AmberAir Compact RIS

- Counterflow
- R COVERY by SALDA
- Qv ≤ 2.100 m³/h
- Horizontal/Vertical

HRU with counterflow exchanger type AmberAir Compact RIS

- Heat recovery unit with counterflow heat exchanger and with or without built-in electrical post-heating. The unit is available in different versions up to approx. 2.100 m³/h with horizontal or vertical connections, both in left or right version. The unit is tested EPBD according to NBN EN308

Brand

- R-COVERY by SALDA

Application

- Ventilation for both residential and non-residential applications
- For indoor mounting in a frost protected area
- Outside mounting only possible for horizontal versions if equipped with a roof

Composition

- Housing in prelacquered steel plate RAL7040
- 50mm rock wool insulation, fire class A1
- Round duct connections
- Panel filters M5 - ISO 16890 ePM10 55% / F7 - ISO 16890 ePM1 65% (exhaust/supply)
- Filter detection with pressure switch
- Condensation tray with drain
- Automatic bypass (100%)
- With or without built-in electrical post-heater (duct battery available as an option)
- Modbus communication included as standard
- Possibility of regulation by CO_2 (sensor not included)
- The remote control is not included
- MCB Light regulation

Fan

- Directly driven EC direct current fan with backward inclined blades
- Regulation 20-100%

Exchanger

- High efficiency counterflow heat exchanger in aluminium

Filter

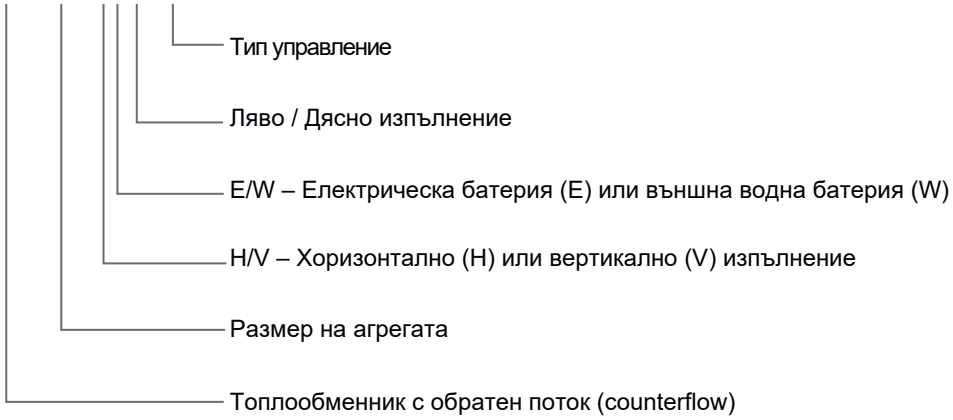
- The AmberAir Compact RIS unit is equipped with two filters:
  - Panel filters M5 - ISO 16890 ePM10 55% / F7 - ISO 16890 ePM1 65% (exhaust/supply)

Regulation & functions

- Integrated, intelligent regulation (plug & play)

Versions

AMBERAIR COMPACT RIS 1200 HEL MCB



Certification

- Tested according to NBN EN 308: 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

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_2 sensor, type DOX/E or WOX/E(-D)
- Replacement filters, type FS-RIS

Order example

- RIS 1900 HEL

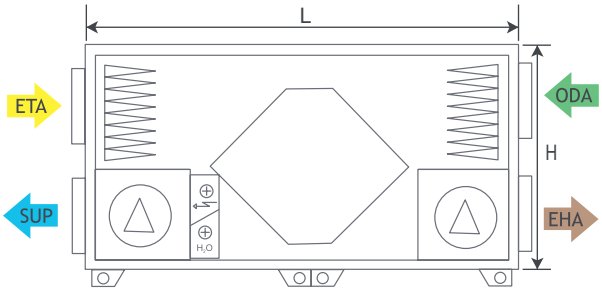
Explanation

- RIS = type of heat recovery unit
- 1900 = size
- H = horizontal version
- E = built-in electrical post-heating
- L = left version

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

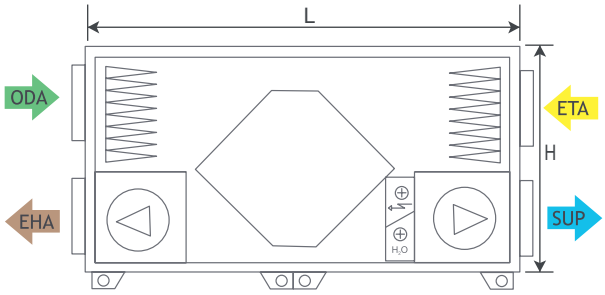
Technical data						
			RIS 1200 HE	RIS 1200 HW	RIS 1200 VE	RIS 1200 VW
Main power supply		[50Hz/VAC]	1 x 230	1 x 230	1 x 230	1 x 230
Heating battery	Absorbed power	[kW]	2	-	2	-
EC Fans	Supply voltage	[50Hz/VAC]	1 x 230	1 x 230	1 x 230	1 x 230
Extract fan	Power/current	[kW/A]	0,33/1,55	0,33/1,55	0,33/1,55	0,33/1,55
Extract fan	Fan speed	[rpm]	3350	3350	3350	3350
Supply fan	Power/current	[kW/A]	0,33/1,55	0,33/1,55	0,33/1,55	0,33/1,55
Supply fan	Fan speed	[rpm]	3350	3350	3350	3350
Max. electrical power/current		[kW/A]	2,77/12,28	0,77/3,58	2,75/12,28	0,75/3,5
Working temperature between -23°C and +40°C						
			RIS 1900 HE	RIS 1900 HW	RIS 1900 VE	RIS 1900 VW
Main power supply		[50Hz/VAC]	1 x 230	1 x 230		
Heating battery	Absorbed power	[kW]	3	-		
EC Fans	Supply voltage	[50Hz/VAC]	1 x 230	1 x 230		
Extract fan	Power/current	[kW/A]	0,78/4,0	0,78/4,0		
Extract fan	Fan speed	[rpm]	3730	3730		
Supply fan	Power/current	[kW/A]	0,78/4,0	0,78/4,0		
Supply fan	Fan speed	[rpm]	3730	3730		
Max. electrical power/current		[kW/A]	4,65/21,5	1,65/8,4		
Working temperature between -23°C and +40°C						

Configuration horizontal



Depth = W

AmberAir Compact S-CX H (left version)



Depth = W

AmberAir Compact S-CX H (right version)

Dimensions					
	Dimensions casing*			Duct connections	Weight
	L [mm]	W [mm]	H [mm]	ØD [mm]	[kg]
RIS 1200 H	1500	758	1141	315	165
RIS 1200 V	1350	758	1341	315	166
RIS 1900 H	1800	800	1386	400	225
RIS 1900 V					
*Dimensional drawing: see "Downloads"					