



Energy recovery unit

FUTURA

Technical Sheet



An ideal solution for your new home

As the air-tightness of homes continues to improve the risk of excessive moisture levels and reduced indoor air quality rises. This excessive humidity, which is caused by insufficient ventilation, can have a negative impact on the thermal envelope of the building, resulting in moisture damage that jeopardizes the health and vitality of both the structure and its occupants. Controlled ventilation with heat recovery presents an optimum solution.

An energy recovery unit ensures efficient ventilation of your new home; a new building cannot meet comfort and energy goals with natural ventilation alone. Controlled ventilation with energy recovery is the continuous replacement of stale interior air with fresh and filtered air from the outside. In the winter, fresh supply air is warmed by the stale exhaust air as air streams pass through the Futura, resulting in thermally optimized air that has been filtered of dust, pollen and allergens thanks to the included F7 filter. Your home can be ventilated fully with the windows closed. Naturally you can open them whenever you wish to, but in seasons when it is desirable to keep thermal energy inside the house your family can still enjoy fresh air thanks to the continuous air exchange. The ventilation volume of the Jablotron Futura energy recovery unit is automatically adapted to meet the requirements for optimum indoor air quality based on information from CO₂ sensors.

The analogy to lungs has not been chosen randomly; the energy recovery unit represents the lungs of your home and it works in the same way – it ensures air exchange in a natural and automatic manner. In today's market, there are many high-quality energy recovery units available along with the information to compare them fully. We do not make overstated claims or provide a magic box. We simply use the laws of physics to provide you with effortless control of your indoor air quality, and this is what makes our Jablotron Futura energy recovery unit different to other units in many areas.

CoolBreeze

The unit can be supplemented with optional cooling module, which will prevent heat gains from ventilation.

Unrivalled lowest consumption even in frost periods

Heat and moisture recovery works even during strong frost periods without preheating and by maintenance of equal pressure.

Real indoor comfort without excessive drying

The unit will automatically maintain optimum humidity by means of a controlled enthalpy exchanger.

Autonomous operation

The unit automatically adapts the ventilation power to information from CO₂ sensor and will request maintenance or replacement of clogged filters by itself.

Zone ventilation

Thanks to the zone control we can provide ventilation where it is truly needed without increasing performance or total power consumption.

Easy control

The device can be easily controlled by a wall-mounted control or MyJABLOTRON mobile application.

Generous standard equipment

The standard price offers above-standard equipment.



Enthalpy Cooling Module CoolBreeze

The CoolBreeze module is based on a heat pump with a heat exchanger located in the ventilation system. The Jablotron Futura energy recovery unit and the CoolBreeze module form together one unit, that will bring you in the summertime:

1. significant cooling and dehumidification of supplied fresh air and consequent zero heat gain through ventilation

2. low overall module consumption compared to cooling and dehumidification of fresh air supplied

The Jablotron Futura energy recovery unit offers a function in the winter that allows it to function without preheating and returns to the interior the moisture produced in it. Using the same functionality in the summer, Futura and CoolBreeze are able to reduce the cooling system performance by half.

The CoolBreeze module can also operate in reverse way in heat pump mode. It is also a very effective way of heating, especially before the start of the heating season, when only little energy is needed to maintain the maximum comfort of the indoor environment.

