

Management
and control
via Internet

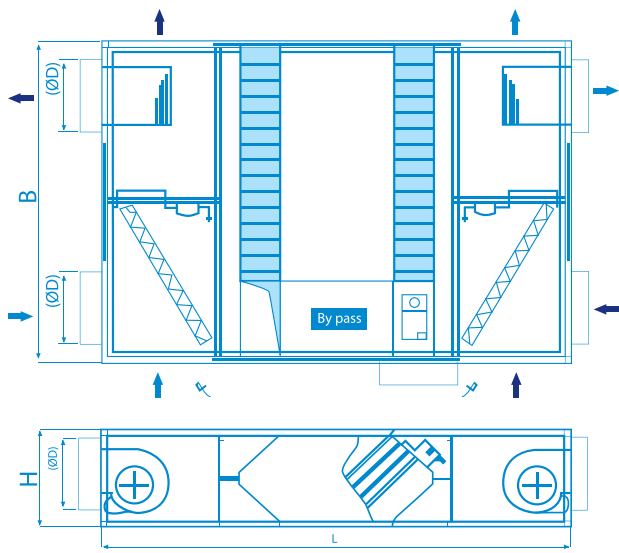


Your air
Our passion



Air-handling units with the **HESTOR DELUXE** energy recovery ventilator make a proposal for demanding customers. Counter-flow heat exchanger with the efficiency of 91% is made of specific aluminum, equipped with the built-in automatic by-pass, quiet and energy saving fans with stepless capacity regulation, these are just some of the numerous advantages. Units are available for suspended, standing or reclined installation. It is ideal for customer looking for an energy saving ventilator that is characterized by an extremely quiet operation, wide range of equipment, easy operation and compact casing. These models can be operated with an easy to use capacity controller or comprehensive automation system with possibility of programming and controlling additional accessories like a ground heat exchanger, heating and cooling coils, dampers. The control system is adapted to cooperate with the "intelligent buildings" through the MODBUS protocol.





Size	Airflow [m3/h]	B [mm]	H [mm]	L [mm]	Heat recovery [%]	ØD [mm]	Weight [kg]
2	200	590	335	1300	89	150	55
4	400	790	370	1580	90	200	80
6	600	890	370	1580	90	250	90
8	800	1090	370	1680	89	250	110
10	1000	1390	370	1690	89	250	128
12	1200	1220	590	2200	89	315	215
16	1600	1490	590	2200	89	315	220
20	2000	1610	590	2200	88	315	240
24	2400	1920	590	2280	88	355	250
30	3000	2290	590	2640	87	355	345
36	3600	1214	1515	2640	85	355	380
42	4200	1214	1515	2640	88	400	400

It is possible to modify the layout of connection ports. Fans supplied with 1x230 V. Detailed data is available on our web page.

1. Post heater
as an option.

2. Counter-flow heat exchanger – energy ventilator
Application of the specific aluminum increased the heat recovery efficiency up to 91%, which puts the DELUXE units at the highest level.

3. Structure
Application of the aluminum frame and side boards made of screwed panels, made it possible to obtain a quiet, rigid and robust structure, easy to use and maintain. The ventilators offers a system of connection ports adapted to modifications. Three versions are available: suspended, standing or reclined.

4. Controller
The applied control system fully and automatically controls the air-handling unit operation and enables management of additional functions as cooling, heating, ground heat exchanger, shut-off dampers and many more.

Management and control of the energy recovery ventilator via the internet using a smartphone, tablet or computer.

5. BY-PASS
DELUXE air-handling units can be equipped with the automatic exchanger by-pass for the fresh air. Maintaining the thermal comfort, especially during summer, often requires application of this circuit in the air-handling unit.

6. Fans
Double centrifugal fans with 250-3500 m3/h airflow compatible with **Ecodesign Directive 2009/125/EC** (ErP Directive). Supply 1 x 230V. Applied fans has a stepless RPM regulation.

7. FILTERS
Clean air is provided by the G4 class filters. On request, we can supply the air-handling units with accurate G7 filters that stop carbon black and fungal spores.

8. Pre heater
as an option.

Recovery up to 91%

Air supply, Air discharge, Exhaust air, Fresh air

Modern control system:

- Easy to use menu
- Possible to program air volume and temperature
- Cooperation with ground heat exchanger
- Controls heating and cooling coils
- Protects the heat exchanger against frost
- Automatic by-pas control
- Compatible with intelligent buildings control system – MODBUS protocol
- Monitors filters cleanliness
- Thanks to the built-in temperature sensors precisely controls the ventilator

Capacity range m3/h

DELUXE 2, DELUXE 4, DELUXE 6, DELUXE 8, DELUXE 10, DELUXE 12, DELUXE 16, DELUXE 20, DELUXE 24, DELUXE 30, DELUXE 36, DELUXE 42