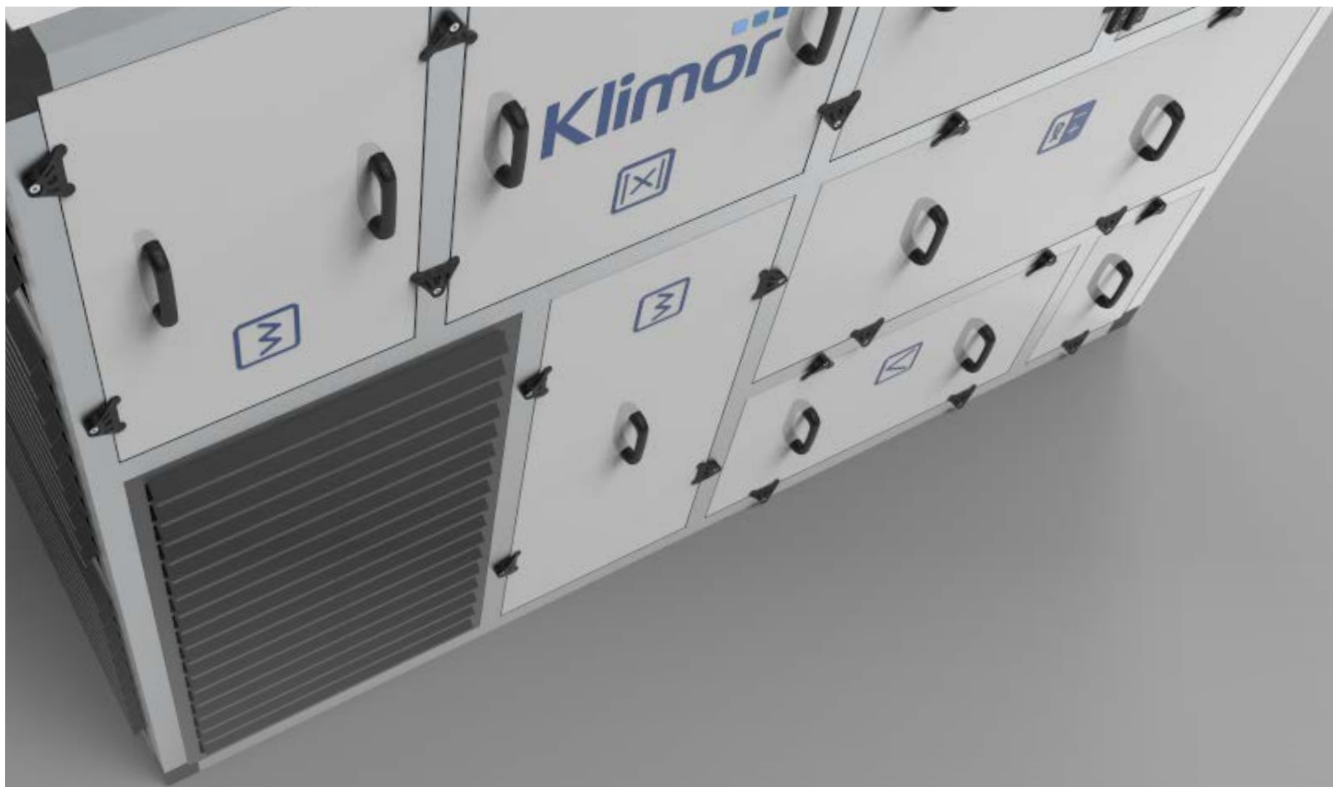


# Klimör



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.



