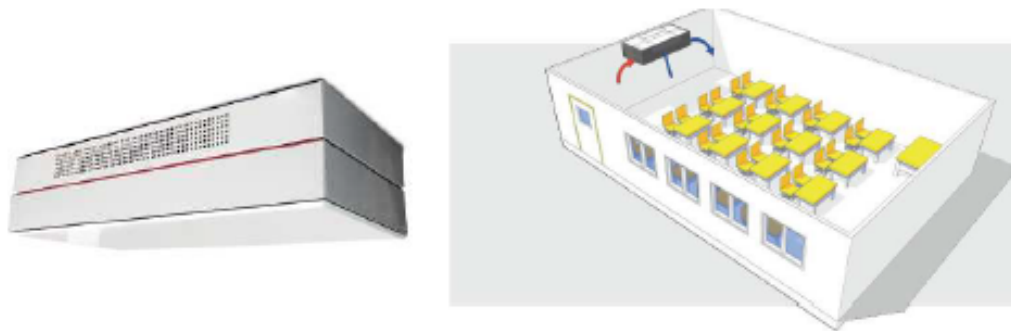


HR CLASS UNIT: technical data

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 against the wall and is suitable for school renovation.



An individual control for each classroom

All units are supplied with the Plug & Play control, with a standard programming in the factory. The settings' adjustments are simplified and can be made intuitively.

All devices are equipped with TAC4 Technology which enables the system to maintain the required airflow directly. Thanks to that and according to the needs of the classroom, a complete range of controls is possible such as the use of a timer control, a **CO2 sensor** or a humidity sensor.

Talking about the control, numerous options are possible 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). For example, in large buildings with numerous units, the central control via PC may be the optimal solution.

Technical data

Airflow range	100 – 1000 m ³ /h
Dimensions (L x W x H)	2044 x 928 x 458 mm
Ducting diameter	315mm
Weight	200 kg
Supply	1 x 230V – 50Hz
Maximum absorbed current (without KWin option)	6,5 A
Advised electrical protection	8A / D-1000A-AC3
Filter : supply / exhaust	F7 / G4
Automatic freecooling	Yes : 100% bypass included
Anti frost protection	Yes : modulated bypass included
Post heating	Yes (option 3kW electrical coil) (*)
Nominal working air temperature range	-20°C to +50°C
Panels color	RAL 9022

(*) This KWout option 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)
200	21	0,105	95,6	20,6
400	51	0,126	93,5	19,9
600	113	0,189	92,2	19,5
800	223	0,279	91,2	19,2
1000	398	0,398	90,4	18,9

Values calculated without external pressure. Thermal efficiency with -10°C/90% HR for outside conditions and +22°C/50% HR for inside conditions.

Dimensions

