

Perfect solution for home and office use



General information

KCX heat recovery ventilators are plug'n play type devices for mechanical air treatment (heat recovery, filtration, heating) in: shops, residential buildings, houses and offices.

The compact KCX+ unit is equipped with a control and monitoring automation system with an intuitive menu implemented on a touch panel. This application allows to preview all necessary operating parameters (temperature, quality of filters, fan speeds, heat recovery rate) and adjust the operation of fans

together with other components, such as water or electric heater, water cooler or DX cooler. On-board controls allow control of other external components installed in the building. Ethernet module (optional) allows for full remote control of the recuperator via mobile devices.



Mobile application

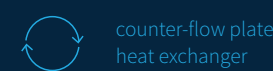
allows to monitor temperature, quality of filters, fan speeds and heat recovery rate.

KCX+ Control System

The unit is made for providing fresh air and remove contaminated. Heat recovery is implemented on a counter-flow plate heat exchanger and is based on heat transfer between exhaust and supply air streams.

KCX® units are designed to work in both: vertical and horizontal positions. Circulation duct outlets \varnothing 125 - \varnothing 250 placed on top of the unit, are dedicated for connection of heat recovery unit with the whole ventilation system.

The unit is ready to cooperate with external air treatment functions: chilled water coil, hot water coil, ground coupled heat exchanger.



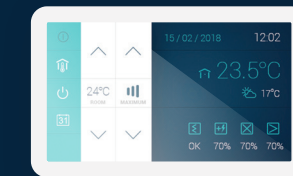
counter-flow plate heat exchanger



vertical and horizontal positions



circular spigots



Advantages of KCX+ Control System



4,3" touch panel with intuitive menu



Monitoring and control of comfort and operating parameters – temperature/humidity*/CO₂ level*/efficiency/energy recovery



Quick selection of the unit's operating modes: ON-OFF/STAND-BY/COMFORT/CALENDAR



Automatic by-pass of counterflow heat exchanger (DEFROSTING/SUMMER MODE)



Stepless control of electric heater



Cooperation with additional heat exchangers: water heater/water cooler or DX cooler/ground heat exchanger



Filter quality level monitoring



Remote monitoring and control via mobile devices - ETHERNET module**



Management of unit operation using the CLOUD technology, including data storage, trends and alarms

* Measuring instrument out of delivery scope ** Optional component

Technical data

| MODEL | | KCX 300 | KCX 500 | KCX 800 |
|---------------------------------------|--------------------|--|--|--|
| Nominal airflow [m ³ /h] | | 300 | 500 | 800 |
| Unit dimensions H / B / C [mm] | | 705 / 731 / 460 | 850 / 900 / 560 | 949 / 1061 / 660 |
| Unit weight [kg] | | 37 | 50 | 68 |
| Duct outlets [mm] | | 3 x \varnothing 125 1 x \varnothing 160 | 3 x \varnothing 160 1 x \varnothing 200 | 3 x \varnothing 200 1 x \varnothing 250 |
| Heat exchanger | | CPR | CPR | CPR |
| Exchanger efficiency [%] | | up to 92 | up to 91 | up to 91 |
| Supply and exhaust fan | Input power [W] | 2 x 67 | 2 x 174 | 2 x 178 |
| | Input current [A] | 2 x 0,5 | 2 x 1,1 | 2 x 1,1 |
| Sound power level | In room at airflow | 51 dB(A) | 50 dB(A) | 52 dB(A) |
| | In duct at airflow | 60dB / 57dB(A) | 66dB / 60dB(A) | 60dB / 57dB(A) |
| Supply air filter (*options) | | G4 (*F7) | G4 (*F7) | G4 (*F7) |
| Exhaust air filter | | G4 | G4 | G4 |
| Air inlet electrical heating coil [W] | | 1200 | 2400 | 3600 |

KCX⁺

EFFECTIVE

Guarantee of maintaining high indoor air quality – temperature, cleanliness, energy recovery

Automatic by-pass of the energy recovery exchanger

Eliminating the “Sick Building Syndrome” (SBS)

Parameters conforming to the requirements of the passive house

ECONOMIC

High degree of heat energy recovery – cross-flow counterflow heat exchanger with efficiency up to 92%.

Low consumption of electric power – EC fan units

ELASTIC

Selection of vertical or horizontal mounting positions as appropriate

ERGONOMIC

PLUG&PLAY unit – just install, connect and turn on

Intuitive unit management system – touch-operated controls



GET IN TOUCH WITH US

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Klimör



Compact Recuperation Unit

KCX⁺