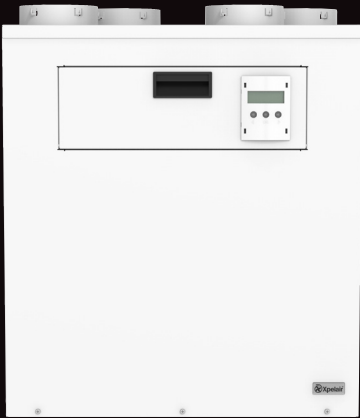


Xpelair Natural Air 180

Compact Mechanical Ventilation With Heat Recovery Unit



The Xpelair Natural Air 180 Mechanical Ventilation with Heat Recovery (MVHR) unit provides whole-house ventilation – supplying and extracting air through the entire property. Fresh air is supplied from outside the premises, while warm, stale, damp air is continuously extracted out.

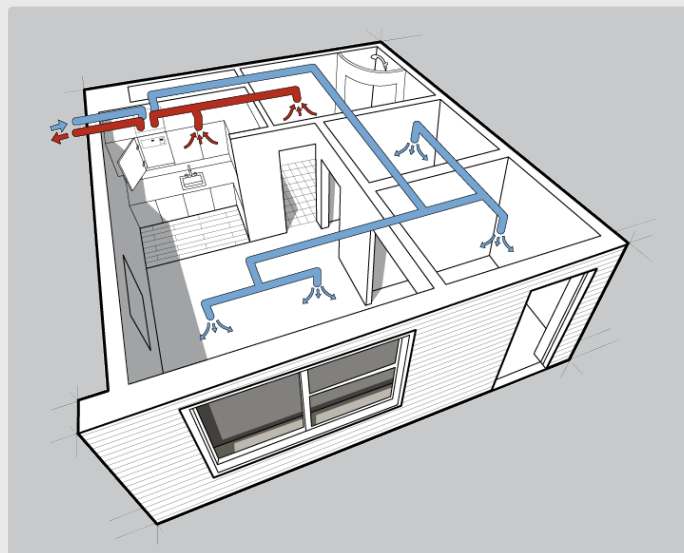
If pollutants are getting trapped inside our homes, we need an efficient method of removing them. Which is what makes the Xpelair Natural Air 180 the perfect solution. It offers efficient, balanced ventilation that produces healthy indoor air quality while saving energy with its efficient EC ball-bearing motor. Meanwhile, ultra-fine G3 filters ensure a pollutant-free environment that's literally a breath of fresh air for allergy sufferers. You'll also enjoy a comfortable temperature without annoying draughts or cold spots thanks to the unit's 100% summer bypass and winter defrost functions – so no matter what the weather's doing outside, everything will feel 'just right' inside.

Key Features

- Sound absorbing EPP construction with metal casing
- Fans are configured for optimal efficiency, with forward curved impellers and housed in robust steel
- Easy installation in 2 lightweight pieces
- Compact size of only 552mm x 609mm x 285mm (WxHxD)
- Onboard active humidistat
- Control panel located on front panel
- Filter change signal
- Easy maintenance with access to components from front
- Customisable with various controls and add-ons
- SAP Appendix Q listing pending
- 100% summer bypass and winter defrost

Product Detail

The Xpelair Natural Air 180 is designed to be centrally located in a property. The dwelling extract spigot is ducted to wet rooms such as kitchens, bathrooms and utility rooms; this air is passed over a heat exchanger and then discharged to the outside. The atmosphere intake spigot brings in fresh air from the outside, which is filtered and tempered using the recovered heat and supplied to habitable rooms such as living rooms and bedrooms. The unit runs continuously, and the active humidistat boosts the unit as required. The unit also has 3 adjustable speeds - trickle, boost and purge. On the front of the unit is a controller that can be used to pre-set the speeds to any required setting up to maximum performance.



