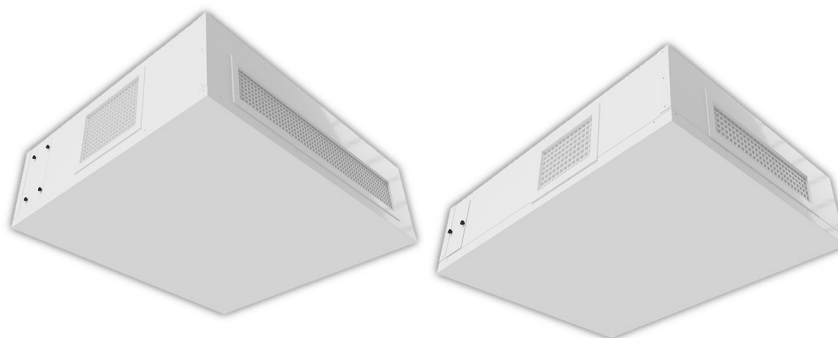


TOTAL CLASS 300/800

horizontal non-ducted ventilation unit



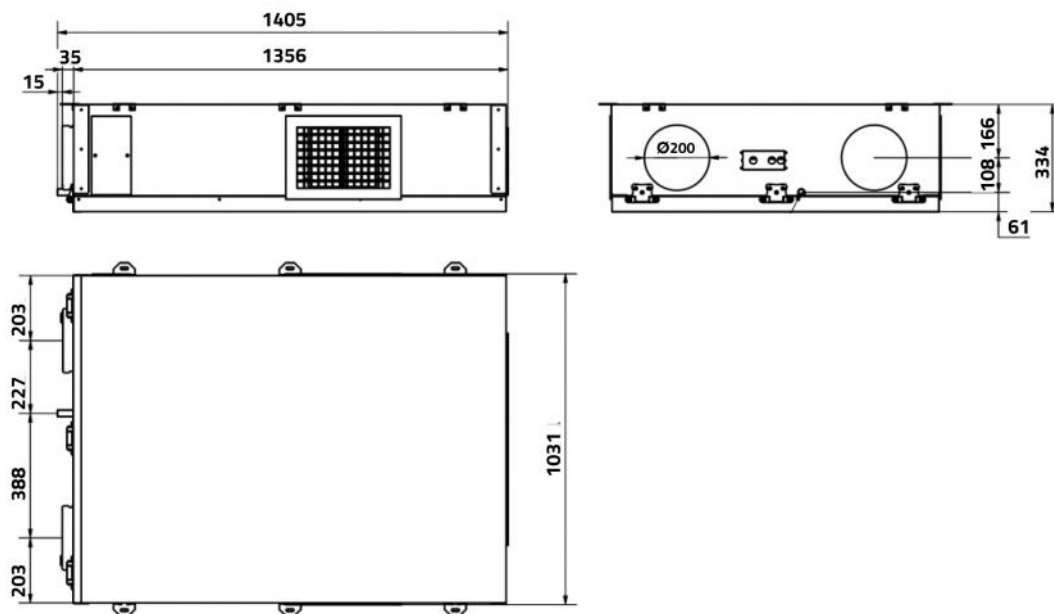
- cod. ACC200001 - cod. ACC200002 - cod. ACC200003
- cod. ACC200004



TECHNICAL SPECIFICATIONS:

- Non-ducted ventilation unit
- Evo 300 maximum flow capacity 400 m³/h
- Evo 800 maximum flow capacity 1000 m³/h
- Polypropylene counter-flow heat recovery unit with >90% efficiency
- EC centrifugal fans, backward curved blades, low consumption
- Low pressure drop filters F7 (ePM1 70%) for renewal and exhaust air
- Self-supporting structure in pre-painted sheet metal
- Rock wool thermal/acoustic insulation th. 50 mm
- Integrated by pass for free-cooling / free-heating (motorised drive with automatic control)
- Available with Evo and Evo Plus control
- Integrated frost protection
- Operating conditions: ambient temperature between 0°C and 45°C, humidity <80%

DIMENSIONS

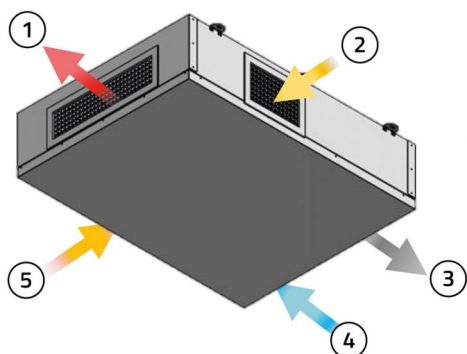


CODE	TECHNICAL DATA	EVO 300 / EVO PLUS 300	EVO 800 / EVO PLUS 800
ACC200001	Dimensions [mm]	1020x1350x335	1555x1355x470
ACC200002	\varnothing pipes [mm]	2 x 200	2 x 315
ACC200003	Weight [kg]	95	148

