



# AEROFRESH 240

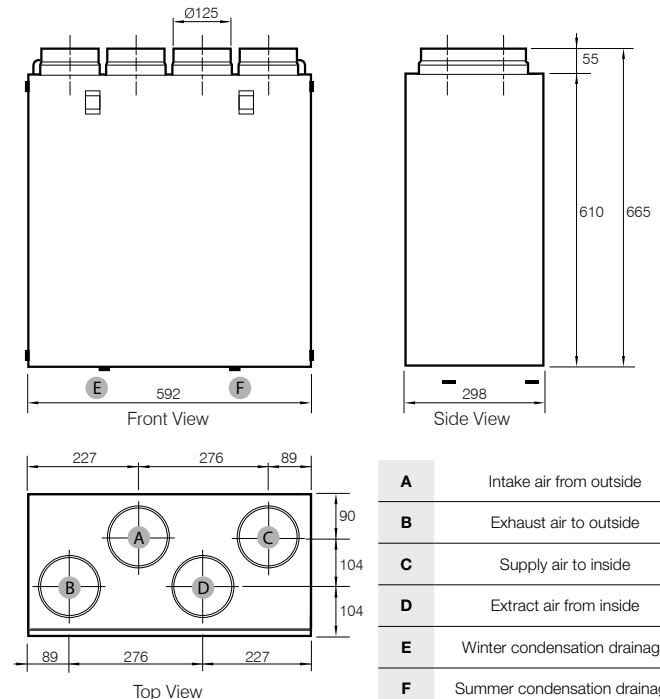
CENTRALISED ENERGY RECOVERY UNIT



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. It helps to improve comfort and indoor air quality while being highly efficient and simple to operate. It extracts the heat energy which would have otherwise been lost during the exhaust air process, and transfers this to the fresh, filtered supply air which is drawn in from outside. This is achieved by using a highly efficient counter-flow heat exchanger with up to 86% efficiency.

- 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.
- Suitable for larger apartments to smaller sized homes.
- 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.

## DIMENSIONS



All dimensions in mm

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

## UNIT SPECIFICATIONS

MODEL NO.	AEROFRESH 240	
Weight (kg)	23	
Ducting	4 X 125mm spigots	
Condensate Connection	16mm (for tube connection)	
Construction	Internal body	EPP (Polypropylene)
	Unit housing	Painted galvanised steel
Volts	220-240	
Fan motor	EC	
Filters	Extract - G4 Supply - G4	



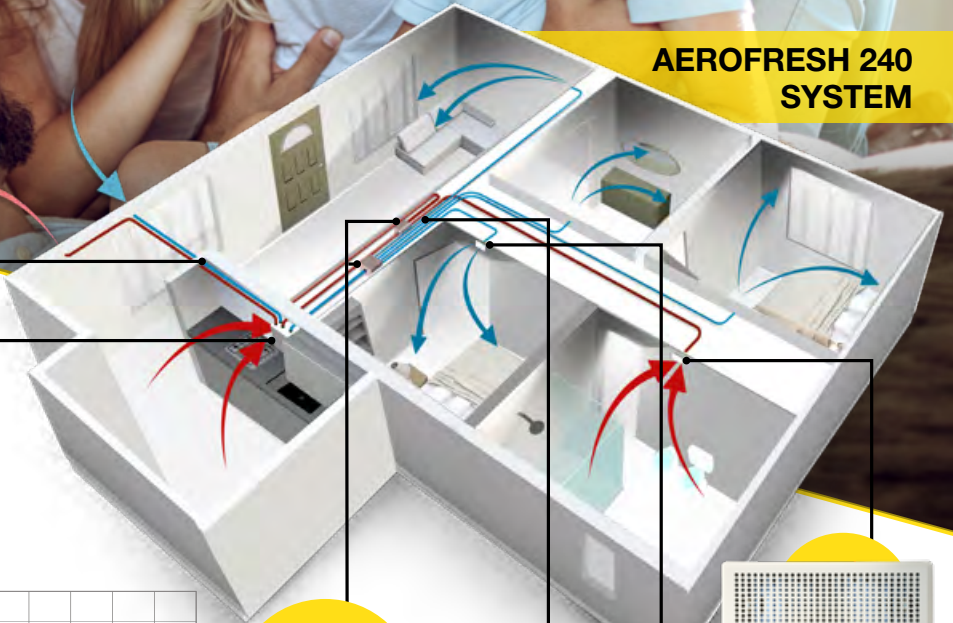
## AEROFRESH 240 SYSTEM



Insulated ducting



Aerofresh 240



Silencer/Manifold



Semi-rigid circular ducting

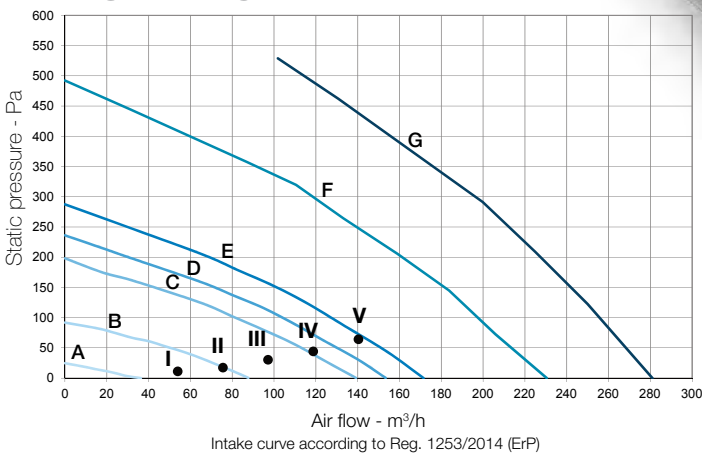


Air extract (Grilles in white or silver)



Air inlet (Grilles in white or silver)

## 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 % <sup>(1)</sup>
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

## SOUND DATA

	dB(A) @ 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

## 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 CO<sub>2</sub>.
- Filter replacement alert.
- 7 day scheduler enables set-up of operational periods.
- Bypass mode (automatic).
- Frost protection mode.



included controller