# Why 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

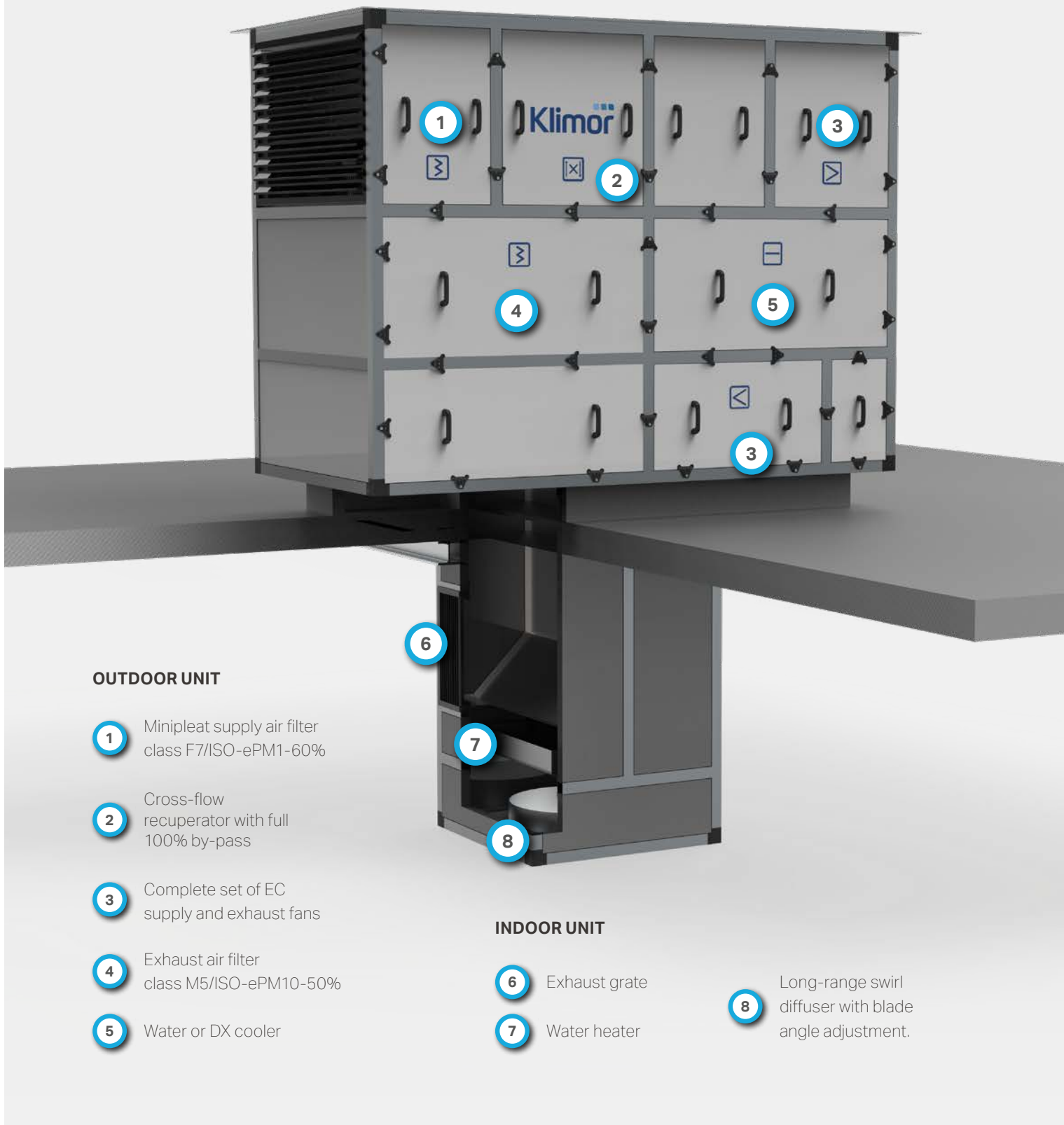
## EVO-RX HPM

- ✓ 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

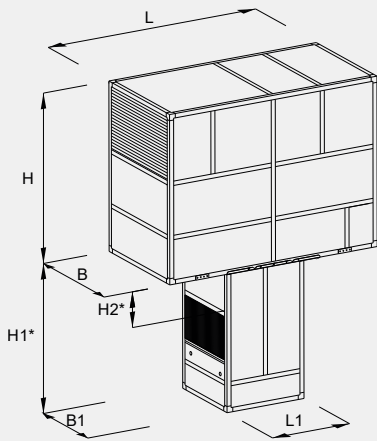
## INDOOR UNIT

- 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 <sup>3</sup> /h | 5000        | 8000        |
| Maximum heat recovery efficiency    | %                 | 88          | 88          |
| Airflow adjustment ranges           | m <sup>3</sup> /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



