

Omnique

The only fan you'll ever need



- ✓ Basic
- ✓ Continuous
- ✓ Humidistat
- ✓ Timer
- ✓ Pull Cord
- ✓ SELV

Saving Energy...

Energy efficiency within all areas of housing stock is a cornerstone of Government policy. This policy has led to an increasing number of demands being placed on housing providers and their housing stock to meet a variety of targets.

One of these targets has been to preserve energy and increase the thermal efficiency of buildings, measures which have created homes with increased levels of comfort and energy efficiency and also added to the airtightness of properties.

More than ever these airtight homes now require the correct ventilation strategy so that the apparently conflicting demands of:

1. Energy and heat conservation – ensuring a home is at a comfortable temperature
2. Efficient extraction of indoor pollutants – ensuring a healthy indoor environment for the building and its occupants

are met.

Omniq has been designed to answer these requirements by ensuring that whatever mode the unit is set to, it will run at the exact rate required to provide effective and efficient ventilation. Following this, when the unit is not in use, it shuts tight to prevent draughts or heat loss preserving both occupant comfort and energy.

Omniq

Saving Time...

In addition to energy, time is an increasingly scarce resource – one which should be preserved. With this in mind Greenwood Airvac have created a unique fan, one which can provide 6 methods of ventilation;

- **Basic**
- **Pull Cord**
- **Timer**
- **Humidistat**
- **SELV**
- **Continuous Running**



from just one unit.

Omnique is unique. A fan which is totally flexible and multifunctional.

This flexibility allows the greatest amount of time to be saved - it is simple to install in whatever mode of ventilation is required, simple to commission and simply the only true multifunction fan available today.

This means that whatever the ventilation requirement, a job can be inspected and the product installed in one single visit.

No return journeys, no fuss, no problem!

omnique

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Fuel Poverty

24% (5.7 million)* of all households in the UK spend more than 10% of their household income on heating their home to a comfortable level. Increasing fuel costs has seen this figure gradually increase.

Consequently, it is important that all elements of a building contribute to fuel conservation and Omnique does this.



Omnique addresses fuel poverty in the following ways;

Prevents heat loss

The unique patented shutter closes tight, preventing heat loss and saving money when not in use.

Even when it's running, the shutter only opens just enough to allow the precise extraction rate required for the room, ensuring heat is not wasted through over ventilation.

Prevents wastage of energy

Extraction airflow is 100% adjustable allowing the correct ventilation rate to be achieved.

Minimal energy usage

Omnique's low energy motor requires minimal energy to operate – continuous mode uses less than £0.005p per day to run – yes, less than half a penny per day!

Automatic adjustment

Incorporating Greenwood HumidiSMART™ & Greenwood TimerSMART™ technology, Omnique only operates when it is needed, saving money & energy, working discreetly and automatically without interfering with the tenants' lifestyle.

Cost Management

In social housing, there are now 30 year plans in place for business and asset management. The Government objective is to increase planned maintenance over response maintenance and social landlords are now developing these plans in order to save money in the long term.



Omnique has been designed to allow social housing providers to accurately forecast costs;

Cost assurance

Omnique has been designed to be maintained over extended periods of time allowing low lifetime running cost.

Minimal installation costs

Because Omnique is a 6 – in – 1 unit - a truly multifunctional fan, when visiting a property for repair or new installation, with just this fan, a site can be inspected and the installation completed in one visit reducing contractor costs and increasing time efficiencies.

Reduces cost of change to property use

Once installed, Omnique remains flexible and multifunctional. If a property has a change of tenant or occupant lifestyle, and a different ventilation mode is required, the flow rates or mode of ventilation can be changed (i.e. from intermittent ventilation to continuous ventilation) without replacing the unit. This allows the fan to fit the changing needs of the property. This can all be done by a competent person, removing the need to pay a contractor to do it!

Reduced maintenance costs

Fully replaceable components can be used to service the fan, rather than a complete replacement.

Carbon Reduction & Waste Disposal

It is a widely known objective of Government to reduce the UK's carbon emissions and cut down the use of landfill sites. During the development of Omnique, carbon emission reduction was considered and this has resulted in a number of unique ways to assist in this important area. Additionally, we took into consideration the product at the end of its working life, not only to reduce the use of landfill but also by utilising recyclable components.



Carbon reduction

Through the unique multifunctional design, Omnique allows a site to be inspected and an installation made with just one visit. This reduces time spent on site and helps in reducing carbon emissions through repeat journeys to properties.

Carbon neutral product

Omnique is part of our Carbon Neutrality Scheme and carries the Greenwood CarbonSMART™ stamp. This means that carbon emissions made during the manufacture and distribution of Omnique are calculated and costs are paid to a carbon management company who use the funds to support carbon reduction schemes around the globe.

Low energy usage

Even running continuously, the fan only costs £1.50 per year to run, that's less than half a penny per day and really low energy use!

Reducing Landfill

Omnique has a fully replaceable motor allowing it to be serviced and maintained rather than a complete replacement made.

Additionally, Greenwood offer a unique scheme, which prevents old or replacement fans from going to landfill. This means that for any new fan installed, the existing fan is removed and we will organise for it to be recycled avoiding it going to landfill.

Indoor Air Quality / Building Protection

Condensation and mould are not new phenomena – they have been issues in housing for years and the need to safeguard against them has not diminished. In fact the increased focus on reducing air leakage around our homes means that ventilation is needed more than ever.



