

aerofresh

240 HRV

Creating
Healthier Indoor
Air Quality



The compact **Aerofresh 240** is suitable for larger apartments to smaller sized homes and can be vertically installed into a cupboard or narrow space. It features a high efficiency counter-flow heat exchanger with up to 86% efficiency.



FANTECH
Intelligent Ventilation

Quiet and Compact

The Aerofresh 240 is a compact heat recovery unit designed to transfer heat from humid air, extracted from wet rooms (such as kitchens or bathrooms) to provide maximum comfort with simple operation and high efficiency. It extracts the heat energy which would have otherwise been lost during the extract process and transfers this to the fresh, filtered supply air which is drawn in from outside.

This is done using a high efficiency counter-flow heat exchanger with up to 86% efficiency.



European Made



Heat Exchanger



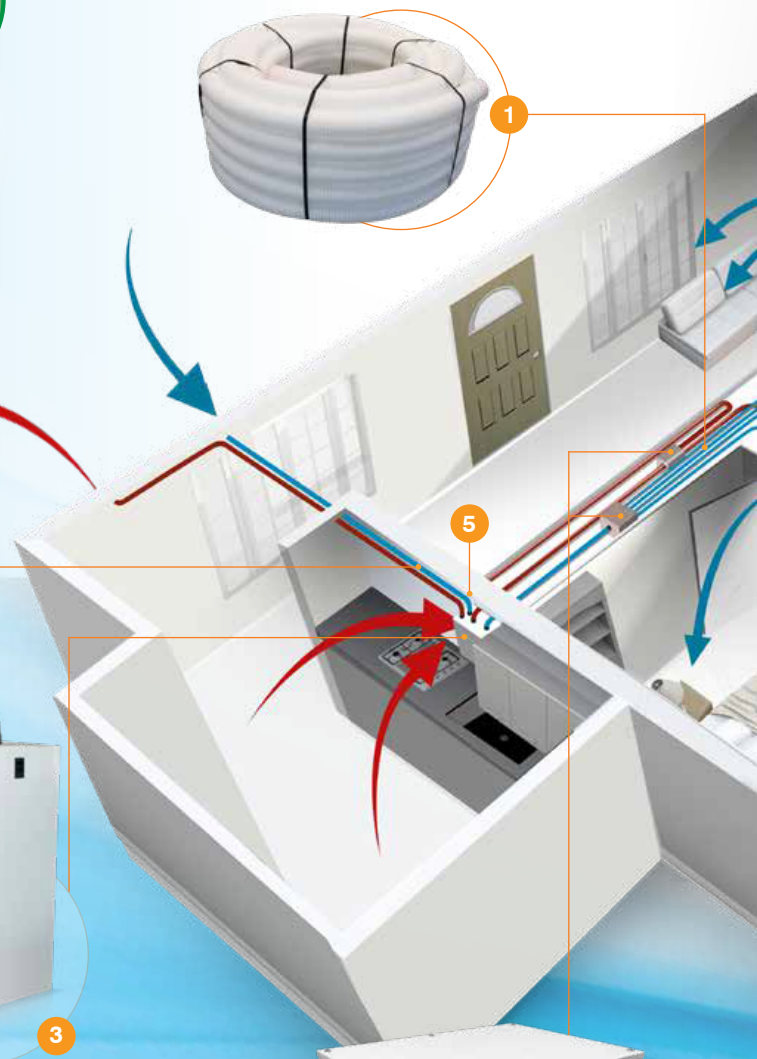
Energy Saver



Quiet Operation

Aerofresh 240 HRV System

- 1 Semi-rigid circular ducting
- 2 Insulated ducting
- 3 Aerofresh 240
- 4 Silencer/Manifold
- 5 Air extract (Grilles in white or silver)
- 6 Air inlet (Grilles in white or silver)



Features

- Designed to be vertically installed on the wall inside a cupboard or narrow space, thanks to its ultra-compact size and easy-to-fit air distribution system
- Boost function enables rapid extraction of increased moisture or pollutant levels
- Automatic bypass for free cooling during the summer season
- EC motor for increased energy efficiency and stepless speed control
- Long lasting powder coated galvanised sheet metal construction
- Can be connected to a BMS via Modbus RTU for easy system control and monitoring
- Complies with European ErP Directive, Regulations 1253/2014 – 1254/2014 (HRV performance standards)
- Accepts inputs from IAQ sensors and has outputs to drive post heating and dehumidification 3rd party products



aerofresh
240 HRV



How it works

- The Aerofresh 240 unit recovers thermal energy from air inside the building to preheat or precool the incoming fresh air
- Reduces moisture and pollutant levels to maintain a healthy indoor air quality
- Extracts the condensation to reduce mould growth risk
- Easy-to-fit air distribution system ensures each room is well ventilated
- The recovered thermal energy reduces the demand for additional heating and cooling



Aerofresh 240 Controller

Multi-function remote control panel with LCD display, supplied as standard with the Aerofresh 240.

