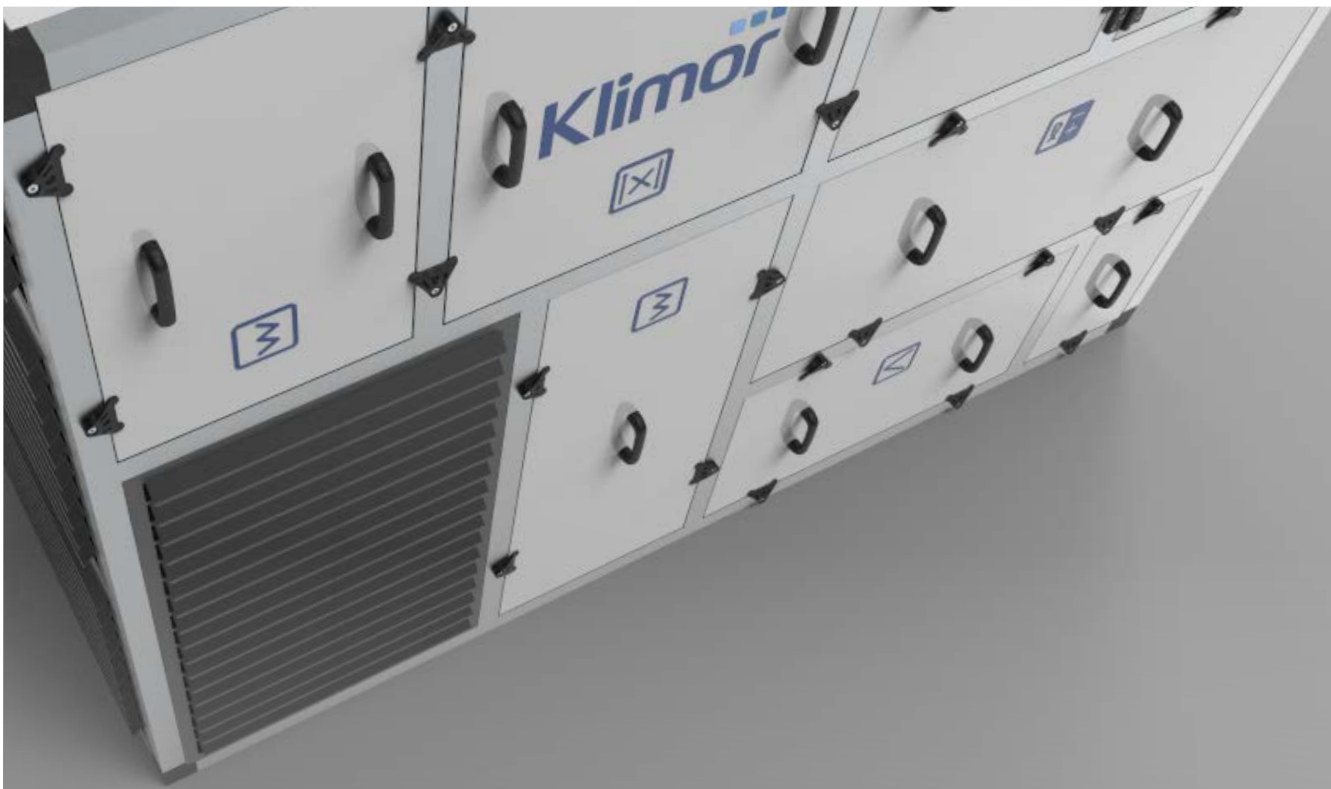


Klimör



COMPACT AH UNIT

EVO-RX • EVO-RX HPM



EVO-RX • EVO-RX HPM

A versatile approach to ventilation, heating and cooling of air in rooms with large cubic capacity.

KLIMOR products are a guarantee of high-quality materials and components as well as care for the production process. All units are manufactured in Poland at the company's own production facilities.

EVO-RX and EVO-RX HPM are the perfect units for use in ventilation systems in buildings with large cubic capacity, such as shopping and logistics centres, sports and entertainment venues, office buildings, production halls and warehouses.