TECHNICAL DATA

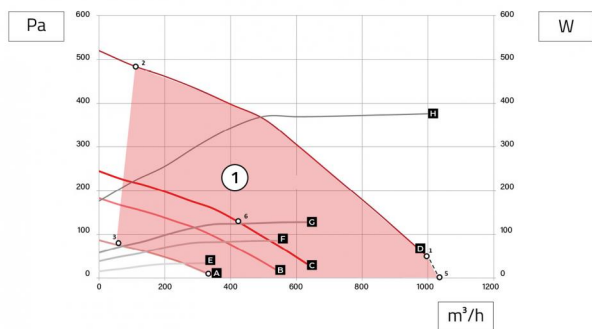
TECHNICAL SPECIFICATIONS	EVO 300 / EVO PLUS 300	EVO 800 / EVO PLUS 800
Power supply [V]	230	230
Frequency [Hz]	50-60	50-60
Current [A]	2.7	2.8
Power [W]	350	380
Flow capacity [m ³ /s]	0.1	0.277
Electrical power consumption [kW]	0.327	0,377
Specific ventilation power [W/(m ³ /s)]	1378	1189
Front speed at nominal capacity [m/s]	1.56	1.42
Nominal external pressure [Pa]	358	50
Ventilation components internal pressure drop [Pa]	259	269
Fan static efficiency	39.1	49.3
Sound pressure level [dB(A)]	36	34

FLOW



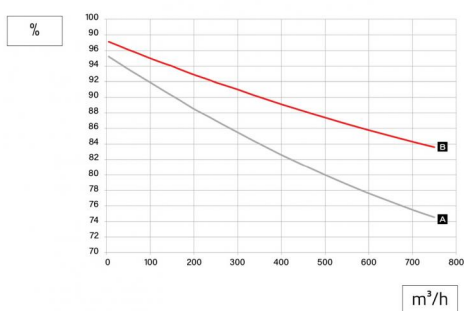
- [1] Air intake
- [2] Intake
- [3] Expulsion
- [4] Renewal
- [5] Intake

FLOW RATE DIAGRAM TOTAL CLASS 800



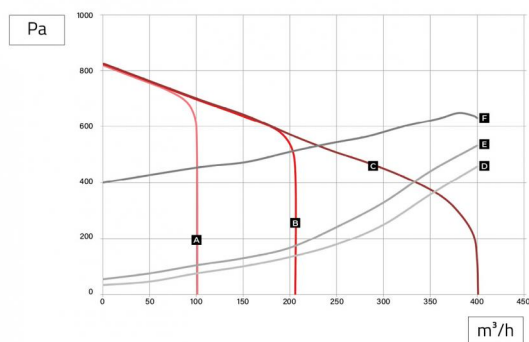
- [1] Allowed operating range

- [A] Flow rate at 40% speed
- [B] Flow rate at 60% speed
- [C] Flow rate at 70% speed
- [D] Flow rate at 100% speed
- [E] Power consumption 40%
- [F] Power consumption 60%
- [G] Power consumption 70%
- [H] Power consumption 100%

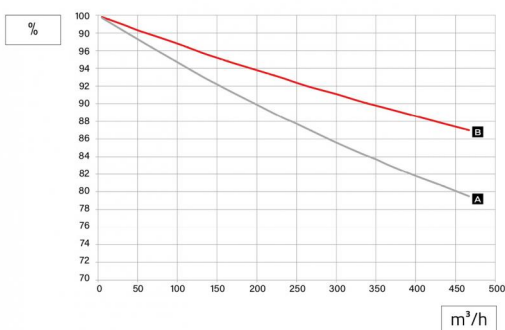


- [A] Heat recovery unit yield as per UNI1253/14: outdoor -0°C - indoor 20°C (dry)
- [B] Heat recovery unit yield as per UNI308: outdoor -5°C 80% RH - indoor 20°C 50% RH

FLOW RATE DIAGRAM TOTAL CLASS 300



- [A] control signal 1.5 V - flow rate 100 m³/h
- [B] control signal 5 V - flow rate 205 m³/h
- [D] control signal 10 V - flow rate 400 m³/h
- [E] Power consumption at maximum useful pressure
- [F] 50 Pa of useful pressure
- [G] 100 Pa of useful pressure



- [A] Heat recovery unit yield as per UNI1253/14: outdoor 7°C - indoor 20°C (dry)
- [B] Heat recovery unit yield as per UNI308: outdoor -5°C 80% RH - indoor 20°C 50% RH

CONTROL OF THE EVO MODEL UNIT



The remote control can be installed inside a 503 horizontal built-in box and comes with a set of adapters for installation with all well-known brands.

The remote control consists of the following:

- 2 keys for speed setting change and filter alarm reset
- 5 signalling LEDs: 3 green LEDs to indicate active speed, 1 red LED to signal the filter alarm, and 1 blue LED to signal the opening of the by-pass and anti-freeze feature
- The remote control is connected via a standard network cable (non crossover) using RJ45 connectors (max recommended length 30 m).
- Supplied with 3 m cable as standard

CONTROL OF THE EVO PLUS MODEL UNIT



Electronic diagram with white LCD display

- Speed selection 1, 2, 3 or automatic
- Automatic by-pass management for free-cooling and free-heating
- Frost protection
- Filter alarm with hour counter (with pressure switch option)
- Handling of probes for humidity, temperature, air quality, CO₂
- Controls water batteries and pre-treatment and/or after-treatment electric heating elements
- Communication via Mod. Bus
- Humidity and temperature probes, built-in

ITEMS

CODE	DESCRIPTION
ACC200001	"TOTAL CLASS EVO 300" - VENTILATION UNIT - NOT DUCTED - HORIZONTAL
ACC200002	"TOTAL CLASS EVO PLUS 300" - VENTILATION UNIT - NOT DUCTED - HORIZONTAL
ACC200003	"TOTAL CLASS EVO 800" - VENTILATION UNIT - NOT DUCTED - HORIZONTAL
ACC200004	"TOTAL CLASS EVO PLUS 800" - VENTILATION UNIT - NOT DUCTED - HORIZONTAL

All rights relating to this publication are the exclusive property of Tecnosystemi SpA.

Tecnosystemi SpA reserves the right to make changes at any time and without notice, for technical or commercial needs.