

# Air Flow Solutions



## Central Extraction

Offices, retail, leisure and education





# CONVENIENCE

Central to your needs

## Central Extraction

### Why Ventilate?

Airovent mechanical extract ventilation (MEV) provides a choice of continuous, low cost extraction in new and refurbished dwellings. Conveniently centrally located in lofts and cupboards it will provide excellent, low noise extraction from a combination of the bathroom, en-suites, utility room and kitchen through easy to fit ducting.

Alternatively, consider a de-centralised solution (dMEV).

#### Airovent

MEV continuously extracts stale, moist air creating a generally healthier environment helping alleviate the problems of dampness and condensation benefitting both the fabric of the building and also occupant health.

#### dMEV

An alternative solution for continuous extraction from individual wet rooms is a decentralised mechanical ventilation (dMEV) method. Refer to iCON, iCONstant and LOOVENT eco dMEV products for further details.

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# Airovent

## Central Extraction



### KEY FEATURES

- Continuous operation centrifugal fan
- Flow up to 375 m³/hr
- Helps reduce condensation and mould problems
- Low noise, long life EC motors
- Complies with Building Regulations
- Standard units have 3 x 125 mm diameter extract connections
- Airflex Pro units have 6 x 75 mm diameter extract connections
- All units have 1 x 125 mm diameter connection on exhaust
- Low specific fan power
- SAP Eligible
- 2 year warranty from date of purchase

### WHV8, WHV8/6

Airovent WHV8 is designed to provide extraction levels that comply with the latest Building Regulations 2010 and is SAP Eligible. With three speed settings for low, medium and high speed extraction WHV8 provide quiet and continuous ventilation.

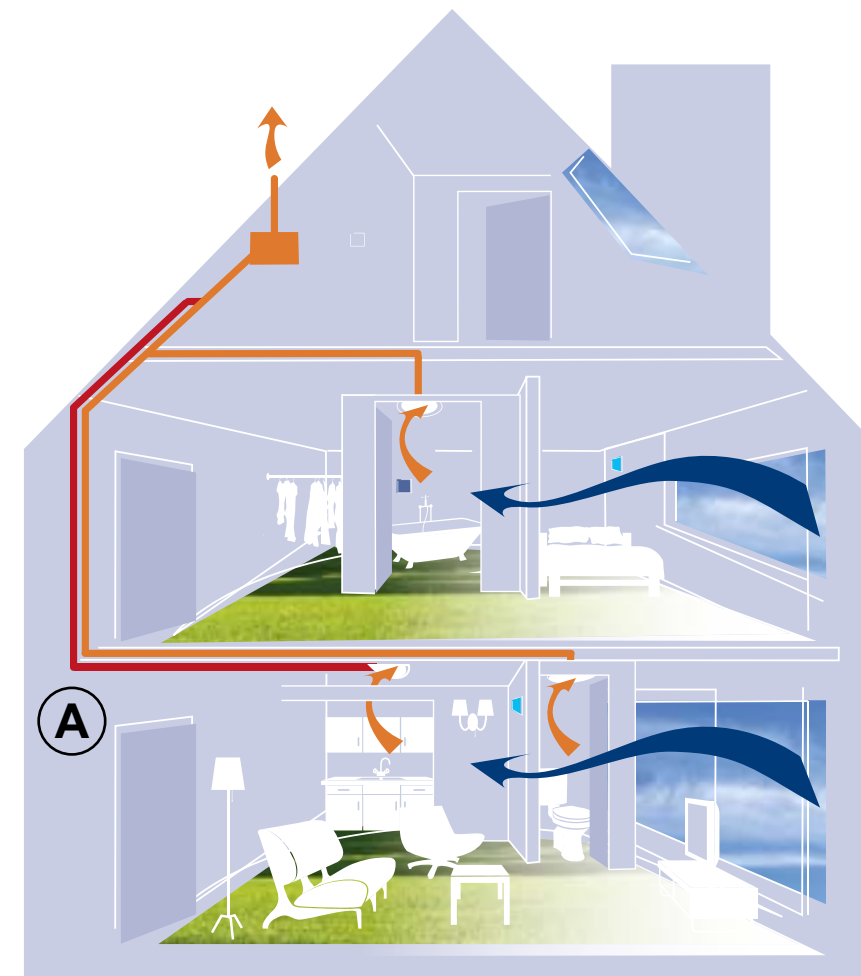
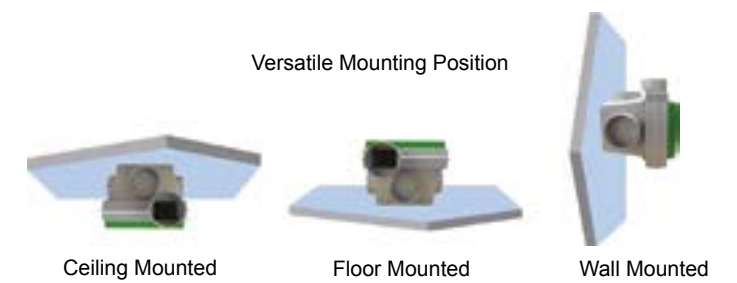
### HVS10, HVS10R, HVS10/6, HVS10R/6

