

▶ DRIMASTER 365 - POSITIVE INPUT VENTILATION (PIV)

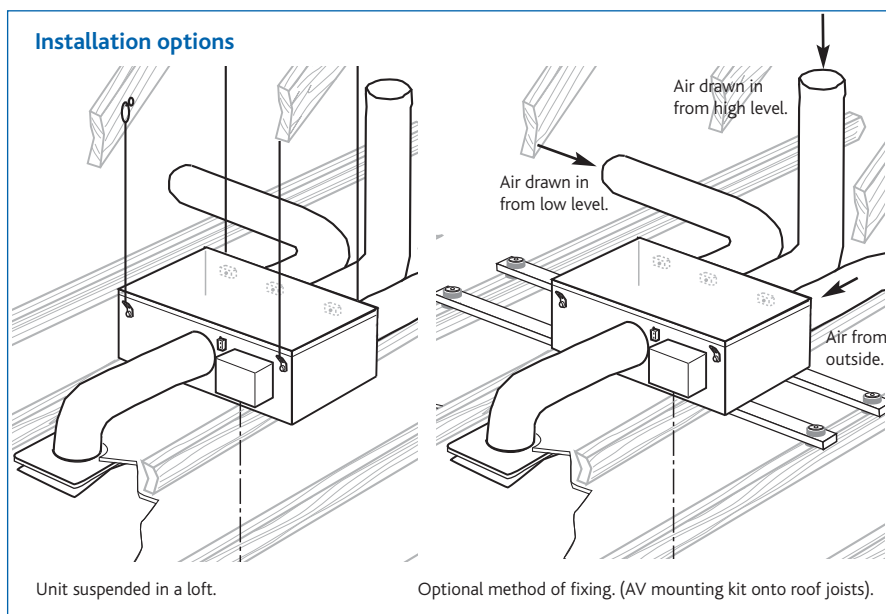


All year round intelligent whole house ventilation - warm air in winter, cool air in summer.

BENEFITS

- Will draw air in directly from outside**
 Drimaster 365 draws air from the loft or directly from outside. This allows additional cooling alongside Drimaster's heat recovery.
- Intelligent heat recovery**
 Twin sensors optimise energy efficiency, adjusting settings to provide increased comfort.
- Extremely low power consumption**
 Average approximately 0.16 watts / litre / second and solar gains up to 550kW / hr / year.
- Easy installation & very low maintenance requirement**
 (Filter clean or replacement every 5 years).
- Quiet operation**
- Significantly improves indoor air quality**
 Using positive input ventilation removes indoor air pollutants such as carbon monoxide and keeps out traffic fumes, pollen and outdoor pollutants.
- Complies with the Building Regulation Ventilation requirements**
 And contributes towards 'conservation of fuel and power'. (Please refer to BBA Certificate 00/3727 for full details).
- New Build "good practice" rating in GPG268**
- SAP 2005 listing**
- Radon gas control**
- Fire Damper and Diffuser for 3-storey accommodation available**
 The diffuser is manufactured from aluminium and powder coated to an off white finish (RAL 9003).
- Warranty**
 Drimaster 365 has a 5 year warranty.

 Note: to meet optimum design criteria contact Nuair applications team on 02920 858200.

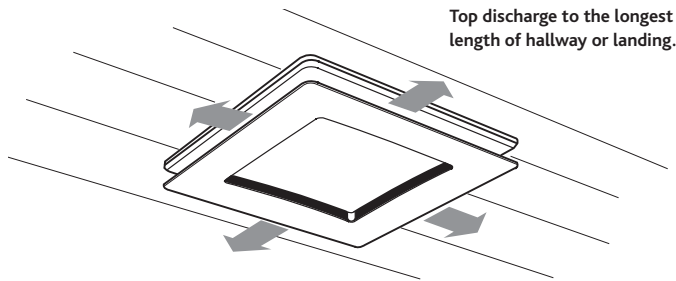


Drimaster 365

The unit is a unique Low Energy Positive Input Ventilation (LEPIV) unit. Unlike conventional LEPIV units which only draw in external air via the loft in a "cold roof", the unit is capable of drawing in external air from different roof locations via three air inlet spigots each fitted with their own low energy open/close damper.