Dlaczego **EVO-RX / EVO-RX HPM**

- ✓ High energy recovery efficiency of up to 88% on a cross-flow recuperator
- ✓ Full 100% by-pass, allowing free-cooling function in transitional periods
- ✓ Smooth regulation of air flow thanks to the fan motors in EC technology
- ✓ High separation of supply and extract air streams
- ✓ Ductless air distribution system
- ✓ Quick heating function with additional recirculation damper
- ✓ Long range swirl diffuser with adjustable blade positions
- ✓ Touch screen control panel
- ✓ Factory-fitted control and measurement automation system suitable for remote monitoring and communication *
- ✓ Compliant with EcoDesign 2018



EVO-RX

- ✓ Air cooling possibility - water cooler** or DX
- ✓ Water heater installed in indoor unit**.
- ✓ Built-in reversible refrigeration system executing

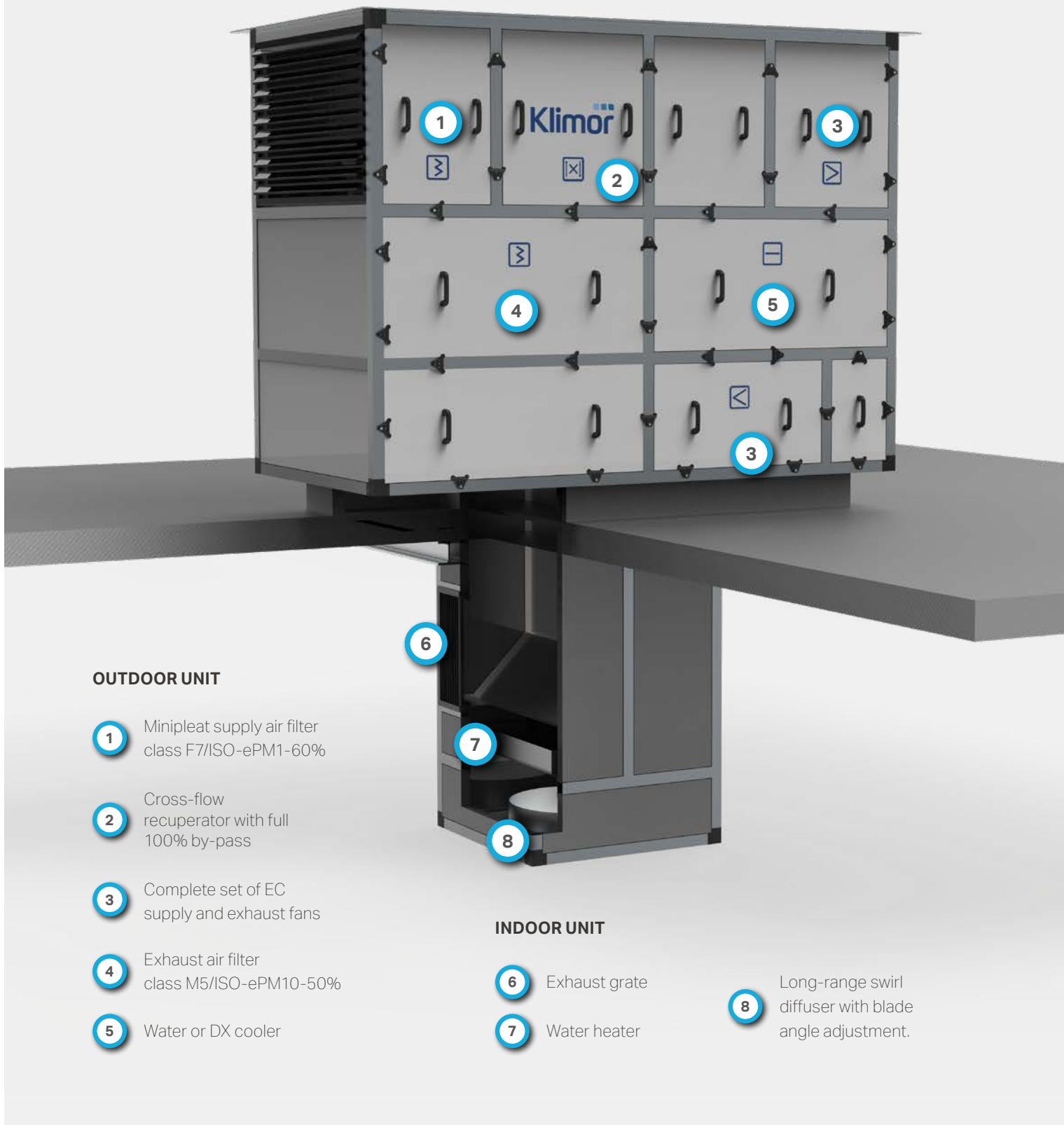
EVO-RX HPM

- ✓ Inverter heat pump for cooling and heating
Can be operated as an outdoor unit with connection to ducted supply and extract air system
- ✓ Mounted on an individual support frame.
Water heater installed in outdoor unit**.
- ✓ Water heater installed in the external Unit**.

*optio ** installation of control valve with actuator and connection of medium, beyond manufacturer's scope