Airovent HVS10 is designed to provide extraction levels that comply with the latest Building Regulations 2010 and is SAP Eligible. The HVS10 is an exceptionally quiet and energy efficient whole house ventilation system. It has 18 easily adjustable speed settings for comprehensive air flow control to suit the individual requirements of the dwelling. Model HVS10R comes with a remote control and built-in humidity sensor for full automation and 14 speed settings. Model HVS10/6 comes with a kit included to connect the Airflow's Airflex Pro Zero Leakage Ducting Solution.



### APPLICATIONS

- Wholehouse mechanical extract ventilation
- New residential properties and refurbishments
- Extracts from multiple rooms simultaneously
- Connects directly to 125 mm diameter pipe and now Airflex Pro 75 mm diameter "Zero Leakage" SAP Eligible ducting



Central Extract Ventilation or "System 3" in the Building Regulations (ADF) is a centrally located, continuously running mechanical extract unit with ducts running to moisture producing areas or "wet rooms", such as kitchens, utility rooms, toilets and bathrooms. Natural ventilation through background ventilators replaces extracted stale moist air within the home, ensuring good indoor air quality.

As technology in fan ventilation has developed further there are now alternatives that can be offered for a System 3 solution.

### dMEV

Continuously running localised fans or dMEV (decentralised mechanical extract ventilation) fans as they are known, may be utilised in place of a centrally running mechanical extract unit ducted to extract areas.

Airflow's tried and tested iCON, LOOVENT eco dMEV and the new iCONstant dMEV fulfil these applications perfectly.

**Fig A** - Illustrates a typical "System 3" or central extract duct layout, focusing on the 'Best Practice' that the toilet extract is separate to, or positioned in line between the kitchen extract and the extract unit.



iCONstant dMEV



Refer to residential fans section for details

iCON dMEV



Refer to residential fans section for details

LOOVENT eco dMEV



Refer to residential fans section for details

TECHNICAL DATA

Part No.	Model	Low air flow (m³/hr)	Mid air flow (m³/hr)	High air flow (m³/hr)	Power watts	Supply
72649401	WHV8	120	205	335	13/40/73	230 / V / 1Ph / 50Hz
90000362	WHV8/6	120	205	335	13/40/73	230 / V / 1Ph / 50Hz
72649601	HVS10	85	248	375	06/26/81	230 / V / 1Ph / 50Hz
72649701	HVS10R	110	200	375	06/12/20	230 / V / 1Ph / 50Hz
90000343	HVS10/6	85	248	375	06/26/81	230 / V / 1Ph / 50Hz
90000364	HVS10R/6	110	200	375	06/12/20	230 / V / 1Ph / 50Hz

DIMENSIONS (mm)

