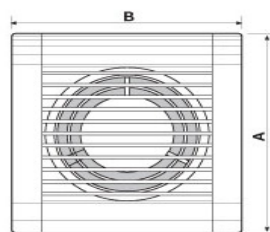


Envirowise Humidifan - Kitchen Fan HF150

Technical Data Sheet

The Humidifan series of automatic extract fans are designed for the specifier and contract user and, though competitively priced, offer many features only available on more expensive extract fans.

Three notable features are: ball bearing motor, auto reset thermal cut out and a lifetime guarantee on the sensor head.



FAN DIMENSIONS

| Casing (mm) | A | B | C | D | E |
|-------------|-------|-------|------|------|-------|
| | 230mm | 200mm | 52mm | 63mm | 148mm |

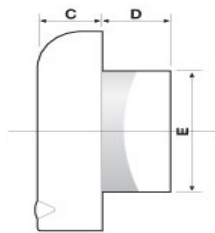
| Hole Diameters (mm) | Walls | 158 |
|---------------------|----------|-----|
| | Windows | 188 |
| | Ceilings | 158 |

FAN TECHNICAL DATA

| | |
|------------------|-------------------------------|
| Insulation | Double insulated |
| Voltage | Voltage 240 |
| Power | 28 watts |
| Extract capacity | 245 Cubic m/hr, 68 litres/sec |
| Pressure | mm H2O 5.1 |
| dB (A) | 45 |

HUMIDITY SENSOR TECHNICAL DATA

| | |
|----------------------------|---|
| Set point (at manufacture) | to activate the fan approaching 67% RH at 20°C |
| Night time setback | 1% increase in set point for every 1°C below 20°C |



Special Features

- Lifetime guarantee on the humidity sensor head
- Three year guarantee
- Ball bearing fan motor
- Integral or remote humidity sensor
- Auto reset thermal cut out fuse on fan motor
- Night time set back to inhibit fan running in the silent hours
- Silent integral mechanical back draught shutters
- Manual over-ride on switch
- Wall, window or ceiling fit
- Anticipatory response humidity sensor
- Complies with Building Regulations
- Quiet running
- Range of accessories
- Full technical back up

Operation

Under the control of a microprocessor, the sensor monitors continuously the Relative Humidity (RH) in the room. If there is a sudden rise in the RH, the sensor anticipates hitting the set point and activates the fan before it is reached. After the fan has reduced the RH to about 5% below the preset set point, the fan switches off. When the fan is running under sensor and microprocessor control the L.E.D. flashes.

The user can override the automatic monitoring by pulling the cord. In this override on mode, the red L.E.D. lights continuously. This shows the user that the fan is under manual operation. When the cord is pulled again, the sensor and microprocessor take back control of the fan.

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Construction

The Humidifan combines a stylish attractive case design with advanced electronic automatic controls. The motor is double insulated and is of the shaded pole type mounted on self-lubricating ball-bearings. The motor incorporates an overload protection device and conforms to EEC Directive 78-889 for radio interference. It will operate in ambient temperatures of up to 40°C. The fan complies to BS3456, BS800 and BS5490. The unit incorporates an electronic humidity sensor.

Installation

For best effect, the extract fan should be fitted at a minimum of 2 metres from floor level (where possible), but not closer than one metre to a major moisture producing source. The unit should not be fitted immediately above a cooker – a remote sensor should be used in this application, order code HF150/REM/W150.

Care must be taken if the fan is fitted in a room containing a fuel burning device without a balanced flue. There must be sufficient air replacement to prevent 'spillage'.

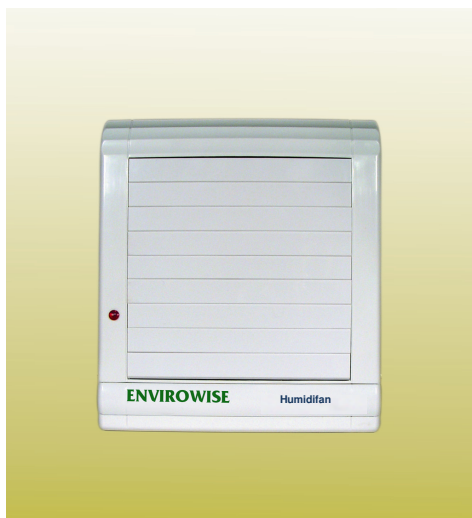
In many instances, a passive air vent, or an air brick, may need to be fitted to other cooler rooms within the property, in order to promote a good airflow throughout the dwelling.

Fitting Kits available:

WALL: Comprises wall sleeve and external grille (available in brown, terracotta, buff or white)

WINDOW: Mounting unit suitable for S/G or D/G windows. For greater efficiency we would recommend that a fan and remote sensor configuration of this model be used for this application, order code HF150/REM/G150.

CEILING: Ceiling ring available for fitting into plasterboard. 150mm dia. ducting will be required. We only recommend that this axial fan be ducted a maximum 1.5 metres. For greater distances, a centrifugal or mixed flow type unit would be more appropriate. (see Centramatic and remote sensors data sheet)



| Order Codes | |
|-------------|--|
| HF150 | Fan with intergral humidity sensor |
| HF150/REM | Kit comprising fan and separate humidity sensorr |
| W150 | Wall fixing kit |
| G150 | Window fixing kit |
| C150 | Ceiling fixing kit |