



# Omnique

*The only fan you'll ever need*



# Omnique

*The only fan you'll ever need*



**We are in the business of helping save 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 is to improve the thermal efficiency of houses which in turn has led to increased levels of comfort for the occupant and the **airtight home dilemma**;

**Energy and heat conservation V's Efficient extraction of indoor pollutants**

Omnique has been designed specifically with efficiency in mind. By ensuring it does not over-ventilate and completely seals when not in use it is by far the best choice for preventing heat loss whilst preserving occupant comfort and energy.



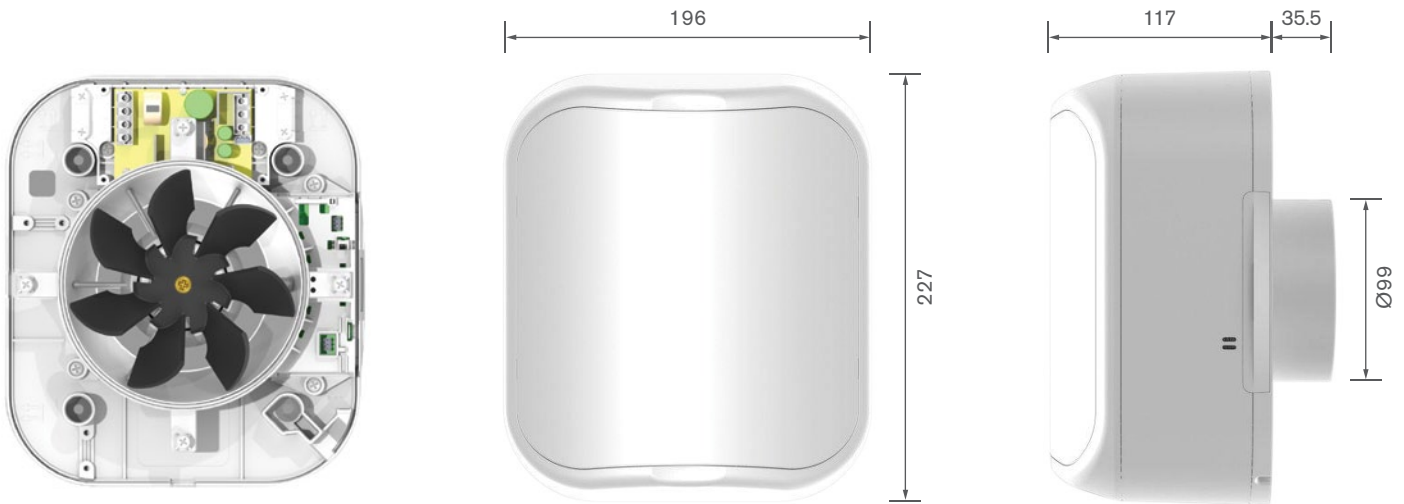
## did you know?

By utilising **Greenwood HumidiSMART™** Omnique only operates to boost via man-made humidity because it is constantly measuring humidity levels in the room it is installed in (and not based on a generic setting).

**This contributes to saving money, energy & requires no tenant intervention.**

**SMART Technology** The SMARTest ventilation in the UK for the installer, the homeowner and the environment





## Physical specification

All measurements in millimetres

**Weight:** 1.4kg  
**Materials:** White gloss finish,  
 ABS plastic manufacture

**We are also in the business of saving time.** A scarce resource that should be preserved, we have created a unique fan, one which can be applied to each and every application in a home from one single unit – the only fan of its kind.

**Omnique is unique. A fan that is totally flexible and multifunctional. Whether planned or responsive maintenance, a job can be inspected and installed in one single visit. No return journeys, no fuss, no problem!**

# 6

**functions from just one product**

- ✓ **Intermittent**
- ✓ **Continuous**
- ✓ **Pull Cord**
- ✓ **Timer**  
Greenwood  
TimerSMART™
- ✓ **Humidistat**  
Greenwood  
HumidiSMART™
- ✓ **SELV**

## Your essential product summary...

# 4

**facts you should know about Omnique**

### Lowest annual running costs

Omnique costs less than a penny a day to run for the whole year\*. This is equivalent to two cans of branded baked beans for the entire year.

### Helps reduce heat loss

In intermittent mode, Omnique is 100% closed when off – reducing any paths for heat to escape from the property and contributing to fuel conservation for the occupant.

### Safe and secure

For window applications, Omnique's dual-layered vandal proof installation kit has been designed in conjunction with social landlords and those responsible for advising on secure designs in housing.

### Energy efficient

Omnique's design lends itself to reduce carbon emissions in several ways – it's the most compact product of its type, it uses as little as 1.1 watts when running and its internal components can easily be replaced instead of the whole fan – saving old ones going to landfill!