Airovent WHV8, HVS10, HVS10R  
Figure 1

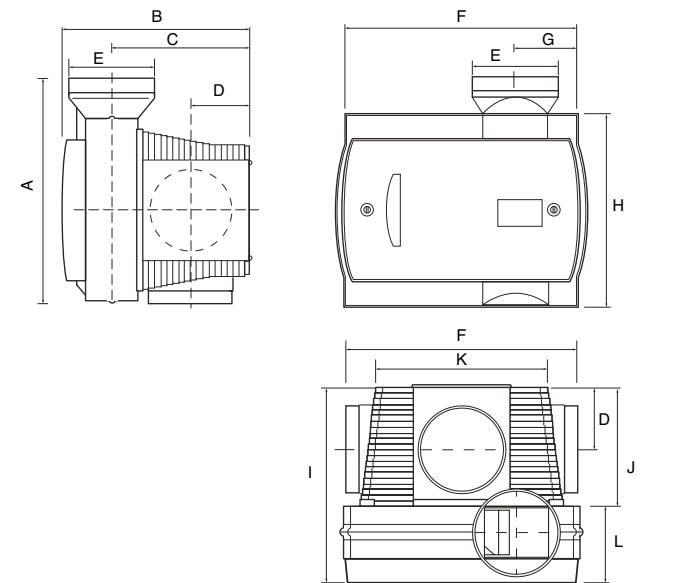
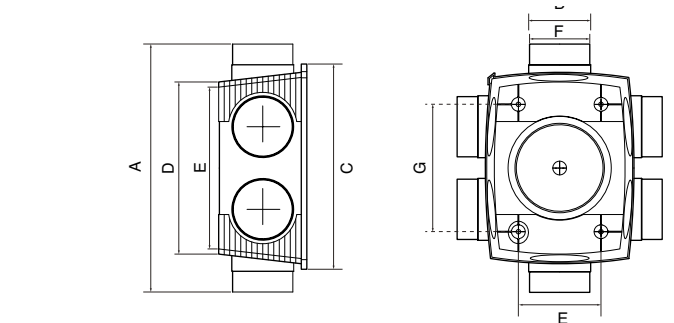


Figure 1	A	B	C	D	E	F	G	H	I	J	K	L
Figure 1	330	275	205	88	124	340	82	280	275	166	252	112

Rear box dimensions for WHV8/6, HVS10/6, HVS10R/6



Rear box	A	B	C	D	E	F	G	H	I
Rear box	360	90	298	250	120	87.5	185	30	120

Airovent WHV8/6, HVS10/6, HVS10R/6  
Figure 2

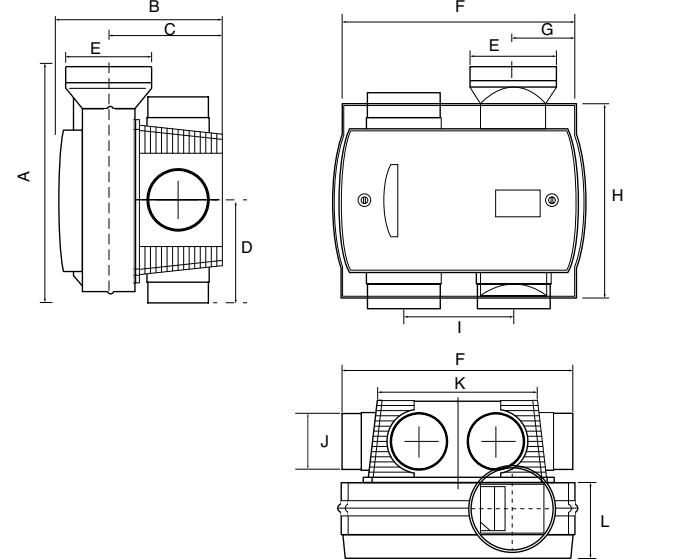
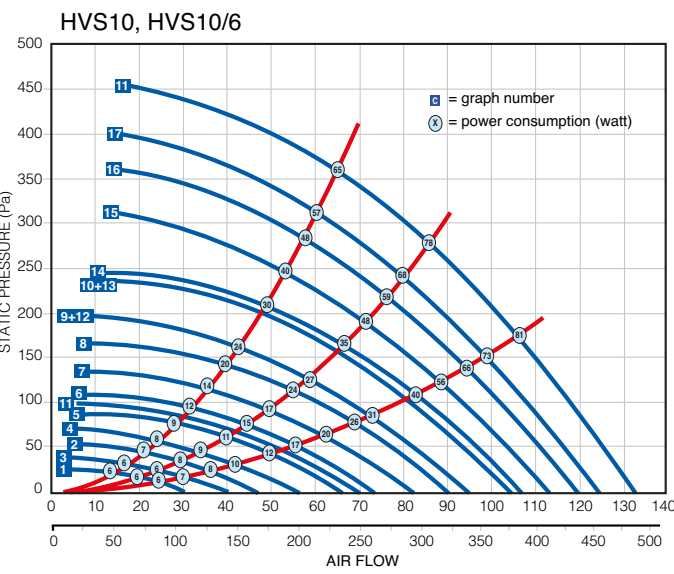
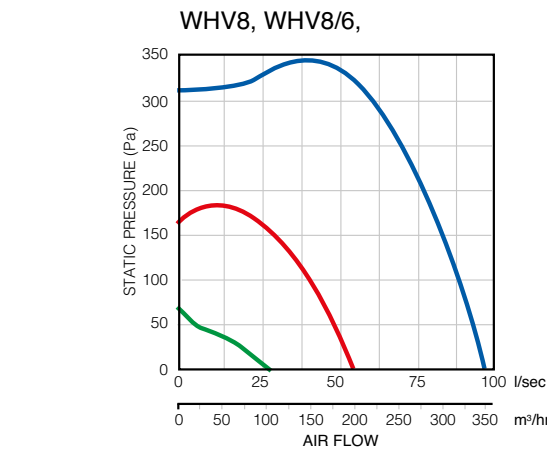


