

## AmberAir Compact CXP

- Non residential
- Counterflow heat exchanger
- R-COVERY by SALDA
- $Q_v \leq 4000 \text{ m}^3/\text{h}$
- 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.  $3.500 \text{ m}^3/\text{h}$  and have rectangular connections.

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)

### Specifications

- 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 bypass On/Off
- 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)



### Versions

- **AmberAir Compact CXP-xL NB MCB**: Size x, left-hand version, without battery, MCB control
- **AmberAir Compact CXP-xL BE MCB**: Size x, left-hand version, with electric battery, MCB control
- **AmberAir Compact CXP-xL BC MCB**: Size x, left-hand version, with hot water battery, MCB control
- **AmberAir Compact CXP-xR NB MCB**: Size x, right-hand version, without battery, MCB control
- **AmberAir Compact CXP-xR BE MCB**: Size x, right-hand version, with electric battery, MCB control
- **AmberAir Compact CXP xR-BC MCB**: Size x, right-hand version, with hot water battery, MCB control

### Certification

- Tested according to NBN EN 308: [www.epbd.be](http://www.epbd.be)
- Tested according to EUROVENT classifications according to EN13053
- Mechanical strength: D1
- Air tightness class: L1
- Thermal transfer class: T3
- Thermal bridge factor: TB2
- Filter leakage: F9

### Mounting

- The device is delivered in 1 part

### Accessories

- Wall control with touch screen, type **TS-AIR**
- Airtight regulation valve, type **RM-RBS**
- Connection sleeve, type **MTS-R**
- Replacement filter, type **FS-CXP**
- Connection of multiple 0-10V sensors, type **MM6-24/D**

### Order example

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

Explanation

**CXP** = with counterflow heat exchanger

**4** = construction size

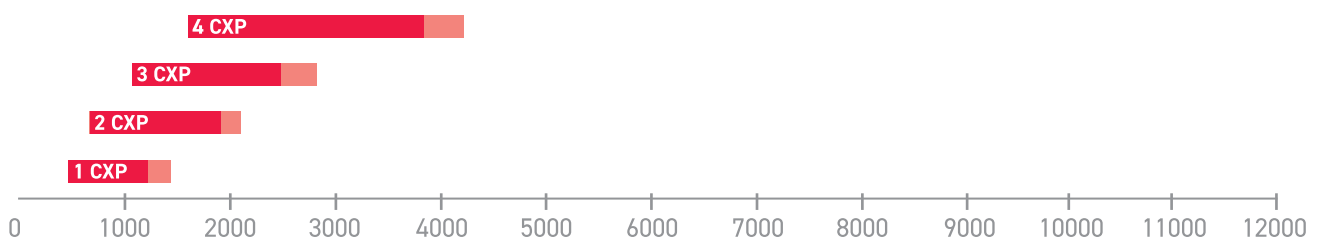
**L** = left-hand version

**BE** = electric post-heating

**MCB** = type of regulation

### Selection curves

## AmberAir Compact CXP



■ Airflow at 250 Pa external pressure drop

■ Airflow at 0 Pa external pressure drop

AmberAir Compact CXP-4	EPB values		Pelec,epb [W]
	Q [m³/h]	η t,epb [%]	
	2992	79	1729

