

DV245 Adroit

Smart Ventilation



KEY FEATURES

- For use in dwellings up to 400 m²*
- Up to 90% thermal efficiency and low SFP
- 'A' energy rating
- Internet control by smart phone, tablet or PC
- Triple filter design with F7 pollen filter
- Automatic, 100% summer by-pass
- Integral Humidity Sensor
- Galvanised steel, double-skin casing
- BMS (Modbus / KNX) connection
- Optional LCD digital controller with four independent environmental profiles
- Optional manual four speed controller
- Auto cut-out switch for extra safety
- Optional built-in Electric Post-heater
- Optional smart frost protection
- Complies with Building Regulations and Passive House certified
- 5 year warranty+

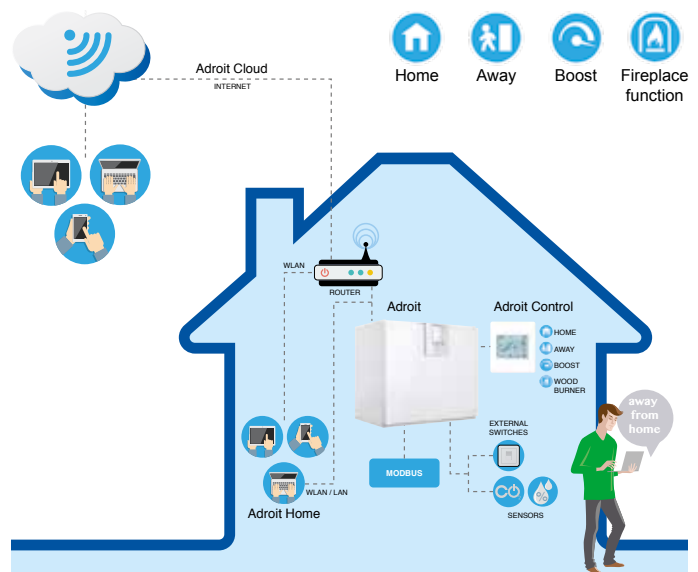
DV245 Adroit

With its powerful air volume capacity and high thermal efficiency the DV245 Adroit is suitable for large family houses. Control your indoor air environment at home or on the go via the Adroit 'Cloud' internet control by smart phone, tablet or PC.

With the triple filter design with an F7 pollen filter, the DV245 Adroit provides additional protection against invisible, harmful particles and creates an ultra hygienic environment.

The automatic, 100% summer by-pass facility isolates the heat recovery function and helps to effectively maintain a temperate indoor air climate during the summer months.

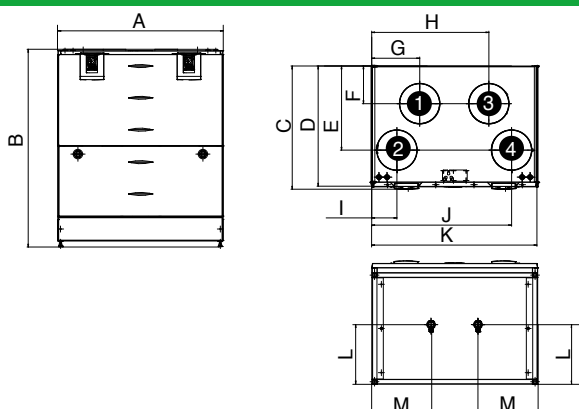
The unit includes an easily removable, aluminium heat exchanger and may be equipped with a range of optional accessories for higher performance.



