

Unity

Continuously running bathroom/ kitchen fan

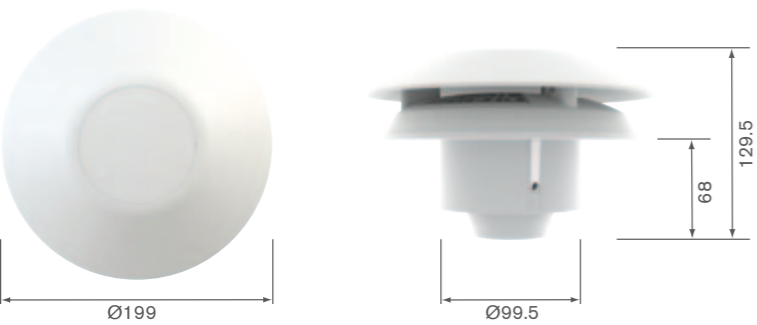


For more information about: GIP, Guaranteed Installed Performance see page 16 and SMART Technology see page 18

Physical specification

All measurements in millimetres

Weight: 1kg
Materials: White satin finish
ABS plastic manufacture



Front

Side

Features and benefits

Unity is the latest in extract fan technology, designed to please landlords and tenants alike offering the lowest energy consumption, running costs and installed noise performance.

A whole lot SMARTer
Incorporating new SMART Technology including a new and revolutionary way of automatic humidity sensing, and a logical approach to overrun timing – Unity helps to reduce heat loss, energy wastage and unnecessary pennies on energy bills when compared against typical alternatives! Read more about the specifics on pages 20 & 21.

The most efficient energy usage – top of SAP Appendix Q
With as little as 1.1 watt of energy used when operating, Unity is the best performing continuously running fan in the UK* for energy performance resulting in the best reduction in Dwelling Emission Rates in SAP calculations (System 3).

One of the quietest installed running noise
As low as 10dB in trickle mode once installed – therefore offering very quiet ventilation and no nuisance running for occupants.

One of the lowest running costs
Equivalent to just over the cost of two cans of branded baked beans for the entire year.

Guaranteed Installed Performance
With varying insulation improvements, occupancy, and lifestyle, ventilation plays a crucial part of a comfortable life indoors. Unity has a unique 100% adjustable airflow feature which can be tailored to ensure that the fan is doing what it needs to be doing for Regulations and for the home.

Fuss-free installation
With a SMART touch-pad located at the front of the fan, installers will have no problems correctly setting up airflow performance and controls – as little as two buttons, and no fiddly switches often located at the back of the fan.

Discreet
Once installed Unity blends discreetly with the background and is considerably smaller than other comparable 'one fan' applications available in the UK.

From inside to out
Low energy EC motor, 9 registered design and patents, and mixed flow backward curved impellers for best protection against clogging. Installation can be in wall and ceiling.

Did you know...

Product fact
Unity is the best performing continuously running fan in the UK – offering you the lowest running costs for the whole year*!

Energy saving fact
One of the easiest ways you can be more energy efficient is to keep an eye on what you're using, and target the appliances using the most energy. SMART Meters cost between £50–£100 but will more than pay for themselves over the course of the year in energy savings*!

Cost comparison
A leading brand games console costs £38.75 per year to run based on 2 hours usage a day. This is equivalent to running

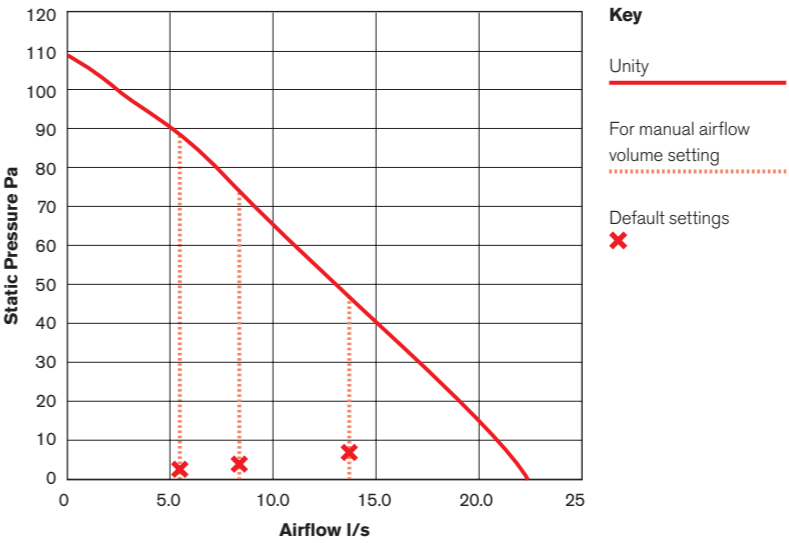
26 Unity fans
24 hours per day for the whole year!

Models and control options

Model	Control operation	IP	Voltage
CV2GIP	One fan fits all continuously running fan with automatic Greenwood HumidiSMART™ sensing and Greenwood TimerSMART™ overrun options set up at installation	24	220–240

Performance

Unity	Airflow performance (l/s)		Sound pressure level @ 3m dB(A)	Energy consumption (W)	
	Bathroom (default)	Kitchen (default)		Minimum	Maximum
Trickle speed	5	8	10.1	1.1	4.1
Boost speed	8	13	23.5		
Maximum speed	23	23	-		



The Touch-Pad
The innovative touch-pad is used to help improve ease of set up and commissioning onsite. All of the relevant set up features are located in one place which is easy to access after the fan has been wired and installed in with the wall or ceiling.



Fuss-free installation
Unity has been designed to offer fuss-free installation including a self locating 'twist-lock' front fascia and 'stay open' internal hinge that means no need to hold or put down screws and covers, keeping everything in easy reach, especially in the ceiling.

Ancillaries

SP13 PVC round pipe 100mm Ø x 350mm (page 110)

EG1 Complementary fixed blade louvred grille in semi-matt ABS plastic, UV stabilised. Choice of white or brown grille (page 120)

GD4 / GD8 Modular lightweight PVC ducting system (page 108)

PFACV2 Picture frame adaptor / decorative cover for Unity (page 116)

GG42 External louvred wall vent available in white or brown (page 109)

Flexiduct Flexible 100mm PVC and aluminium ducting (page 114)

FF100 Fast fix wall duct system. Comprises 100mm PVC duct, external wall duct seal and external grille, choice of white or brown grille (page 106)

Installation

Wiring: Must comply with IEE Regulations
Cable: 1mm² Ø max
Fuse: 3 amp normally required (when fan is supplied from a 6A lighting circuit no local fuse is required)

Electrical specification: 220–240V~50Hz Class II
Consumption: Min 1.1W
Max 4.1W

* Based on SAP Appendix Q results for dMEV ventilation fans www.sap-appendixq.org.uk (June 2011)
† Information from Energy Saving Trust and energysavingadvice.co.uk