Figure 2	A	B	C	D	E	F	G	H	I	J	K	L
Figure 2	330	245	136	148	124	340	82	280	120	150	252	112

PERFORMANCE



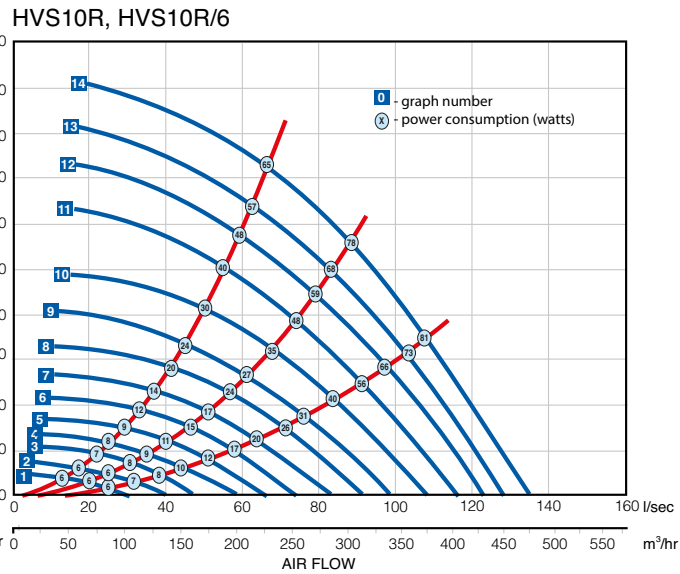
Position	Airflow (m³/h)	(PA)
1. Low	85	10
2. Low	127	21
3. Middle	95	12
4. Middle	142	25
5. Middle	170	45
6. Middle	200	50
7. Middle	225	65
8. Middle	248	75
9. Middle	255	85
10. Middle	270	92
11. High	195	48
12. High	255	85
13. High	270	92
14. High	290	110
15. High	320	130
16. High	335	140
17. High	350	150
18. High	375	175

HVS10R, HVS10R/6 Wireless Remote Control Use.

The unit has a choice of fourteen speeds which are divided into three fan speed ranges, low, medium and high. Each speed range has a number of individual speed settings which are selected when the unit is installed / commissioned.

When selecting Auto mode on the wireless remote controller: The low fan speed selected will automatically be activated and continue to run until boosted to the medium speed setting by humidity. Pressing the Auto selection will override manual settings.

When manually operating the unit using the wireless remote controller: By pressing one of the three manual speeds on the wireless remote controller, overrides Auto selection. Speeds 1 - 2 - 3 on the wireless remote, relates to low, medium and high fan speed ranges.



Position	Airflow (m³/h)	(PA)
*1. Low	85	10
2. Low	110	15
3. Middle	127	21
*4. Middle	150	34
5. Middle	170	45
6. Middle	200	50
*7. High	225	65
8. High	248	75
9. High	270	85
10. High	290	110
11. High	320	130
12. High	335	140
13. High	350	150
14. High	375	175

CONTROLS AND ACCESSORIES

A range of accessories including flexible and rigid ducting kits, controls, switches and grilles are available.

See accessories section for more details.

# Air Flow Solutions



## Always Innovating

Our constant search for new and better ways to save energy, improve the indoor environment and provide you with high quality, reliable and easy to use products that contribute to a low carbon future continues.

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**Airflow Developments Limited**  
Aidelle House, Lancaster Road,  
Cressex Business Park,  
High Wycombe, Buckinghamshire,  
United Kingdom, HP12 3QP

E-mail: [info@airflow.com](mailto:info@airflow.com)  
Telephone: +44 (0) 1494 525252

[airflow.com](http://airflow.com)

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