EVO-RX

The EVO-RX is a supply/exhaust air handling unit with heat recovery on a high-performance cross-flow heat exchanger, with the option of cooling and heating functions. The unit consists of an external unit installed on the roof on a building plinth and an internal unit located under the ceiling of the room.



OUTDOOR UNIT

- 1** Minipleat supply air filter class F7/ISO-ePM1-60%
- 2** Cross-flow recuperator with full 100% by-pass
- 3** Complete set of EC supply and exhaust fans
- 4** Exhaust air filter class M5/ISO-ePM10-50%
- 5** Water or DX cooler

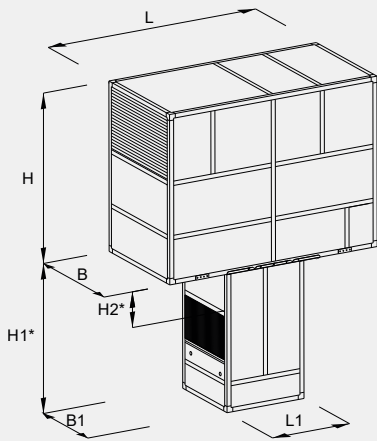
INDOOR UNIT

- 6** Exhaust grate
- 7** Water heater
- 8** Long-range swirl diffuser with blade angle adjustment.

Technical data

		EVO-RX 0500	EVO-RX 0800
Nominal capacity	m ³ /h	5000	8000
Maximum heat recovery efficiency	%	88	88
Airflow adjustment ranges	m ³ /h	3750÷5500	6000÷9000
Maximum power of water cooler 4R/6R	kW	36/74	68/120
Maximum cooling capacity DX	kW	33/61	68/98
Maximum power of water heater	kW	94	148
Maximum supply fan output	kW	2,68	2x2,68
Maximum extract fan output	kW	1,4	2x1,4
Supply voltage	V	1x230/3x400	1x230/3x400
Maximum weight of outdoor unit	kg	600	1000
Maximum weight of indoor unit	kg	190	200

