

# TECHNICAL DATA SHEET

## ATMOS® | Whole House Positive Input Ventilation Unit



### PRODUCT

The ATMOS® WALL Unit is an energy efficient condensation-control unit for flats and apartments.

### APPLICATIONS

The ATMOS® WALL mounted unit is manufactured in the UK and is designed for installation into flats and apartments to meet the Building Regulations Approved Document F.

ATMOS units supply filtered air from outside into a central location within the property at a continuous rate. Air is supplied via a grille that is designed to maximise the efficiency of airflow. The unit provides ventilation in order to improve indoor air quality and reduce condensation related problems such as damp and mould.

### INSTALLATION

A full installation guide is enclosed with all products, or is available for download on the EnviroVent website. The unit is pre-wired with a standard length of cable for connection to the 230V mains supply and an internal low voltage connection point for the auto comfort heater switch. On W and A versions, the low voltage connection point is reconfigured as a 0-10V input. An internal grille for fitting to the unit is supplied as standard along with a fixing kit.

### INTEGRAL 'INTELLIGENT' COMFORT HEATER

The integral pre-heater is designed to temper the incoming air during periods of low external temperatures. A sensor monitors incoming air and pulses the heater to ensure temperatures are held to pre-set minimums.

### CONTROLS

At installation, the unit will be set by the installer using the integrated control panel to run at one of the 4 fixed speeds (1,2,3,4) depending on the size and occupancy of the property, a variable speed option is also available. The unit will run continuously all year round on this setting. An integral hours run meter is fitted on all units for monitoring of operational life and verification of usage.

#### Optional controls:

Model **ATF-W** - These units are supplied with a wireless remote control. The user can view the current status of the unit, increase or decrease the airflow as required and enable/disable the auto comfort heater.

Model **ATF-A** - These units are app-enabled. Once the user activates the boost switch in the myenvirovent app, the airflow is boosted for 20 minutes (default time period) before returning to the commissioned setting. Other functions within the myenvirovent app include: Airflow setting, Filter change indicator, Hours run meter, Auto comfort heater enable/disable.

0-10V variable control input for use with the AirSens® sensor is available on both W and A versions.

### ANNUAL RUNNING COSTS

Please scan our QR code to see the annual running costs of this product or visit:  
[envirovent.com/annual-running-costs](http://envirovent.com/annual-running-costs)



### PERFORMANCE & SOUND LEVELS

(as installed figures)

Incoming Air Temp. (°C)	Fan Speed Setting	Specific Fan Power (SFP)	Airflow (l/s)	Power Usage (W) (3)	Outlet Noise dB(A) @3m
<19 (1) (2)	1	0.34	12	4	<30
	2	0.30	15	4.5	<30
	3	0.30	19	5.5	32
	4	0.33	24	8	<40

- Above 19°C the unit increases airflow rates per setting by 10%.
- Power usage with Comfort Heater disabled.
- Data for unit with duct and grilles.

### PRODUCT CODES

Code	Description
ATF	ATMOS WALL Standard
ATF-A	ATMOS WALL App-Enabled
ATF-W	ATMOS WALL Remote Controlled Boost Switch

### CONSTRUCTION

Durable ABS plastic body.

### MOTOR

Designed to operate continuously at a pre-set rate, incorporating DC motor technology with sealed for life ball bearings.

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### FAN

Ø146mm x 75mm dual inlet forward curved centrifugal fan.

### FILTER

The unit has an ePM10 50% pleated filter. Optional ePM2.5 50% and Carbon ePM2.5 50% filters available.

### MAINTENANCE

EnviroVent recommend that filters are checked regularly and replaced as required. Areas with high particulate matter for example industrial areas, or higher-grade filters will become clogged quicker and will need replacing more frequently. Spare and replacement filters must be genuine EnviroVent parts.

### WARRANTY

**SUPPLY AND FIT:** If your product has been supplied and installed by EnviroVent Ltd it is covered by a 10-year supply and fit warranty.

**SUPPLY ONLY:** If your product has been supplied by EnviroVent and installed by a third party it is covered by a 5-year parts only warranty.

