Kinetic

Kinetic Plus E MVHR

User Instructions

Stock Ref. N°

449059 Kinetic Plus E

Vent-Axia®

PLEASE RETAIN THESE INSTRUCTIONS WITH THE PRODUCT.

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IMPORTANT SAFETY INFORMATION

PLEASE READ THESE INSTRUCTIONS CAREFULLY BEFORE USING THE UNIT.

1. This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.

Young children should be supervised to ensure that they do not play with the appliance.

2. Do not attempt to remove the covers of this unit. High Voltage is present in this unit.

NEW PROPERTY FILTER MAINTENANCE

When fitted to a new build property the supply and exhaust filters should be checked at one month intervals for the first six months.

Disposal

This product should not be disposed of with household waste. Please recycle where facilities exist. Check with your local authority for recycling advice.

Contents

Kinetic Plus E

The Vent-Axia **Kinetic Plus E Mechanical Ventilation/Heat Recovery (MVHR)** is a heat recovery unit designed for the energy efficient ventilation of houses and similar dwellings, conforming to the latest requirements of the Building Regulations document F 2010.

The unit is designed for continuous 24 hour exhaust ventilation of stale moist air from bathrooms, toilets and kitchens. As the stale air is extracted, a heat exchanger within the unit transfers up to 94% of the heat and transfers it into the supply air entering the bedrooms and lounge.

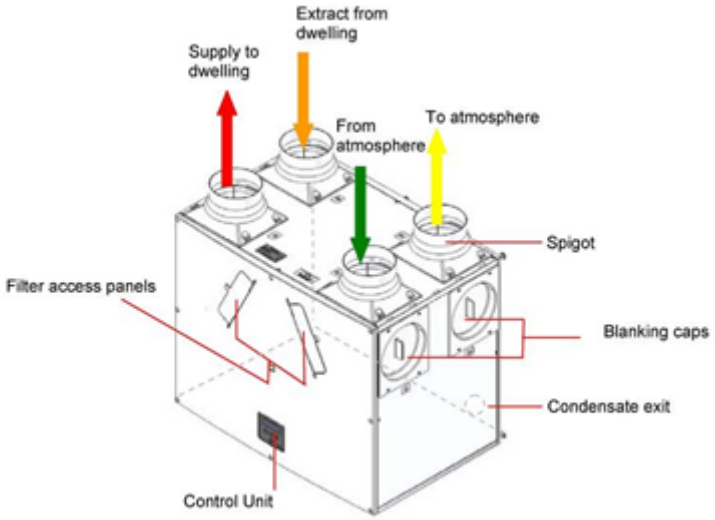


Figure 1: Kinetic Plus E (Front of Unit as supplied)

A wide range of sensors is available that can be used to switch Kinetic Plus E from normal to boost speed and they are:

- TimeSpan
- Air Quality Sensor
- Ambient Response Humidity
- Vent-Axia HumidiSwitch
- Vent-Axia ThermoSwitch
- Normal Boost Switch
- Vent Wise

Technical Data

Performance	Kinetic Plus E
Airflow	**Maximum, FID, 500 m^3/h** **Normal** factory set at minimum **Boost** factory set at minimum
Sound levels (@ 3 m)	24 dB(A) (normal), 34 dB(A) (boost)
Power	
AC Voltage Input	220-240 V AC (single phase)
AC Frequency Input	50 Hz nominal
Rated Power	190 W (max.)
Physical	
Height (excluding spigots)	630 mm
Width (excluding spigots)	775 mm
Depth	524 including filter flap hinge protrusion
Weight	24 kg
Spigot diameter	150 mm
Condensate pipe diameter	22 mm
Environmental	
IP Rating	IP22
Operating Temperature	-10°C to +45°C
Air Intake Temperature	As above
Operating Humidity	0% to 95% RH
Storage Temperature	-10°C to +45°C
Storage Humidity	0% to 95% RH

For all other technical details, please see the Product Catalogue or our website at www.vent-axia.com.

Powering Up the Unit

Switching On

1. Switch on the power at the mains supply isolator feeding the unit and the fan motors will start.

Switching Off

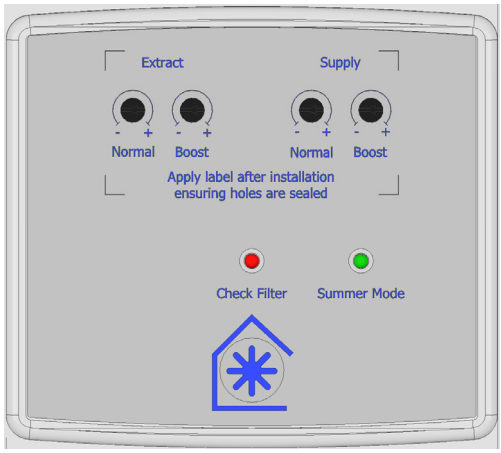
2. Turn the power off at the mains supply isolator switch.