\* Based on continuous running bathroom mode

## Free Fan Recycling Scheme

A FREE service when you specify and buy Greenwood Airvac fans

FREE  
SERVICE

For any new Greenwood fan installed, the existing fan is removed and we will organise for it to be 100% recycled.

As part of our on-going commitment to reducing the impact electrical products have on our environment at the end of their lifecycle we are offering this unique recycling scheme.

The best bit is it is completely **FREE!**



## The one and only

**Omnique provides the solution to the four key issues facing today's social housing landlords...**

### 1 Fuel poverty

**Problem:**

24% (5.7 million)\* of all UK households spend more than 10% of their household income on heating their home to a comfortable level. We understand that all elements of a building contribute to fuel conservation including ventilation.

**Solution:**

**Omnique has been designed to keep tenants, landlords and homes happy;**

**Prevents heat loss** The unique patented shutter seals the fan shut when it is not in use (intermittent mode) and even when it's running it is only open enough for the precise extraction rate for the room.

**Uses just 1.1 watt of energy** Omnique's low energy motor requires the most minimal energy to operate – less than £0.005 per day to run for the entire year!

**SMART control – no over ventilation**

With 100% adjustable airflow the correct rate of ventilation can always be achieved.

Omnique also incorporates Greenwood HumidiSMART™ and Greenwood TimerSMART™ technology that eliminates nuisance running and helps reduce annual running costs even further.

### 2 Carbon reduction and waste disposal

**Problem:**

It is a widely known objective of Government to reduce the UK's carbon emissions and cut down the use of landfill sites. Consideration must be given to the product at the end of its working life, not only to reduce the use of landfill but also by utilising its recyclable components.

**Solution:**

**During the development of Omnique, carbon emission reduction and recyclable components were considered and this has resulted in a number of unique design benefits;**

**Reducing landfill and extending a whole life to a next life** Omnique has a fully replaceable motor allowing it to be serviced and maintained during its lifecycle rather than a whole replacement. With our free recycling scheme we can also ensure all of the old components are 100% recycled and tell you what they might become in their next life!

**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 onsite and helps in reducing carbon emissions through repeat journeys to properties.

**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!

\* Information sourced from BBC News – 2<sup>nd</sup> December 2011

**IPX4 RATED**

**COMPLIES TO:  
LOW VOLTAGE DIRECTIVE  
EMC COMPATIBILITY DIRECTIVE**

**5 YEAR GUARANTEE**

**CE MARKED**

**UKAS ACCREDITATION** INDEPENDENTLY ACCREDITED TEST INFORMATION



## Cost comparison

**With affordability and carbon reduction top of the agenda Omnique's energy efficiency and low running costs tick all the boxes.**

**Leading brand games console** costs £38.75\*\* per year to run based on 2 hours usage per day. This is equivalent to the cost of running

**29** Omnique fans per annum †

**A 9Kw electric shower** costs £80.73\*\* per year to run based on 10 minutes usage per day. This is equivalent to the cost of running

**54** Omnique fans per annum †

## 3 Cost management

### Problem:

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.

### Solution:

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

**Maintain – Replace – Recycle** With a 5 year guarantee, Omnique has been designed with long-term sustainability in mind. Components can be replaced during maintenance intervals rather than an entire fan replacement each time helping plan ventilation spend for the long-term.

**One fan specification** Omnique is a 6-in-1 unit and can be applied to all types of dwelling and applications. For responsive and planned maintenance, landlords and contractors can be safe in the knowledge that it will take just one visit and comply each time therefore helping reduce contractor costs and increase efficiencies.

### Reduces cost of change to property use

With total flexibility, Omnique can be adjusted once it has been installed via the Greenwood CommissionSMART™ touchpad. If a property has a change of tenant or poor indoor air quality, airflow rates can be increased or decreased easily by a competent person to further reduce costs.

## 4 Health, safety and security

### Problem:

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.

### Solution:

**Omnique is a powerful, fully flexible and unique fan and once installed offers 100% peace of mind for landlords and total satisfaction for tenants;**

**Regulation compliant** In every room, Omnique will comply as best practise – all from just one fan.

**Window safety** Omnique's window kit has been designed in conjunction with social housing providers and advisors on secure designs in housing. Today it is one of the most robust solutions for a safe installation in windows.

**SMART ventilation** With the sole aim of making ventilation work SMARTer for the landlord, tenant, and environment both Greenwood HumidiSMART™ and Greenwood TimerSMART™ will deliver effective ventilation for a comfortable life indoors.

**No nuisance noise** Omnique runs continuously at a level of 7dB(A), one of the quietest fans on the market.



## Greenwood HumidiSMART™



**Omnique's design incorporates Greenwood SMART Technology including Greenwood HumidiSMART™ – the newest and most revolutionary way of using humidity levels to control ventilation in domestic properties all year round.**

### How it works?

Traditional humidity sensing uses a generic threshold that once crossed activates the fan into boost mode; e.g. 65% relative humidity.

