

VR 700 DC HEAT REC. UNIT

Item no. 12424

Document type: **Product card**
Document date: **2013-07-31**
Generated by: **Systemair Online Catalogue**

Description

- High efficiency heat recovery unit without need for defrosting will give the highest average efficiency over the year
- Energy efficient fan motors with modern EC technology
- Separate setting of supply and extract airflow
- Constant airflow and balance between extract and supply air
- Changes automatically to summer operation with no heat recovery
- Flexible installation. No need for condensation drain
- Inspection hatch on both sides
- Modbus communication via RS-485

Classical model with EC fans, flexible operation from modern control panel. Designed for dwellings where ventilated area is up to apx. 330 m².

The VR 700 DC is double skinned, fully insulated and with complete control functions, high efficiency rotating heat exchanger, thermostat operated re-heater battery and filters. Energy efficient fans with EC motors will reduce energy consumption for transportation of ventilation air by apx. 50 % compared to traditional AC motors. Modern technology gives low SFP factor (Specific Fan Power) as well as constant airflow and balance between extract and supply air.



The unit will automatically alternate between normal operation with heat recovery and summer operation without heat recovery. This solution will also automatically recover chilled indoor air (from cooling). Airflow and supply air temperature can be set from one or more CD control panels. Symbol and text in the display will indicate chosen settings; re-heater operating, summer operation and need for filter change. Commissioning of airflow on supply and extract on each step is set from the control. Timer-function for automatic change between day and night operation (installations in commercial buildings) is integrated. Alarm signal will indicate possible malfunctions.

The CD panel also has a user level for authorized installers and service personnel.

The CD panel is connected to the unit by means of cable with quick connectors (modular plugs), alternatively via 4-pole terminal block. The VR 700 DC is provided with outlet for control of external hot water battery and inlets prepared for demand controlled ventilation from external sensors, f. inst. CO₂ or presence sensor (potential free contact).

Technical parameters

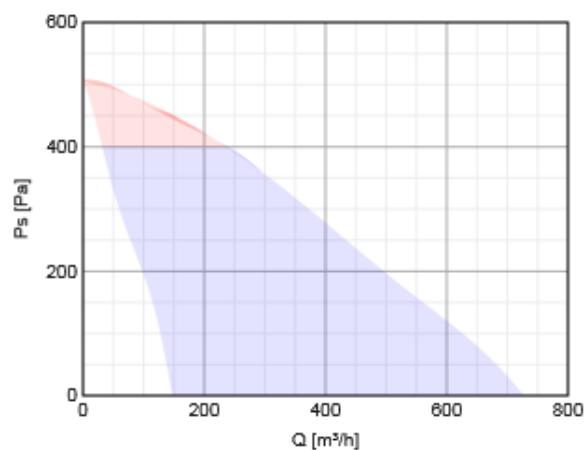
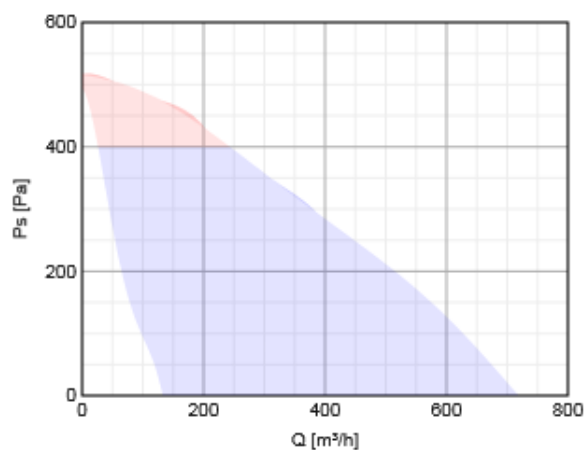
Voltage	230	V
Frequency	50	Hz
Phase	1	~
Input power, fan motor(s)	2x246	W
Input power, electrical heating battery	1.67	kW
Recommended fuse	13	A
Enclosure class	24	IP
Weight	65	kg
Filter, supply air	F7	
Filter, extract air	G3	

Performance

Diagrams

Supply

Exhaust



Dimensions

