



RIS 1200 VER EKO 3.0



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AHU with cross-counter-flow plate heat exchanger. Air handling units RIS V EKO 3.0 have high efficiency counter-flow heat exchanger. AHU is used for ventilation of houses and other heated areas.

- Energy saving and low noise EC fans.
- Efficiency of heat exchanger up to 94%.
- Integrated electrical heater (optional for RIS 200/400V EKO 3.0).
- Optional water heater.
- Controlled air flow.
- Motorized by-pass damper
- Anti-freeze protection of the heat exchanger.
- Low noise level.
- Acoustic insulation of the walls – RIS 200-700V EKO 3.0 - 30mm and RIS 1200-1900V EKO 3.0 - 50 mm.
- RIS 200V - 1900V EKO 3.0 all versions can be controlled with Flex, Stouch and TPC remote control devices.
- Easy mounting.
- RIS 400V - 1900V EKO 3.0 full integrated plug & play control system.
- Integrated pressure switch for filter pollution (RIS V 1200-1900 EKO 3.0).
- Electrical heater control 0 - 10V.
- Optional CO₂, pressure or airflow transmitter.

Technical parameters

Heater	-phase/voltage	[50Hz/VAC]	~1, 230
	-power consumption	[kW]	2
Fans	-phase/voltage	[50Hz/VAC]	~1, 230
	-power/current	[kW/A]	0.435 /2.9
exhaust	-power/current	[kW/A]	0.43 /2.95
supply	-power/current	[kW/A]	0.43 /2.95
Motor protection class			IP-54
Thermal efficiency			90%
Max power consumption		[kW/A]	2.87 /14.49
Filter class	-exhaust		M5
	-supply		F7
Thermal insulation		[mm]	50
Weight		[kg]	152

Dimensions

Power	W	416.8	395.83
SFP clean filters	kW/m³/s	1.19	1.13
SFP	kW/m³/s	2.32	

Working point 1 ✖

Freezing limit not considered

	Unit	supply	exhaust
Type			Counter flow
Winter			
Inlet heat exchanger temperature	°C	-24	22
Outlet heat exchanger temperature	°C	17.6	-11.1
Inlet heat exchanger humidity	%	90	30
Outlet heat exchanger humidity	%	3.1	100
Temperature efficiency	%	90.5	
Transferred power	kW		17.6
Frost point	°C		-3.9
Summer			
Inlet heat exchanger temperature	°C	27	23
Outlet heat exchanger temperature	°C	23.7	26.3
Inlet heat exchanger humidity	%	60	55
Outlet heat exchanger humidity	%	73.1	45.1
Temperature efficiency	%	83	
Transferred power	kW		-1.4

Working point 1 ✖

Type	Unit	supply
		Electrical Heater
Air temperature in	°C	17.6
Air temperature out	°C	20
Air humidity in	%	3.1
Air humidity out	%	19
Capacity	kW	1
Capacity (max)	kW	2
Air temperature out (max)	°C	22.4