DV110 Adroit

Smart Ventilation

- For use in dwellings up to 170m^2 *
- 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 independant enviromental 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
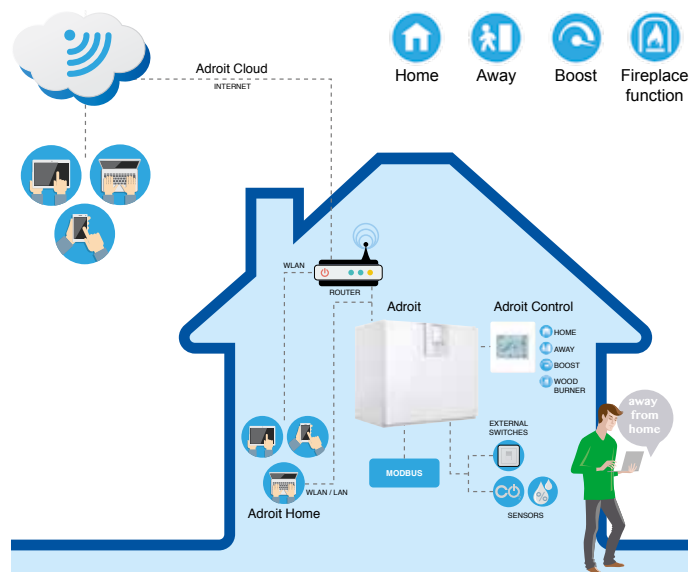- 5 year warranty+

DV110 Adroit

With its powerful air volume capacity and high thermal efficiency the DV110 Adroit is suitable for medium sized family homes. 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 DV110 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.
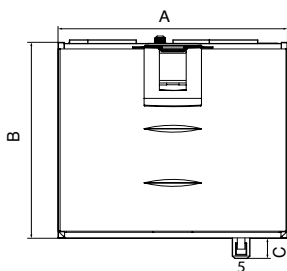
The unit includes an easily removable, plastic heat exchanger and may be equipped with a range of optional accessories for higher performance.

TECHNICAL DATA

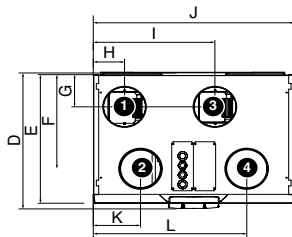| Specification	DV110
Suitable for dwellings up to m²	170
Max air flow (m³/hr) / (l/sec) at 100Pa.	370 / 103
Thermal efficiency (%)	Up to 90
Heat exchanger	Cross-Counter-Flow (Plastic)
Fans	EC
Summer by-pass damper	100% automatic
Integral humidity sensor (RH %)	0 - 100
Frost protection (optional)	Smart Frost
Controls (optional)	Digital - 4 Profiles, 100% adjustable Manual - 4 Speed controller, adjustable
Connection to BMS	Modbus / KNX optional
Mounting	Wall / Ceiling
Sound power level @3m (dB(A))	58
Duct diameter (mm)	160 (4 ports)
Condensate discharge (ins)	3/4 BSP
Electrical supply	230V / 1ph / 50Hz
Max. power consumption (W)	200
Filter Class	2 x G4, 1 x F7
Built-in electric post-heater (optional) (W)	900
Protection class	IP34
Casing insulation (mm)	20
Weight (kg)	64
Dimensions (L x D x H) (mm)	638 x 472 x 678
Duct entry	Top Entry
Versions available Right Hand: With optional electric post-heater: Left Hand: With optional electric post-heater:	 90000578 90000578EPH 90000579 90000579EPH

DIMENSIONS

Duct outlets, model R
Inner diameter of female outlet collar ø 160 mm

1. Supply air to dwelling
2. Extract air from dwelling to unit
3. Exhaust air out
4. Outdoor air to unit
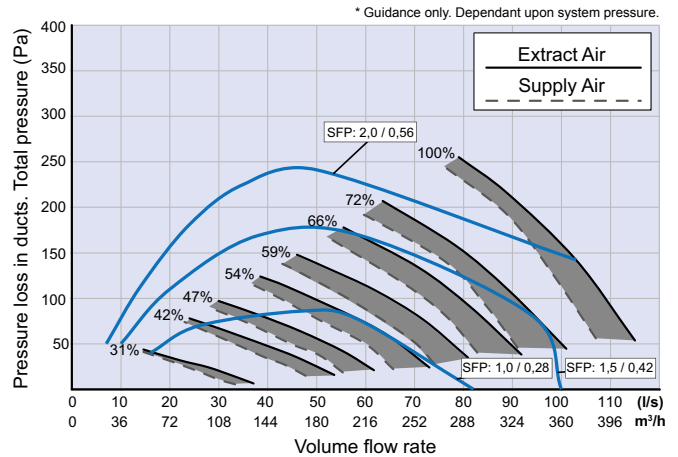5. Condensate drain

Duct outlets, model L
Inner diameter of female outlet collar ø 160 mm

1. Exhaust air out
2. Outdoor air to unit
3. Supply air to dwelling
4. Extract air from dwelling to unit
5. Condensate drain

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

Model	A	B	C	D	E	F	G	H	I	J	K	L
DV110	638	678	42	472	455	325	111	112	390	638	160	478

PERFORMANCE

* Guidance only. Dependant upon system pressure.

ACCESSORIES

Adroit Digital Controller
Wall mounted, LCD display with four 100% independatly user adjustable air flow profilws (Home, Away, boost, Fireplace).A range of indoor parameters ie: air flow rates, temperature, humidity, by-pass, time clock settings, CO_2 sensor, filter alert are adjustable to suit your indoor enviroment. Internet connectivity via Adroit 'Cloud' for control at home or on the go.
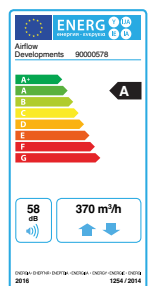
Adroit Speed Controller
Wall mounted, four speed (independatly adjustable) rotary switch air flow controller.

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	9041219
Ceiling Mounting Plate	90000717
Attic Roof Penetration Plate	90000719
Additional 900W Heater for DV110 (R)	90000616
Additional 900W Heater for DV110 (L)	90000617
Filter Set (2 x G4, 1 x F7)	90000378
Boost Switch	90000542
KNX-Converter	90000723

ErP RATING

The DV110 Adroit meets requirements set out by the Energy Related Products (ErP) Directive 2016, achieving an A rating and provides a long-term, energy efficient ventilation solution for your home. You can find out more about the ErP Directive and find the DV110 Fiche and Label at: www.airflow.com

The DV110 was tested and has achieved Passive House Approval by the Passive House Institute when equipped with the optional Electric Post-heater.

AIRFLOW®

Customer Services 01494 560800   airflow.com