



# DECENTRALISED MECHANICAL EXTRACT VENTILATION





## KEY FEATURES

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**BROOKVENT airstream DMEV** is a discrete continuous running decentralised mechanical ventilation unit suitable for new build and refurbishment projects. The unique fan impeller design reduces turbulence to maximise airflow with minimal noise. Units can be wall or ceiling mounted directly to outside or through a short run of ducting.

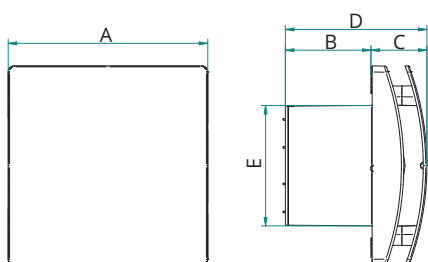
- VERY QUIET
- REMOVAL OF INDOOR POLLUTANTS
- MULTI SPEED
- DESIGNED FOR CONTINUOUS RUNNING
- VERY LOW RUNNING COSTS
- EASY MAINTENANCE

- **IPX4** protection degree.
- **Aesthetic front flat cover** for modern interior design, easily removed for cleaning without the need of tools.
- **Aerodynamic deflectors** on the housing to reduce air turbulences and designed to maximise airflow.
- **Rigid optimised spigot** preventing distortion.
- **Low power consumption:** EC motor optimised for continuous running applications (24/24h).
- **Multi speed selection** to meet different ventilation requirements:
  - trickle speed: can be selected among 3 options either in case of air exhausting directly to the outside or of ducted installation;
  - boost speed (max speed).
  - available in Ø100mm
- **Possible installation:** wall/panel, ceiling and window.
- **Totally recyclable plastic components**, environmentally friendly.
- **Double insulated:** no earth connection is required.
- **Tested to the latest standards:**
  - energy efficiency tested at independent laboratory BRE (UK).
  - designed and manufactured in accordance with EN60335-2-80 (Low Voltage Directive) and the EMC Directive (Electromagnetic Compatibility)

## DIMENSIONS (mm)

airstream DMEV 100 HT Product code: AF 90-DMEV-100HT

Model	Weight	A	B	C	D	E
airstream DMEV 100	0.6 kg	164	70	46	116	99



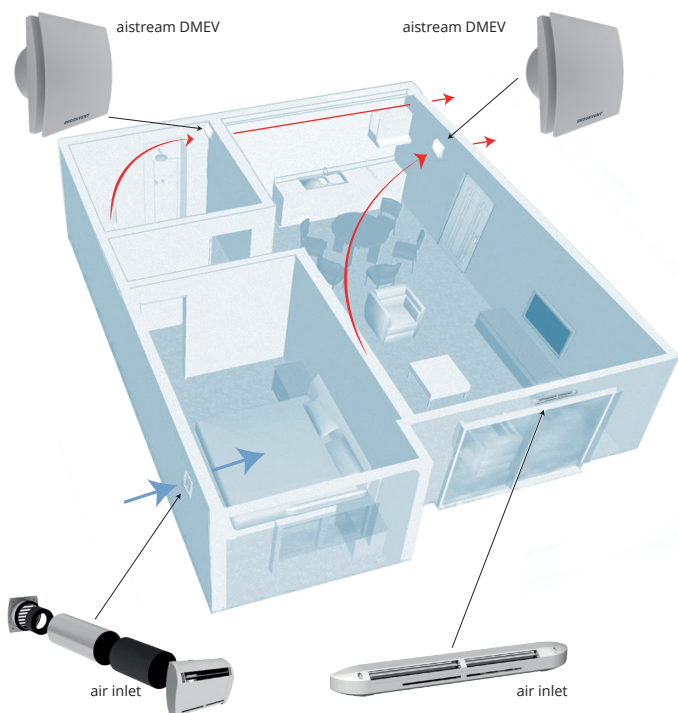
## PERFORMANCE DATA

Model	airstream DMEV 100
<b>Air-flow l/s</b>	max 23.05 min 7.5/5.8
<b>Power consumption W</b>	max 2.6 / 2.5 min 1.0
<b>Sound pressure db(A) @ 3m (1)</b>	max 26 min 11
<b>Ambient temp. °C max</b>	50
<b>Degree of protection IP</b>	X4
<b>Marking</b>	CE

- air performance measured according to ISO 5801 a 220-240V ~ 50Hz, air density 1,2Kg/m<sup>3</sup>.  
(1) sound pressure level @ 3m in free field, for comparative purposes only