Please note that conditions and exclusions apply to the warranty which can be found at [www.envirovent.com/warranty](http://www.envirovent.com/warranty)

### ACCREDITATIONS

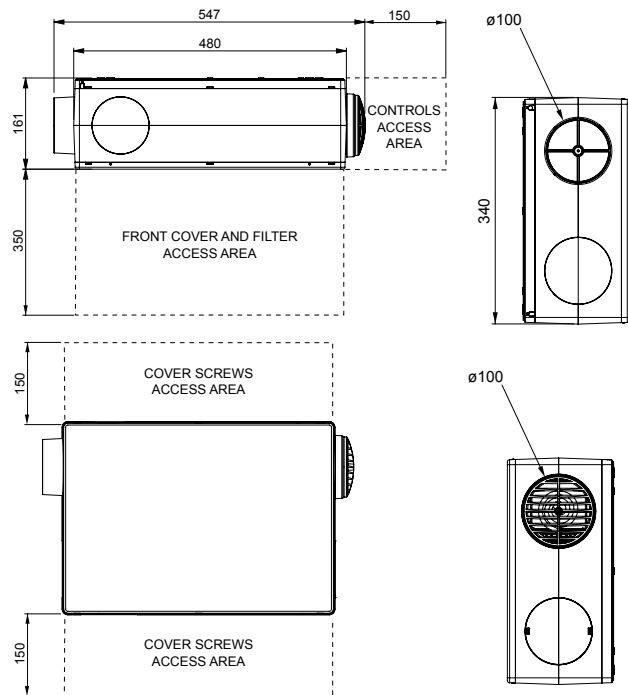
CE and UKCA Marked.

### SPARES & ANCILLARIES

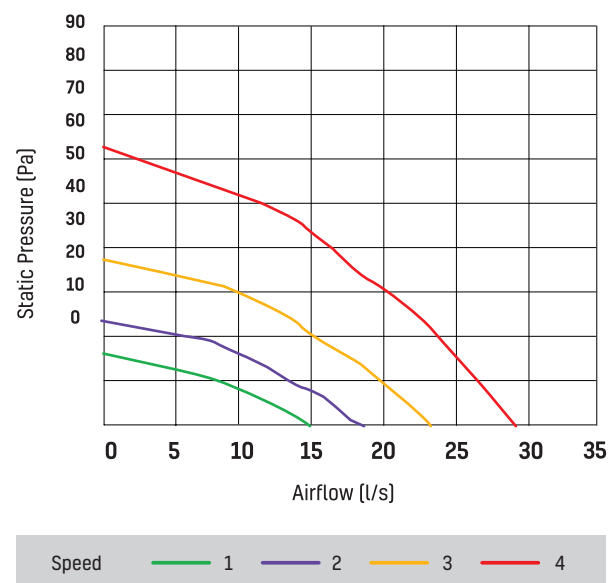
Spares & Ancillaries	Code
ISO ePM10 50% Filter	FILTERWALL-MEDIUM
ISO ePM2.5 50% Filter	FILTERWALL-FINE
ISO ePM2.5 50% Including Carbon Filter	FILTERWALL-FINE+C
Fixing Kit	FIXINGKIT-ATMOSWALL
Smoke alarm	1ACSMOKEALARMKIT
Wireless Remote Control*	SWHRFPIV
AirSens® CO2*	AIR-CO2
AirSens® VOC*	AIR-VOC
AirSens® RH*	AIR-RH
AirSens® TEMP	AIR-TEMP
AirSens® CO2 Wireless*	AIR-CO2-RF
AirSens® VOC Wireless*	AIR-VOC-RF
AirSens® RH Wireless*	AIR-RH-RF
AirSens® TEMP Wireless*	AIR-TEMP-RF
AirSens® Receiver	AIR-REC-RF

\*W and A units only. Requires AIR-REC-RF receiver for use.

### DIMENSIONS (MM)



### PERFORMANCE CURVE



Performance curve results are based on the unit running below 19°C and exclude ancillaries.