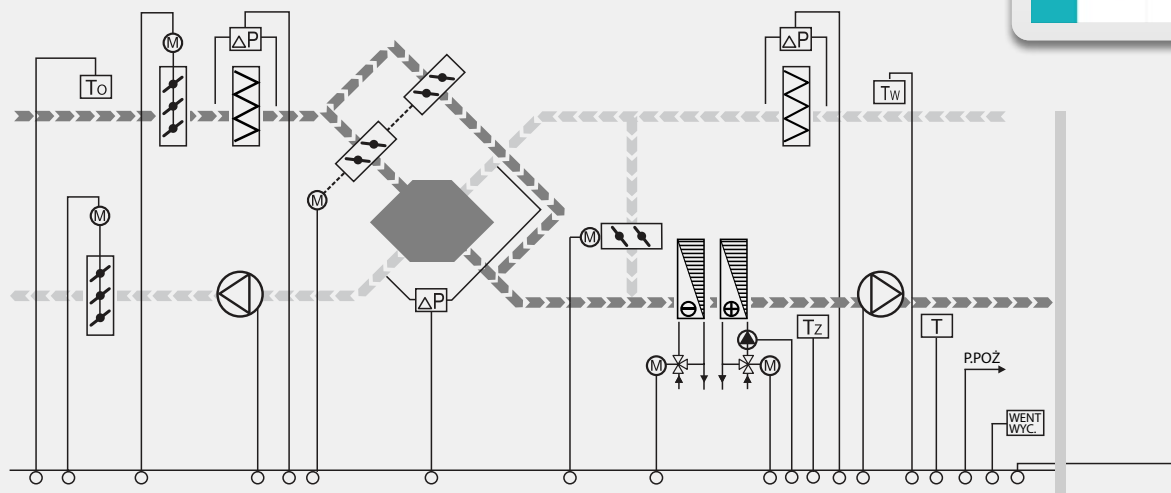
## Dimensions

| 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 |

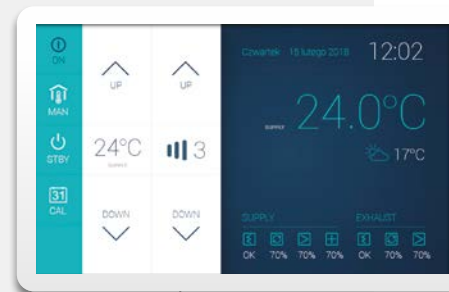
ØD - diameter of the long-throw diffuser

\* 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.



## OUTDOOR UNIT

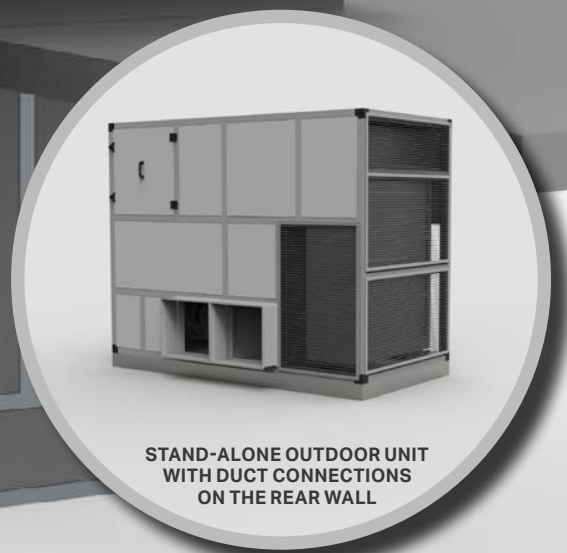
- 1** Minipleat supply filter class F7/ISO-ePM1-60%
- 2** Cross-flow recuperator with full 100% by-pass
- 3** Complete set of EC supply and exhaust fans
- 4** Exhaust air filter class M5/ISO-ePM10-50%
- 5** Built-in heat recovery and cooling module - inverter heat
- 6** Pump water heater