Omnique is a powerful, fully flexible and unique fan which can be tailored to meet individual tenant or building requirements;

Whether ventilation is required for a kitchen or bathroom, flat or house, whether a room requires, basic, pull cord, timer, humidistat, SELV or continuous running operation, Omnique provides best practice and is a regulation compliant product to cater for all your needs – all from one fan.

Loaded with patented Greenwood HumidiSMART™ and Greenwood TimerSMART™ functions, Omnique provides automatic environmental monitoring continually protecting the building without the need for tenant intervention.

Omnique has been designed to work automatically at the optimum required level, protecting the building fabric and ensuring good indoor air quality is maintained for the tenants. And all this, can be done quietly when running – down to 7dBa on continuous mode!

Technical Details

Intermittent

Fan Setting	Airflow (l/s)	Energy Consumption (W)	
		Min	Max
WC	6.0	1.1	30.0
Bathroom	15.0		
Utility room	30.0		
Kitchen	61.7		

Continuous

Fan Setting	Airflow (l/s)		Energy Consumption (W)	
	Bathroom	Kitchen	Min	Max
Trickle	6.0	8.5	1.1	30.0
Boost	8.5	13.0		

Sound Pressure dB(A) @ 3.0m = Min 7.0 dB(A) Max 52.5 dB(A)

Physical Specification and Installation:

Wiring	Must comply with IEE Regulations
Fuse	3 amp normally required (when fan is supplied from a 6A lighting circuit no local fuse is required)
Finish	Satin Finish
Material	ABS
Electrical Specification	220-240V - 50Hz Class II
Consumption	Min 1.1 W - Max 30 W

Ancillaries

EWOF100	Window fixing kit (4-28mm glazing). Comprises external louvered grille & adaptor and internal adaptor.
PFAOF100	Picture frame adaptor for Omnique
SP13	PVC round pipe 100mm x 350mm
EG1	Complementary fixed blade louvered grille in semi-matt ABS Plastic, UV stabilised. Choice of white or brown grille.
FF100	Fast fix wall duct system. Comprises 100mm PVC duct, external wall duct seal and external grille, choice of white or brown grille.
GD4	Modular lightweight PVC ducting system
GD8	Modular lightweight PVC ducting system
GG42	External louvered wall vent available in white or brown
Flexiduct	Flexible 100mm PVC and aluminium ducting

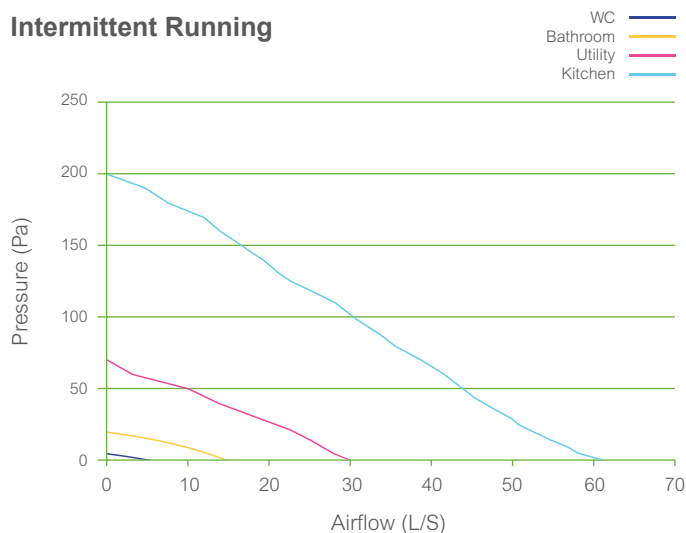
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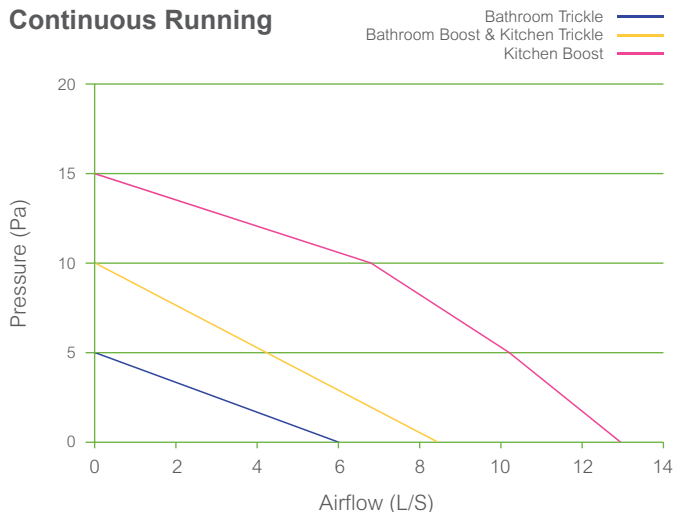
Patents registered:
1018932.2, 1121208.1, 1121206.5

Performance Graphs

Intermittent Running



Continuous Running



For Installations where high back pressure occurs (e.g. long duct runs & roof terminations), default settings can be adjusted to deliver required airflow rates.

Running Costs

Two cans of branded baked beans
Total cost of 2 cans £1.50



Equivalent to 1 Omnique*

A 9Kw electric shower running for 10 mins per day costs £80.73 pa**



Equivalent to 54 Omnique's*

*running in continuous mode 24 hours a day, 365 days a year

**based on electricity cost of 12.6p per unit.

Greenwood Air Management,
A Zehnder Group Company
www.zehnder.co.uk