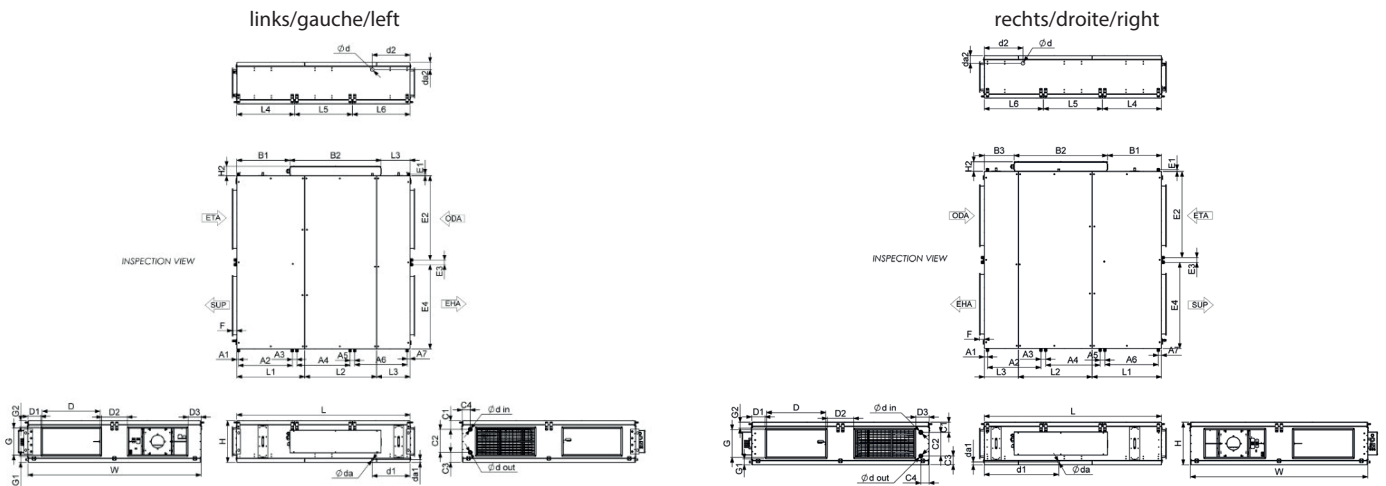
Въздушен поток при 250 Pa външно налягане

Въздушен поток при 0 Pa външно налягане

EPB values			
	Q [m <sup>3</sup> /h]	η t,epb [%]	Pelec,epb [W]
AmberAir Compact CXP-4	2992	79	1729

- Q = Flow rate
- η t,epb = Thermal efficiency EPB
- Pelec,epb = Total electric power EPB