## EXAMPLE OF A COMPLETE VENTILATION SYSTEM

## APPLICATION



**Ideal solution** in case of renovation.

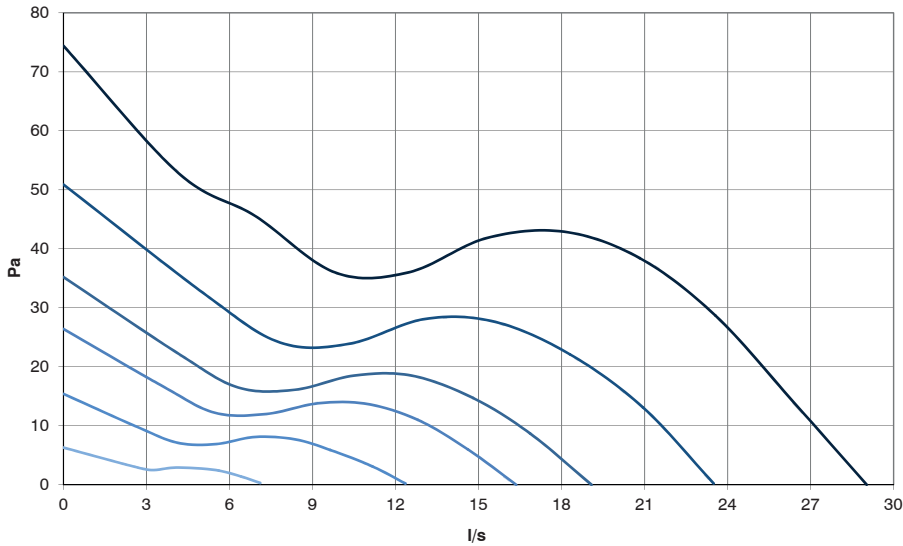
**How it works:** the decentralised mechanical ventilation unit (Airstream DMEV) continuously extracts the stale air from the wet rooms directly to outdoor with the highest acoustic comfort.

**Energy efficient:** the EC brushless motor consumes a very low amount of electricity.

**Indoor air quality:** a correctly specified mechanical ventilation system can ensure the quality of the indoor air is constantly maintained for the health and well-being of the occupants as well as of the building.

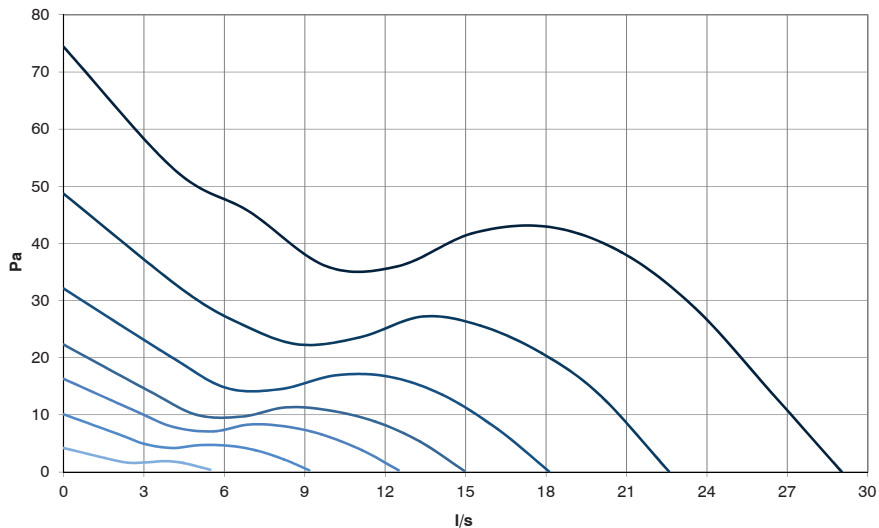
## PERFORMANCE CURVES "IN ROOM" SETTINGS

airstream DMEV 100



Working point	l/s	SPI (W/l/s)	W	dB(A) @3m
A	5	0,25	1,2	<9
B	8	0,18	1,4	12
C	11	0,16	1,7	16
D	13	0,16	2	21
E	16	0,15	2,3	29
F	20	0,18	3,4	36
G	25	0,23	5,8	38

## PERFORMANCE CURVES "THROUGH WALL" SETTINGS



Working point	l/s	SPI (W/l/s)	W	dB(A) @3m
A	5	0,26	1,3	<9
B	8	0,21	1,7	17
C	11	0,19	2,1	24
D	13	0,19	2,5	29
E	16	0,22	3,4	34
F	20	0,28	5,6	38

## BROOKVENT

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