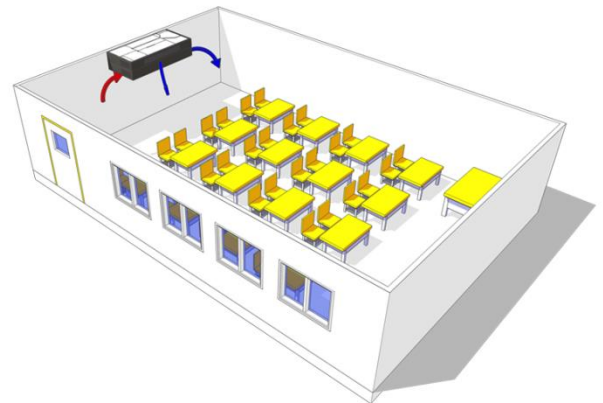


HR CLASS UNIT: technical data

Product description

The HR class unit is a double flow high efficiency heat recovery unit specially designed for classroom applications. This decentralized solution is very easy to install on walls and is suitable for school renovation.



An individual control for each classroom

All units are factory programmed and supplied with Plug & Play controls. The setup is intuitive and can be made very easily.

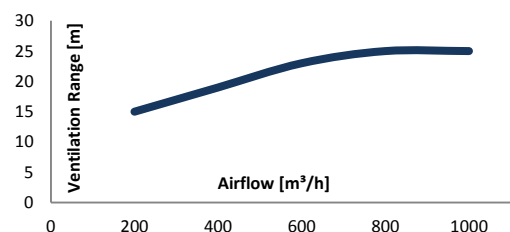
The devices are equipped with TAC5 Technology which enables the system to maintain the required airflow. With this technology and according to the classroom needs, a complete range of working modes is available with for example the use of a timer control, a CO2 sensor or a humidity sensor.

A lot of options are available according to the needs. In addition to a remote control and GRC (Graphical User Interface), the units can be connected to an external management system (Modbus, KNX, or other protocols). Wi-Fi, Ethernet and BACnet communications are also available. For example, in large buildings with numerous units, the central control via PC may be the optimal solution. Furthermore the HR Class unit is equipped with a 3 doors system with easy access to the internal components which allows a fast and effortless maintenance.

With its ventilation range up to 25m, the Class Unit can also be used for the ventilation of large class rooms or audiences.

It is standard equipped with an adjustable slats diffuser.

As an option, the outlet exhaust air and the fresh air can be connected on the top of the unit.



Our HR Class Unit complies with the European standard EU 1253/2014 and are certified ERP 2016/2018 (LOT 6). The Class Unit is also in a certified **VDI6022** version.

Technical data

Airflow range	100 – 1000 m ³ /h
Dimensions (L x l x H)	2056 x 980 x 460 mm *
Ducting diameter	315mm *
Weight	220 kg *
Supply	1 x 230V – 50Hz

Maximum absorbed current (without KWout option)	6,5 A (19,5A with electric postheating)
Advised electrical protection	20A / D-1000A-AC3
Filter : supply / exhaust	M5 / M5
Automatic freecooling	Yes : 100% bypass included
Anti frost protection	Yes : modulated bypass included
Post heating	Yes 3kW electrical coil**
Nominal working air temperature range	-20°C to +50°C
Panels color	RAL 9002

(*) For the standard unit, this may change if the unit is equipped with the top connection option

(**) This KWout is automatically modulated to keep a constant supply temperature.

Airflow (m ³ /h)	Absorbed power (W)	SFP (W/(m ³ /h))	Heat exchanger efficiency (%)	Supply T° (°C)	Noise level (dBA)
400	49	0,12	94,7	20,3	23
600	110	0,18	93,4	19,9	30,5
740	178	0,24	92,7	19,7	35
800	210	0,27	92,5	19,6	37,5
1000	378	0,37	91,7	19,3	42

Values calculated without external pressure. Thermal efficiency with -10°C/90% HR for outside conditions and +22°C/50% HR for inside conditions. Noise level measured at 1m in front and 1m under the unit, in a room with reverberation time of 0,3s.

Dimensions