The units airflow and the opening/closing of each air inlet damper is controlled via an integral intelligent control system that measures, and appropriately responds to, temperatures at the various air inlet locations, the home itself, the "target temperature" selected by the occupants on the user control panel provided and the delivered air temperature into the home.

Introducing fresh, filtered air into the dwelling at a continuous rate, via a 300mm square diffuser.



Top discharge to the longest length of hallway or landing.

Where there is a requirement for maintaining fire rating of the ceiling then the following alternative method of installing the diffuser using a 200mm dia. spigot available from Nuair and a "Fireblock" is recommended.

Designed to provide 1 hour of fire resistance in accordance with BS476 Part 20 (1987) and ISO 834, this circular "Fireblock" is available to fit snugly inside our standard 200mm dia. spigot. (Part No. 011740).

Wiring

The three core cable from the mains power supply should be connected to a fixed wiring installation, via a fused isolator, in accordance with current IEE wiring regulations.

Electrical details:-

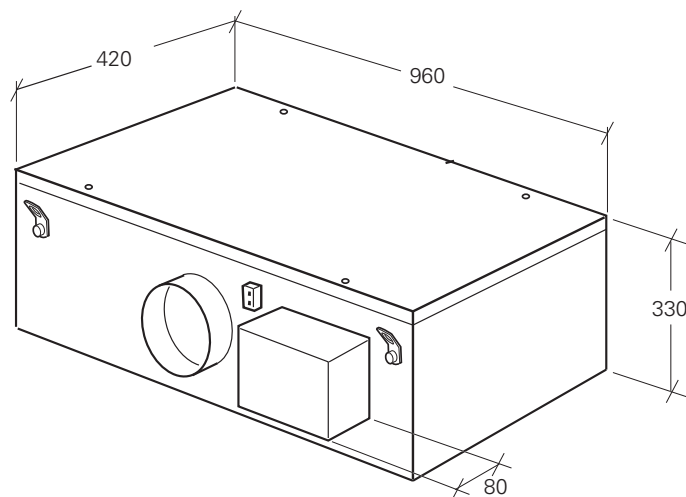
Voltage: 240V 1ph 50Hz

Consumption: 40W(max)

Fuse size: 3 Amp

Dimensions (mm) & weight Drimaster 365 unit

Weight: 20kg



DRIMASTER 365

Consultants Specification

Fan description

Nuaire Drimaster 365 ultra low energy positive input ventilation unit.

The unit casing shall be manufactured from thermally lined galvanised steel and shall incorporate 4 no. suspension eyelets to aid installation.

The casing shall have an easily removable panel to allow access for maintenance. The unit shall incorporate filters of G4 grade with an area of approximately 0.47m².

The unit shall incorporate a forward curved centrifugal impeller and high efficiency brushless DC motor fitted with sealed for life, self lubricating bearings and locked rotor protection.

The unit shall incorporate 3 n. air inlet spigots, each with an integral damper, to allow air to be drawn into the unit from any two or three positions within the roof space.

The unit shall be supplied with a purpose designed polymer diffuser for efficient, directable air input using side blanking pieces supplied. The diffuser design shall minimise the accumulation of any condensate run off that may occur in the event of power to the unit being switched off. The diffuser shall have been independently assessed for behaviour in relation to fire and adjacent smoke detectors.

The ducting between the unit and the diffuser and the various roof inlet positions shall be supplied by the installer. Any materials required to create a plenum or plenums under a tiled or slated roof shall also be supplied by the installer.

The unit shall be supplied with all the necessary temperature sensors and interconnecting cables. The unit shall incorporate 6 volume control settings for maximum flexibility and occupant comfort.

The unit shall be supplied with a user control panel and interconnecting cable. The user control shall allow selection of: on/off, auto/boost and target temperature. The control shall also provide unit/filter status indication.

An internal monitor shall record the unit's operational time.

The unit shall be offered with a 5 year warranty.

For information on reducing radon egress, it is suggested that the details given in Positive pressurisation: a guide to radon remedial measures in existing dwellings may be considered.