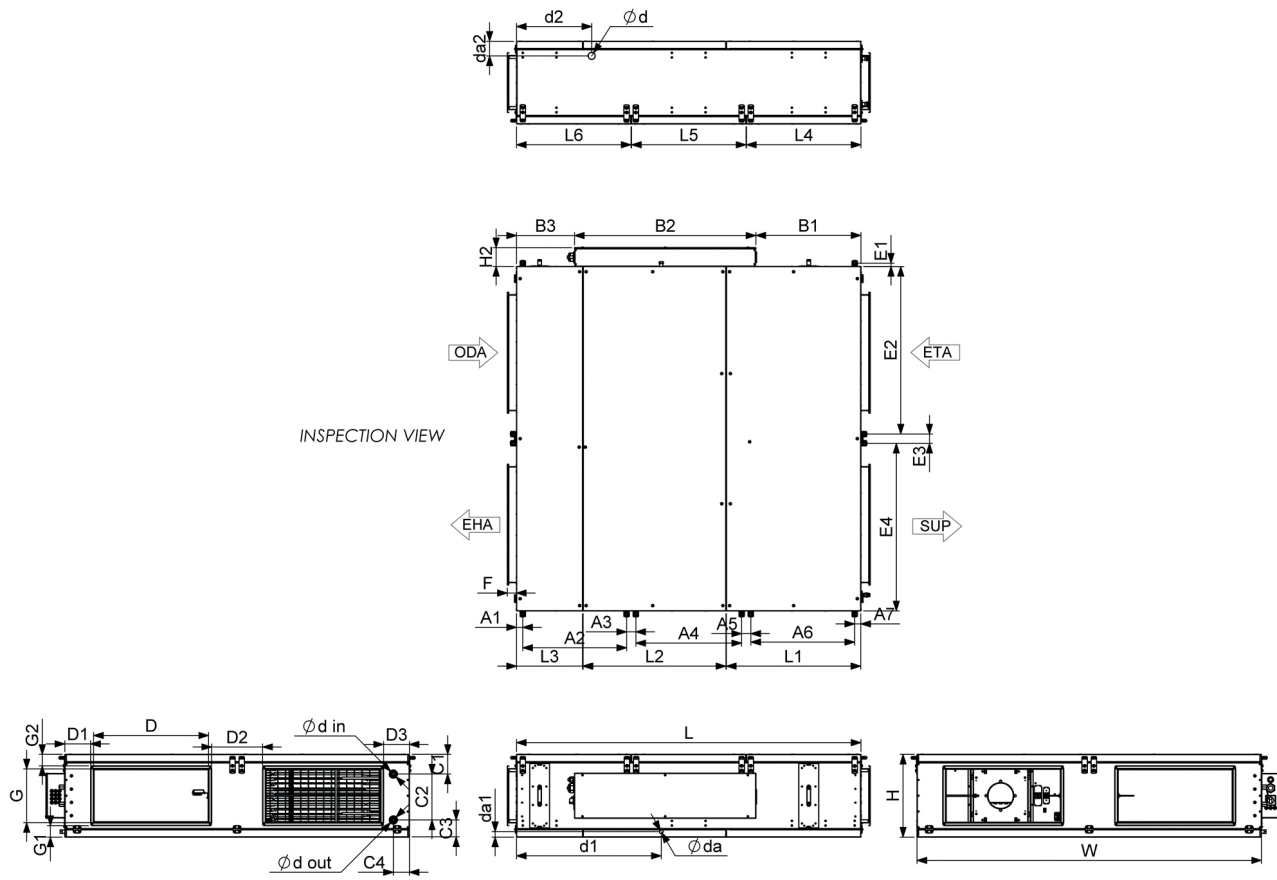
Q = Flow rate

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	Fan speed	[rpm]	3370	3370	3370
Automatic defrost		[kW/A]	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	Fan speed	[rpm]	3530	3530	3530
Automatic defrost		[kW/A]	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	Fan speed	[rpm]	3400	3400	3400
Automatic defrost		[kW/A]	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	Fan speed	[rpm]	3410	3410	3410
Automatic defrost		[kW/A]	3,65/5,82	9,45/14,50	3,65/5,82
Thermal insulation		[mm]	integrated	integrated	integrated

Detailed technical data available on request



Dimensions											
	L (mm)	F (mm)	W (mm)	H2 (mm)	H (mm)	D (mm)	G (mm)	dn (mm)	din (mm)	dout (mm)	kg
CXP-1	1750	50	1397	138	426	500	250	1/2"	1/2"	1/2"	201
CXP-2	1900	60	1850	123	440	700	300	1/2"	1/2"	1/2"	290
CXP-3	1950	60	2060	125	440	750	300	1/2"	22	22	390
CXP-4	2250	60	2250	122	540	750	350	21	22	22	455