TECHNICAL DATA

Specification	DV245
Suitable for dwellings up to m ²	400
Max air flow (m ³ /hr) / (l/sec) at 100Pa.	929 / 258
Thermal efficiency (%)	Up to 90
Heat exchanger	Cross-Counter-Flow (Aluminium)
Fans	EC
Summer by-pass damper	100% automatic
Integral humidity sensor (RH %)	0 - 100
Frost protection (optional)	Smart Frost
Controls (optional)	Digital - 4 Profiles, 100% adjustable Manual - 4 Speed controller, adjustable
Connection to BMS	Modbus / KNX optional
Mounting	Floor
Sound power level @3m (dB(A))	53
Duct diameter (mm)	250 (4 ports)
Condensate discharge (ins)	3/4 BSP
Electrical supply	230V / 1ph / 50Hz
Max. power consumption (W)	314
Filter Class	2 x G4, 1 x F7
Built-in electric post-heater (optional) (W)	3000 (2 x 1500)
Protection class	IP34
Casing insulation (mm)	50
Weight (kg)	200
Dimensions (L x D x H) (mm)	1038 x 773 x 1226-1241
Duct entry	Top Entry
Versions available	
Right Hand:	90000582
With optional electric post-heater:	90000582EPH
Left Hand:	90000583
With optional electric post-heater:	90000583EPH

DIMENSIONS



Duct outlets, Model R

Inner diameter of the female collar: 250mm

- 1.Extract air from the apartment to the unit
- 2.Supply air from the unit to the apartment
- 3.Outdoor air to the unit
- 4.Exhaust air flowing outdoors from the unit

Duct outlets, Model L

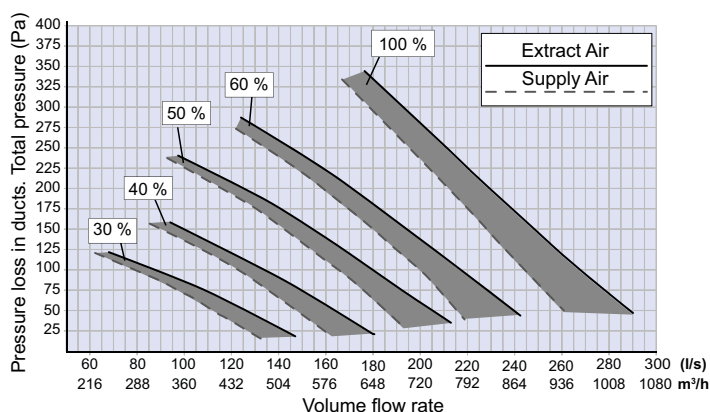
Inner diameter of the female collar: 250mm

- 1.Outdoor air to the unit
- 2.Exhaust air flowing outdoors from the unit
- 3.Extract air from the apartment to the unit
- 4.Supply air from the unit to the apartment

+ excludes motors. Motor warranty one year from date of purchase.

Model	A	B	C	D	E	F	G
DV245	1038	1226-1241	773	754	528	237	301
	H	I	J	K	L	M	
	735	158	878	1038	373	371	

PERFORMANCE



* Guidance only. Dependant upon system pressure.

ACCESSORIES

Adroit Digital Controller

Wall mounted, LCD display with four 100% independently user adjustable air flow profiles (Home, Away, Boost, Fireplace). A range of indoor parameters ie: air flow rates, temperature, humidity, by-pass, time clock settings, CO₂ sensor, filter alert are adjustable to suit your indoor environment. Internet connectivity via Adroit 'Cloud' for control at home or on the go.

Adroit Speed Controller

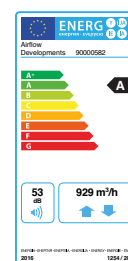
Wall mounted, four speed (independently adjustable) rotary switch air flow controller.

Visit airflow.com for Adroit controls options data sheet.

Accessory	Product Code
Adroit Digital Controller	90000610
Adroit Relative Humidity Transmitter	90000612
Adroit CO ₂ Transmitter	90000613
Adroit Speed Controller (manual)	9041219
2 x Additional 1500W Heaters for DV245 (R + L)	90000630
Filter Set (2 x G4, 1 x F7)	90000611
Boost Switch	90000542
KNX-Converter	90000723

CERTIFICATION

The DV245 Adroit meets requirements set out by the Energy Related Products (ErP) Directive 2016, achieving an A rating. You can find out more about the ErP Directive at: www.airflow.com



The DV245 was tested and has achieved Passive House Approval by the Passive House Institute when equipped with the optional Electric Post-heater.