DX: To=6°C; R407C; CW: 6/12°C; NW: 80/60°C



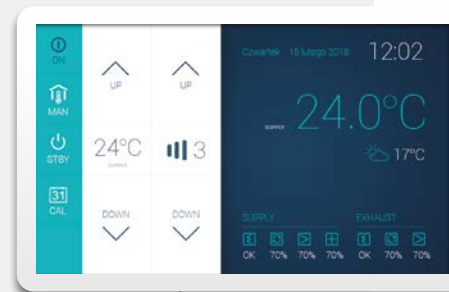
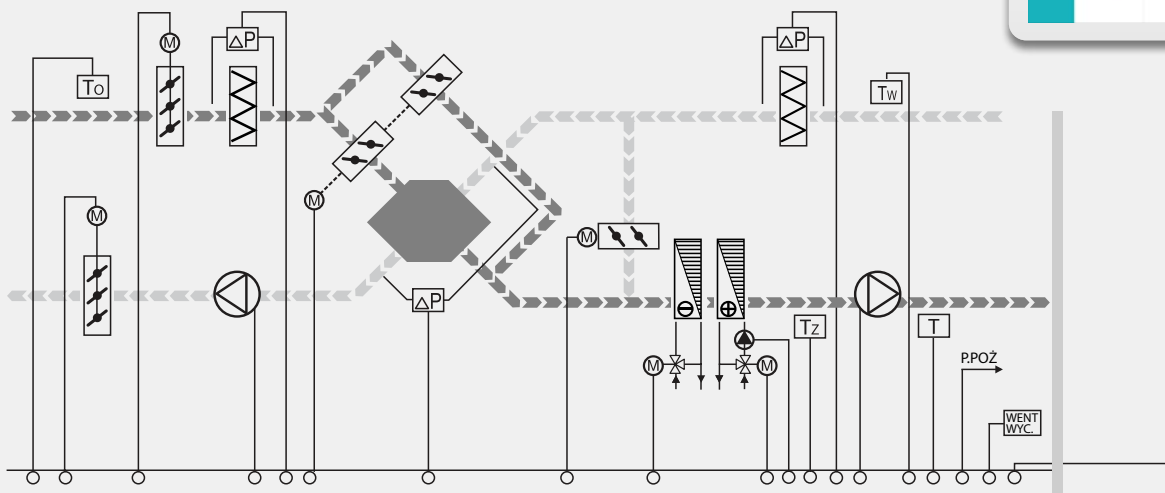
Dimensions

Unit size	Outdoor unit			Indoor unit				
	B	H	L	B1	H1*	H2*	L1	ØD
	[mm]							
EVO-RX 0500	1300	1950	2560	950	1650	510	950	630
EVO-RX 0800	1650	2360	2970	1050	1650	510	1050	800

ØD - diameter of the long-throw diffuser

* Dimensions variable (every 100mm) resulting from the thickness of the roof, the given dimension is a minimum

Diagram of the control automation



Monitoring of ambient, supply, exhaust and room temperatures / Monitoring of filter contamination / Monitoring of heat pump cooling system / Monitoring of fan unit operation / Air capacity control / Supply air temperature control / Energy recovery control / Frost protection for heat recovery exchanger and water heater / Free-cooling operation / Night recirculation of „fast heating“

EVO-RX HPM

The EVO-RX HPM is a supply and exhaust air handling unit with heat recovery on a counterflow cross-flow heat exchanger, with the option of cooling and heating functions. The unit consists of an outdoor unit installed on the roof on a building plinth and an indoor unit located under the ceiling of the room. The unit can be used as a stand-alone outdoor unit with connected air ducts.



JEDNOSTKA ZEWNĘTRZNA

- 1** Minipleat supply filter class F7/ISO-ePM1-60%
- 2** Cross-flow recuperator with full 100% by-pass
- 3** Complete set of EC supply and exhaust fans
- 4** Exhaust air filter class M5/ISO-ePM10-50%
- 5** Built-in heat recovery and cooling module - inverter heat
- 6** Pump water heater

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JEDNOSTKA WEWNĘTRZNA

- 7** Exhaust grate long range
- 8** Swirl diffuser with adjustable blade angle.