Overview

When the Kinetic Plus E unit has been installed and commissioned it should require no further intervention in order to operate. External switches may be used to control switch from normal to boost.

Control Unit

The Control Unit is located at the front of the Kinetic Plus E unit.



Summer Mode

The unit is equipped with a “Summer Mode” for use when the indoor temperature is higher than desired and the outdoor temperature is lower than the indoor temperature. This prevents the recovery of heat from the extracted air stream by stopping the supply fan, thereby allowing the cooler outdoor air to enter the property via for example open windows or doors.

Button Operation

Button	Function
	Press once to activate Boost mode. Press once again to exit Boost mode.
	To activate Summer Mode press 3 times in less than three seconds, after a short pause the green LED will illuminate and the supply fan will stop. To exit Summer Mode press 3 times in less than three seconds, after a short pause the green LED will turn off and the supply fan will restart.
	Press and hold for more than 10 seconds to reset after cleaning or replacing filter to reset Check Filter LED.

A label will have been applied by the person setting the flow rates during the commissioning process. The label is applied to the area indicated by the printed corners, and is intended to maintain a high resistance to moisture.

The LED in the centre of the label lights after 6 months to indicate that the filters should be checked and cleaned / changed if necessary. See Maintenance section.

Caring for the Unit

Heat recovery units require regular maintenance. The Kinetic Plus E has been designed to facilitate access to enable maintenance to be carried out easily.

WARNING

THE FAN AND ANCILLARY CONTROL EQUIPMENT MUST BE ISOLATED FROM THE POWER SUPPLY DURING MAINTENANCE.

Filter Maintenance

Item	Action
Fan Filters	When the red LED comes on, this is a reminder to ensure that the filters may be dirty and blocking the airflow. The rate at which the filters become dirty will vary hugely depending on the environment and the activity within the property. 1. Open the filter flaps and remove the 2 filters. 2. Clean gently by tapping or carefully using a vacuum cleaner if necessary. 3. Replace the filters 4. Close the filter flaps. 5. Reset the LED, press and hold the ✳ buttons for 10 seconds.

Periodic Maintenance

Item	Action
Fan Filters	Change the Fan Filters. 1. Open the filter flaps and remove the 2 filters. 2. Insert the replacement filters. 3. Close the filter flaps. 4. Reset the LED, press and hold the ✳ buttons for 10 seconds.
Unit & Heat Exchanger Cell	Inspect and clean the unit 1. **Isolate the mains power supply**. 2. Open flaps and remove the 2 filters. 3. Remove front cover from the unit. 4. Slide out the heat exchanger. 5. Wash the outer cover and heat exchanger in warm water using a mild detergent (such as Milton Fluid) and dry thoroughly. **NOTE: Keep water away from all electrical components and wiring within the unit.**
Motors	Inspect the motors for build-up of dust and dirt on the impeller blades, which could cause imbalance and increased noise levels. Vacuum or clean if necessary.
Condensate Drain	Check the condensate drain tube is secure and clear of debris. Clean if necessary.
Fastenings	Check that all unit and wall-mount fastenings are sufficiently tight and have not become loose. Re-tighten if necessary.

The Vent-Axia Guarantee

Applicable only to products installed and used in the United Kingdom. For details of guarantee outside the United Kingdom contact your local supplier.

Vent-Axia guarantees its products for two years from date of purchase against faulty material or workmanship. In the event of any part being found to be defective, the product will be repaired, or at the Company's option replaced, without charge, provided that the product:-

- Has been installed and used in accordance with the instructions given with each unit.
- Has not been connected to an unsuitable electricity supply. (The correct electricity supply voltage is shown on the product rating label attached to the unit).
- Has not been subjected to misuse, neglect or damage.
- Has not been modified or repaired by any person not authorised by the company.

IF CLAIMING UNDER TERMS OF GUARANTEE

Please return the complete product, carriage paid to your original supplier or nearest Vent-Axia Centre, by post or personal visit. Please ensure that it is adequately packed and accompanied by a letter clearly marked "Guarantee Claim" stating the nature of the fault and providing evidence of date and source of purchase.

The guarantee is offered to you as an extra benefit, and does not effect your legal rights

Vent-Axia

Head Office: Fleming Way, Crawley, West Sussex, RH10 9YX.

UK NATIONAL CALL CENTRE, Newton Road, Crawley, West Sussex, RH10 9JA

SALES ENQUIRIES:	Tel: 0844 8560590	Fax: 01293 565169
TECHNICAL SUPPORT	Tel: 0844 8560594	Fax: 01293 532814

For details of the warranty and returns procedure please refer to www.vent-axia or write to Vent-Axia Ltd, Fleming Way, Crawley, RH10 9YX

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