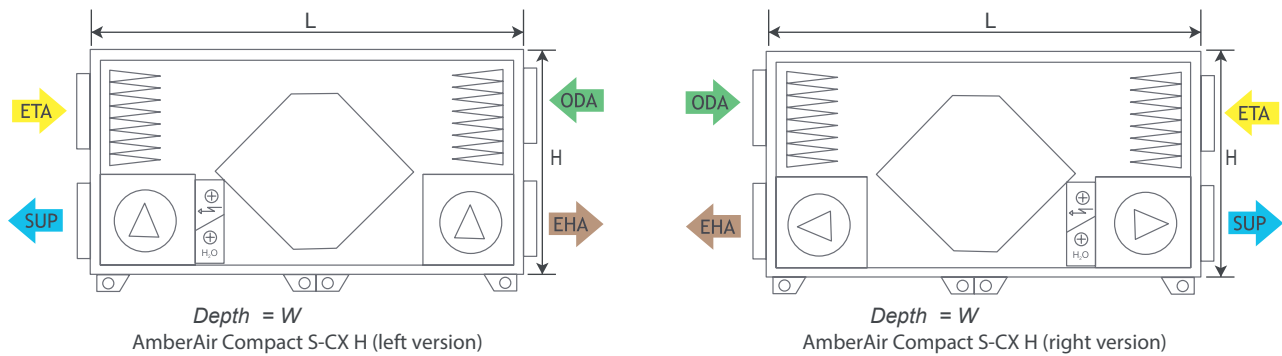
Technical data					
<b>AmberAir Compact CXP-1</b>					
Main power supply		[50Hz/VAC]	CXP-1 NB	CXP-1 BE	CXP-1 BC
Heating battery	Electric power	[kW]	1 x 230	1 x 230	1 x 230
EC Fans	Power supply	[50Hz/VAC]	-	3,6	-
Extraction fan	Power/current	[kW/A]	1 x 230	1 x 230	1 x 230
Extraction fan	Fan speed	[rpm]	0,38/2,50	0,38/2,50	0,38/2,50
Supply fan	Power/current	[kW/A]	3370	3370	3370
Supply fan	Fan speed	[rpm]	0,38/2,50	0,38/2,50	0,38/2,50
Max. absorbed power/current		[kW/A]	3370	3370	3370
Automatic defrost			0,813/5,22	4,41/20,90	0,813/5,22
Thermal insulation		[mm]	integrated	integrated	integrated
<b>AmberAir Compact CXP-2</b>					
Main power supply		[50Hz/VAC]	CXP-2 NB	CXP-2 BE	CXP-2 BC
Heating battery	Electric power	[kW]	1 x 230	3 x 400	1 x 230
EC Fans	Power supply	[50Hz/VAC]	-	6,0	-
Extraction fan	Power/current	[kW/A]	1 x 230	1 x 230	1 x 230
Extraction fan	Fan speed	[rpm]	0,76/3,80	0,76/3,80	0,76/3,80
Supply fan	Power/current	[kW/A]	3530	3530	3530
Supply fan	Fan speed	[rpm]	0,76/3,80	0,76/3,80	0,76/3,80
Max. absorbed power/current		[kW/A]	3530	3530	3530
Automatic defrost			1,61/8,00	6,85/16,70	1,61/8,00
Thermal insulation		[mm]	integrated	integrated	integrated
<b>AmberAir Compact CXP-3</b>					
Main power supply		[50Hz/VAC]	CXP-3 NB	CXP-3 BE	CXP-3 BC
Heating battery	Electric power	[kW]	3 x 400	3 x 400	3 x 400
EC Fans	Power supply	[50Hz/VAC]	-	9,0	-
Extraction fan	Power/current	[kW/A]	3 x 400	3 x 400	3 x 400
Extraction fan	Fan speed	[rpm]	1,05/1,60	1,05/1,60	1,05/1,60
Supply fan	Power/current	[kW/A]	3400	3400	3400
Supply fan	Fan speed	[rpm]	1,05/1,60	1,05/1,60	1,05/1,60
Max. absorbed power/current		[kW/A]	3400	3400	3400
Automatic defrost			2,15/3,42	11,20/16,40	2,15/3,42
Thermal insulation		[mm]	integrated	integrated	integrated
<b>AmberAir Compact CXP-4</b>					
Main power supply		[50Hz/VAC]	CXP-4 NB	CXP-4 BE	CXP-4 BC
Heating battery	Electric power	[kW]	3 x 400	3 x 400	3 x 400
EC Fans	Power supply	[50Hz/VAC]	-	12,0	-
Extraction fan	Power/current	[kW/A]	3 x 400	3 x 400	3 x 400
Extraction fan	Fan speed	[rpm]	1,80/2,80	1,80/2,80	1,80/2,80
Supply fan	Power/current	[kW/A]	3410	3410	3410
Supply fan	Fan speed	[rpm]	1,80/2,80	1,80/2,80	1,80/2,80
Max. absorbed power/current		[kW/A]	3410	3410	3410
Automatic defrost			3,65/5,82	9,45/14,50	3,65/5,82
Thermal insulation		[mm]	integrated	integrated	integrated



Detailed technical data available on request

- The detailed drawings shown represent a ceiling mounted AmberAir Compact CXP-4 BC in left and right versions respectively - seen from inspection side; other detailed drawings available on request

**Configuration horizontal**



	Dimensions									
	L [mm]	F [mm]	W [mm]	H2 [mm]	H [mm]	D [mm]	G [mm]	din ["]	dout ["]	[kg]
CXP-1	1750	50	1397	138	426	500	250	1/2"	1/2"	201
CXP-2	1900	60	1850	123	440	700	300	1/2"	1/2"	290
CXP-3	1950	60	2060	125	440	750	300	1/2"	1/2"	390
CXP-4	2250	60	2250	122	540	750	350	1/2"	1/2"	455