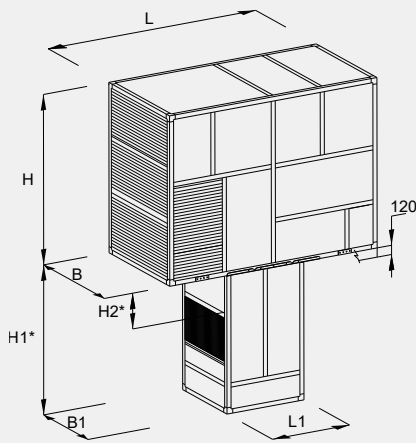


STAND-ALONE OUTDOOR UNIT WITH DUCT CONNECTIONS ON THE REAR WALL

Technical data

		EVO-RX HPM 0500	EVO-RX HPM 0800
Nominal capacity	m ³ /h	5000	8000
Maximum heat recovery efficiency	%	88	88
Airflow adjustment ranges	m ³ /h	3750÷5500	6000÷9000
Cooling capacity HPM	kW	36/74	68/120
Electrical power consumption of the refrigeration appliance	kW	33/61	68/98
Heating capacity HPM	kW	94	148
Maximum power of water heater	kW	2,68	2x2,68
Electrical power consumption of the fans	kW	1,4	2x1,4
Maximum supply fan power	kW	2,68	2x2,68
Maximum exhaust fan power	kW	2,68	2x2,68
Power supply voltage:	V	1x230/3x400	1x230/3x400
Maximum weight of outdoor unit	kg	600	1000
Maximum weight of indoor unit	kg	190	200

DX: To=6°C; R407C; CW: 6/12°C; NW: 80/60°C



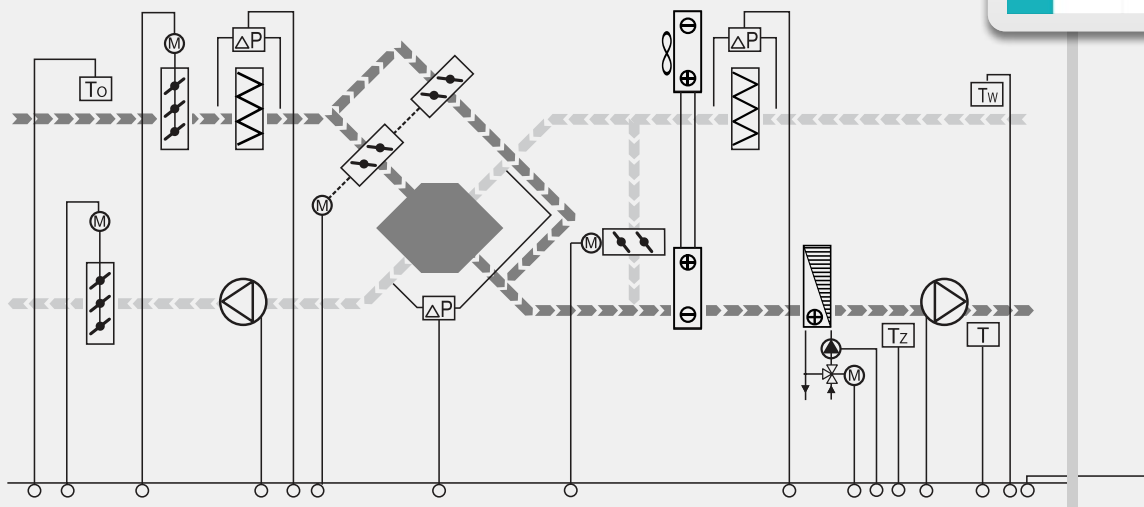
Dimensions

Unit size	Outdoor unit			Indoor unit				
	B	H	L	B1	H1*	H2*	L1	ØD
	[mm]			[mm]				
EVO-RX HPM 0500	1300	1950	2560	950	1650	510	950	630
EVO-RX HPM 0800	1650	2360	2970	1050	1650	510	1050	800

ØD - diameter of the long-throw diffuser

For a stand-alone outdoor unit, a 120mm high panel frame is used
 * Dimensions variable (every 100mm) resulting from the thickness of the roof, the given dimension is a minimum

Diagram of the control automation



Monitoring of ambient, supply, exhaust and room temperatures / Monitoring of filter contamination / Monitoring of heat pump cooling system / Monitoring of fan unit operation / Air capacity control / Supply air temperature control / Energy recovery control / Frost protection for heat recovery exchanger and water heater / Free-cooling operation / Night recirculation of „fast heating“





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POLAND**

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Our goal and commitment is to provide you with the highest quality air conditioning and ventilation products combined with a package of professional consulting services. Our technical and commercial representatives remain at your disposal!

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