- Suitable for surface (wall) mounting
- 4 adjustable air flow levels
- Compatible with IAQ sensors such as humidity and CO₂
- Filter replacement alert
- 7 day scheduler enables set-up of operational periods
- Bypass mode (automatic)
- Frost protection mode



Included Controller

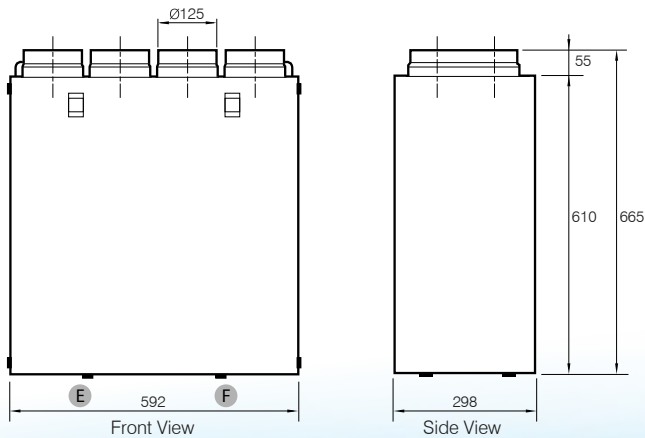
Specifications

Weight	23 kg		
Ducting	4 X 125mm spigots		
Condensate Connection	16mm (for tube connection)		
Construction	Internal body	EPP (Polypropylene)	
	Unit housing	Painted galvanised steel	
Voltage	220-240 V		
Fan motor	EC		
Filters	Extract - G4 Supply -G4		

Sound Data

Sound Levels (dBA) @ 3m				
Operating Speed	40%	60%	80%	100%
Intake	31	41	48	50
Supply	29	37	44	46
Extract	27	36	44	47
Exhaust	30	41	47	49
Breakout	27	36	45	48

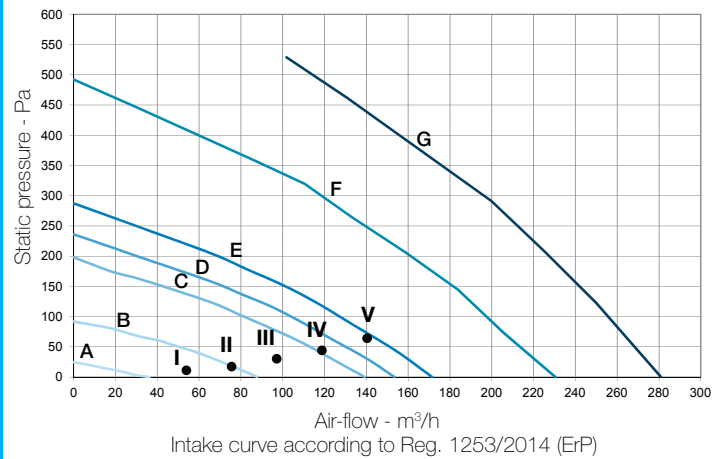
Dimensions



A	Intake air from outside
B	Exhaust air to outside
C	Supply air to inside
D	Extract air from inside
E	Winter condensation drainage
F	Summer condensation drainage

* Left orientation shown.
Can be also converted to right orientation

Performance Data



Curve	Speed %	W max	m³/h max
A (min)	23	9	36
B	30	17	88
C	46	33	139
D	60	41	153
E	77	51	172
F	92	100	230
G (max)	100	167	281

Working point	W	m³/h	SPI (W/m³/h)	ηt % ⁽¹⁾
I	11.9	54	204	85.8
II	16.5	76	183	85.5
III	23.4	97	407	84.7
IV	32.8	119	2761	83.8
V	47.7	140	3397	83

(1) Thermal efficiency of the unit

Scan the QR Code for more information



Fantech Pty. Ltd.

Victoria:	(+61 3) 9554 7845
New South Wales:	(02) 8811 0400
South Australia:	(08) 8294 0530
Northern Territory:	(08) 8947 0447
Queensland:	(07) 3299 9888
Western Australia:	(08) 9209 4999
A.C.T.	(02) 6280 5511
New Zealand:	(09) 444 6266

www.mvhr.co.nz

www.energyrecovery.com.au



For sales enquiries contact:

Specifications and design subject to change without notice.