Installation

The Xpelair Natural Air 180 has been designed for easy installation. It comes in two lightweight sections - a 9.5kg metal case and 10kg EPP structural foam body (total 19.5kg) so that the installer is only ever handling a maximum of 10kg at a time.



Kitchen Cupboard Installation



Wall Installation

System Benefits

The unit is designed to extract stale air and moisture from dwelling wet rooms and resupply habitable rooms with filtered, tempered air. When installed and commissioned correctly, homeowners will benefit from significantly improved indoor air quality and the elimination of condensation and odours.

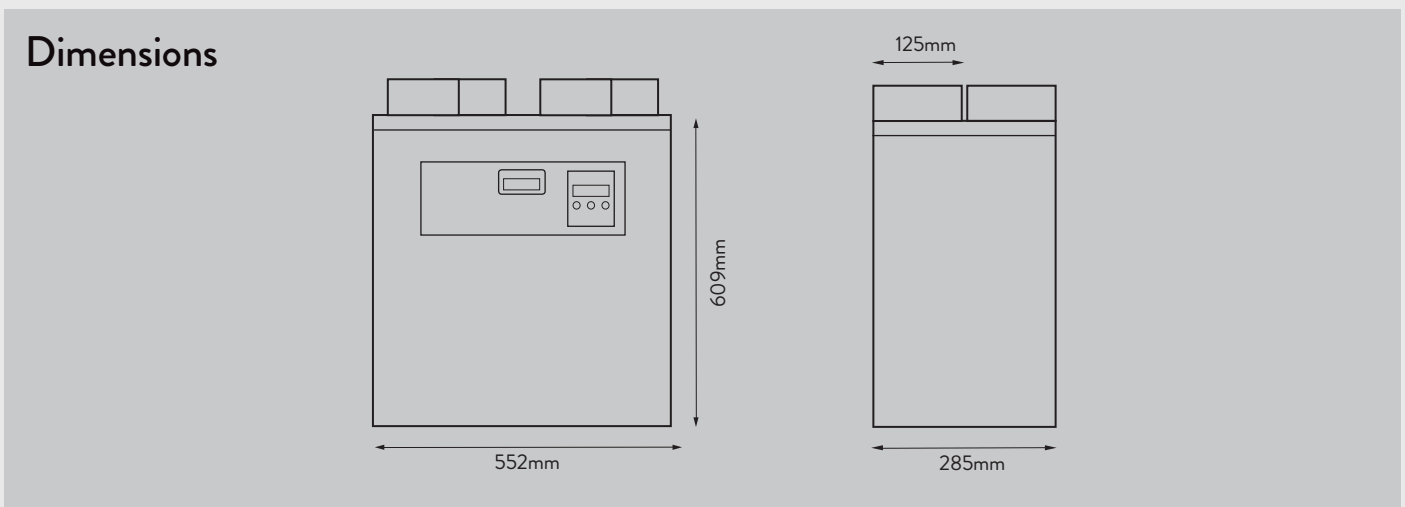
Technical Specification

	Xpelair Natural Air 180
Reference number	93256AW
Motor Type	EC
Speeds	Trickle/boost/purge
Maximum Extract Performance (FID, m ³ /h)	277
Maximum Extract Performance (m ³ /h @250Pa)	180
Maximum Extract Performance (FID, l/s)	77
Maximum Extract Performance (l/s @250Pa)	61
Minimum Electrical Efficiency (Wh/m ³ /h)	0.33
Maximum Power (W)	148
Spigot Diameter (mm)	125
Weight (kg)	19.5
UK Guarantee (years)	2

MVHR

Efficiency

Kitchen	Thermal Efficiency (%)	SAP Appendix Q Data	
		Specific Fan Power 2005 Standard (W/l/s)	Specific Fan Power 2012 Standard (W/l/s)
+1 Additional Wet Room	89	0.64	0.68
+2 Additional Wet Rooms	88	0.66	0.83
+3 Additional Wet Rooms	86	0.76	1.04



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