



**NEW**

### + PRODUCTS

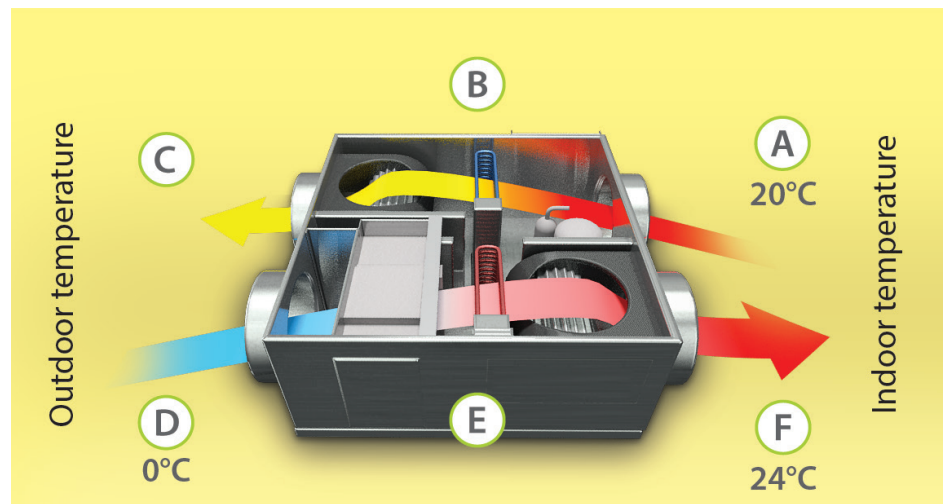
- High efficiency.
- COP higher to 3.9.
- Heat pump integrated.



- Three sizes available to provide 200, 300 or 650 m<sup>3</sup>/h.
- Supply of pre-heated or pre-cooled fresh air to buildings.
- Air quality guaranteed by its filtration system.
- Ventilation system with heat recovery by integrated heat pump.
- New air entering the building at a minimum of 17 °C.
- Ultra-pure air thanks to ioniser filtration that eliminates bacteria and dust (option).

### WINTER OPERATION

The indoor air (A), extracted from the most dirty and humid as bathrooms and kitchen, flows through the evaporator coil (B) and transfers heat to the heat pump. Only then it is rejected (C). After having taken energy from the exhaust air, the refrigerant in the heat pump transfers it through the condenser coil (E) to the outdoor fresh air (D) before being introduced in the room (F), before the inlet in the living room and bathrooms.



# AIRFLOW 2020

## Thermodynamic CMV dual flow

### AIRFLOW 2020 TECHNICAL DATA

Indoor units		200	300	650
<b>AIR 7°C</b>				
<b>Heating capacity</b>	<b>kW</b>	<b>1.81</b>	<b>2.33</b>	<b>5.00</b>
Total power input	kW	0.44	0.59	1.27
COP (EN 14511:2013)	-	4.11	3.95	3.94
<b>AIR -5°C</b>				
<b>Heating capacity</b>	<b>kW</b>	<b>1.86</b>	<b>2.35</b>	<b>5.10</b>
Total power input	kW	0.36	0.43	1.00
COP (EN 14511:2013)	-	5.17	5.47	5.10
<b>AIR 30°C</b>				
<b>Cooling capacity</b>	<b>kW</b>	<b>1.57</b>	<b>2.10</b>	<b>4.03</b>
Total power input	kW	0.54	0.70	1.48
EER (EN 14511:2013)	-	2.91	3.00	2.72
<b>AIR 35°C</b>				
<b>Cooling capacity</b>	<b>kW</b>	<b>1.63</b>	<b>2.17</b>	<b>4.23</b>
Total power input	kW	0.57	0.73	1.60
EER (EN 14511:2013)	-	2.86	2.97	2.64
Supply airflow	l/s	55.0	83.0	181
Max. static pressure supply fan	Pa	120	120	120
Standard power supply	V	230/1/50	230/1/50	230/1/50
Min. inlet air temperature (D.B.) <sup>(2)</sup>	°C	-15	-15	-15
Sound pressure level <sup>(1)</sup>	dB(A)	39	41	46

(1) The sound levels refer to the unit at full load, in the rated test conditions.

The sound pressure level refers to a distance of 1m from the external surface of the units operating in an open field.

(2) In places where temperatures drop under -5°C for a considerable number of hours a year, it is recommended to use - electric duct heaters kit.

All the data provided meets standard EN 14511:2013 and refers to an available head of 50 Pa. When in cooling mode it is possible that the unit is operating at a reduced flow to ensure a specific humidity for the air introduced into the environment in keeping with the setpoint.

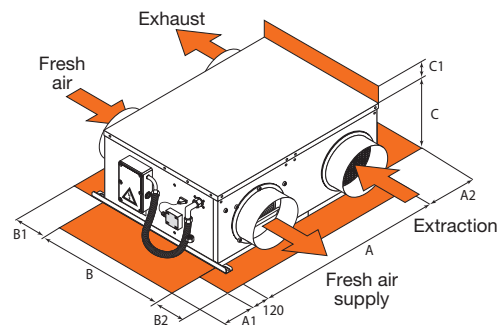
A7 External air temperature 7°C D.B./ 6°C W.B., Exhaust air temperature 20°C D.B./ 15°C W.B.

A-5 External air temperature -5°C D.B./ -5.4°C W.B., Exhaust air temperature 20°C D.B./ 15°C W.B.

A30 External air temperature 30°C D.B./ 22°C W.B., Exhaust air temperature 27°C D.B./ 19°C W.B.

A35 External air temperature 35°C D.B./ 24°C W.B., Exhaust air temperature 27°C D.B./ 19°C W.B.

DIMENSIONS				
Size		200	300	650
<b>A - Length</b>	mm	922	922	1158
<b>B - Width</b>	mm	704	704	741
<b>C - Height</b>	mm	364	364	423
<b>A1</b>	mm	620	620	620
<b>A2</b>	mm	20	20	20
<b>B1</b>	mm	300	300	300
<b>B2</b>	mm	300	300	300
<b>C1</b>	mm	20	20	20
<b>Operating weight</b>	kg	70	75	100



**CAUTION!** For trouble-free operation of the unit it is essential to maintain the safety distances indicated by the orange areas.