Technical parameters

	FUTURA M	FUTURA L
Air flow	50 - 250 m ³ /h	100 - 350 m ³ /h
Specific Energy Consumption (SEC) in kWh/(m².a) for each applicable climatic zone and each applicable SEC class	A+	A+
Heat recovery system type	recuperative	recuperative
Heat exchanger	enthalpy countercurrent with controlled humidity recovery	enthalpy countercurrent with controlled humidity recovery
Heat recovery efficiency	91,8 %*	91,4 %*
Acoustic power level L_{WA}	46 dBa*	46 dBa*
Reference flow	175 m ³ /h**	245 m ³ /h**
Power input at maximal flow and pressure	230 W	320 W
Maximal power input (incl. electrical heating)	600 W	700 W
Reference pressure difference	50 Pa**	50 Pa**
SPI	0,34 W/(m ³ /h)**	0,33 W/(m ³ /h)**
Dimensions (h x w x d)	835 x 995 x 522 mm	835 x 995 x 522 mm
Weight	47 kg	47,5 kg
Condensate	condensate drain with a HT 32 mm drain pipe, siphon	condensate drain with a HT 32 mm drain pipe, siphon
Electric connection	230 V/50 Hz, 10 A; connection to the electric mains via a socket	230 V/50 Hz, 10 A; connection to the electric mains via a socket
Operating range without preheating	-19 °C do +45 °C	-19 °C do +45 °C
User interface	wall mounted contrroll with an integrated CO ₂ sensor, mobile application MyJABLOTRON	wall mounted contrroll with an integrated CO ₂ sensor, mobile application MyJABLOTRON
Performance of the whole assembly including recuperation by heat exchanger - cooling / heating	1,5 kW - 3,8 kW / 4,9 kW***	1,7 kW - 4,4 kW / 4,9 kW***
Annual electricity consumption (AEC) (in kWh/m² of electric power/year) for each type of climate ("average", "hot", "cold") at reference flow	2,26 / 1,81 / 7,63	2,20 / 1,75 / 7,57
Annual heat savings (AHS) (in kWh/m² of primary energy/year) for each type of climate ("average", "hot", "cold") at reference flow	47 / 92 / 21	47 / 92 / 21

* According to ČSN EN 308

** According to Commission Regulation (EU) No 1253/2014

*** The cooling power is variable depending on the relative humidity and the temperature difference between the indoor and outdoor environments.

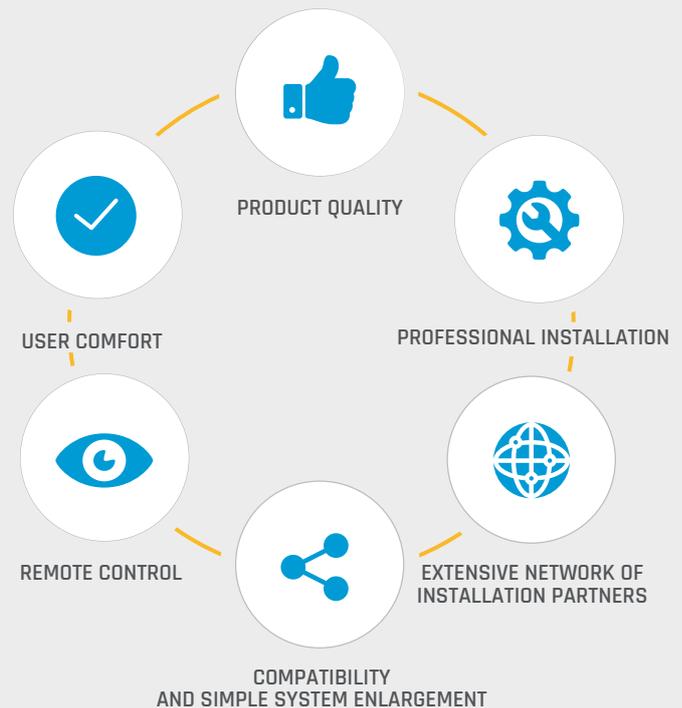
*** The heating output is variable depending on the temperature difference between indoor and outdoor environments.

Technology for safety and comfort from one producer

Under the JABLOTRON brand, you can find now **a complete product range** for indoor environment of family houses.



- 1** The first step is the quality of our products, which we've been developing and producing for many years.
- 2** We always emphasize the user comfort of our products. That's why they're easy to control and don't need a complicated setting.
- 3** With innovative features, we lead up to the interconnection of our products and the simple enlargement of the entire system.
- 4** All our devices are fully integrated into MyJABLOTRON customer interface, available from your mobile phone anytime, anywhere. By using the MyJABLOTRON app, you can set and control all your devices remotely.
- 5** Thanks to a professional installation through our network of certified installation partners, everything works as it should.
- 6** An extensive network of our installers is also a guarantee of a faster service response time and lower transportation costs.



5 years

The extended warranty is a part of the standard equipment of our products.

400+ certified installation partners

Czech and Slovak Republics are covered with an expanding network of our certified installation partners.

155 thousand

The number of people using the MyJABLOTRON app all around the world.

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