**7**

**8**

## INDOOR UNIT

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

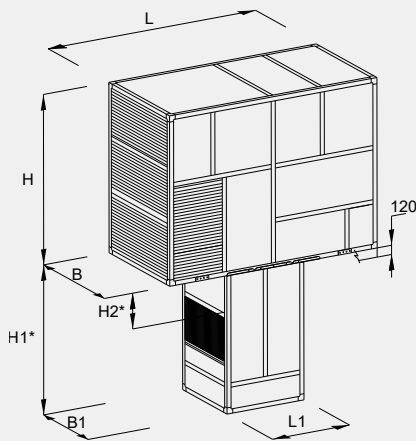


STAND-ALONE OUTDOOR UNIT WITH DUCT CONNECTIONS ON THE REAR WALL

## Technical data

|   |                   | EVO-RX HPM 0500 | EVO-RX HPM 0800 |
|---|-------------------|-----------------|-----------------|
| Nominal capacity  | m <sup>3</sup> /h | 5000            | 8000            |
| Maximum heat recovery efficiency                            | %                 | 88              | 88              |
| Airflow adjustment ranges                                   | m <sup>3</sup> /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



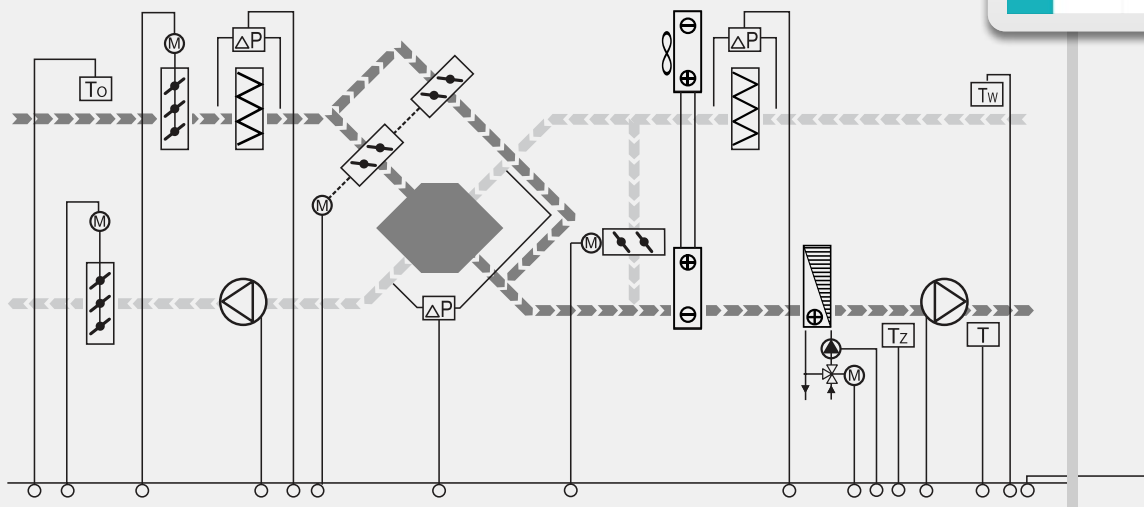
## Dimensions

| 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“





**MADE IN  
POLAND**

WE CARE ABOUT AIR

## **CONTACT US!**

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!

SALES DEPARTMENT:  
e-mail: [handlowy@klimor.com](mailto:handlowy@klimor.com)

HEADQUARTERS:  
Klimor Sp. z o. o., ul. B. Krzywoustego 5, 81-035 Gdynia  
tel. +48 58 783 99 99 | e-mail: [klimor@klimor.com](mailto:klimor@klimor.com)  

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