Greenwood HumidiSMART™ monitors the humidity throughout the day and calculates what is the 'normal' ambient level e.g. on a particularly hot summer day, the 'normal' level may well be higher than on a cooler spring day.

It is that 'normal' level that is used then to determine when the fan needs to boost. The sensor looks for a **rapid increase** from the normal level which indicates a man-made, high humidity and moisture generating activity is occurring e.g. cooking or showering.

### Why is it SMARTer?

With fluctuations in geographical humidity levels and those that naturally occur throughout the day or seasons, a generic setting may spur the fan into boost when it is not necessarily needed. This can lead to unnecessary over-ventilation, heat loss and energy consumption.

Using the installed environment with Greenwood HumidiSMART™ technology means the fan will always protect the dwelling against detrimentally high levels of humidity whilst helping to **reduce nuisance running and annual running costs.**

\*\* Based on electricity cost of 12.6p per unit (www.edf.co.uk)

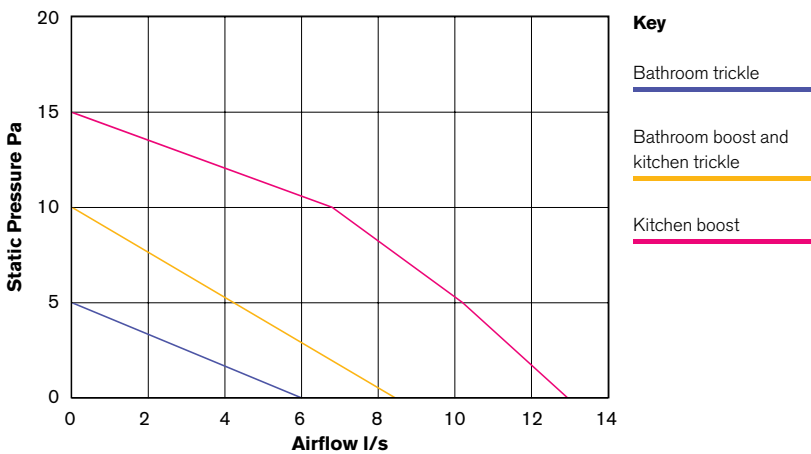
† Running on continuous mode 24 hours a day, 365 days a year

## Performance

### Continuous running

Speed setting	Airflow performance (l/s)		Sound pressure level @ 3m dB(A)	Energy consumption (W)	
	Bathroom (default)	Kitchen (default)		Minimum	Maximum
Trickle speed	6	8.5	7	1.1	3
Boost speed	8.5	13	19		

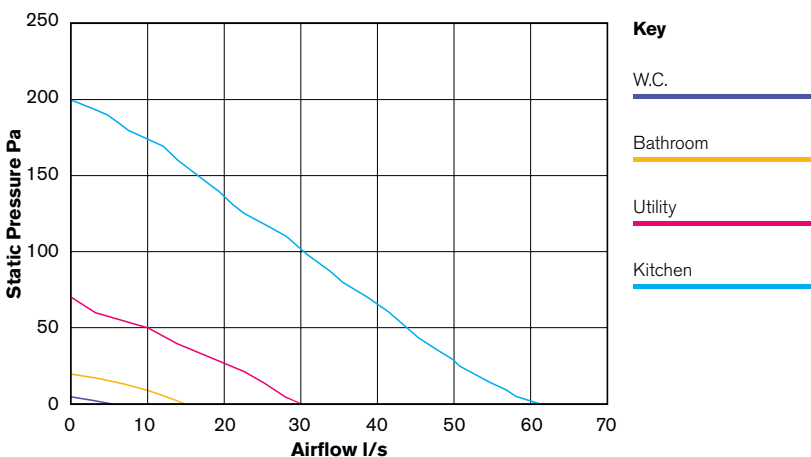
### OmniQue is IPX4 Rated



### Intermittent running

Room	Airflow performance (l/s)	Sound pressure level @ 3m dB(A)	Energy consumption (W)	
			Minimum	Maximum
W.C.	6	7		
Bathroom	15	31	1.1	26.5
Utility room	30	45		
Kitchen	61.7	52		

### OmniQue is IPX4 Rated



© Copyright Greenwood Air Management Ltd 2012

All information believed to be correct at the time of going to press. E&OE. All goods are sold according to Greenwood Air Management Ltd's Standard Conditions of Sale (available on request). All dimensions are in millimetres unless otherwise shown. Greenwood Air Management Ltd reserves the right to change specifications and prices without prior notice.

**Greenwood Air Management Ltd**  
Registered Office: Greenwood House,  
Brookside Avenue, Rustington,  
West Sussex BN16 3LF  
Registered in England No. 2479072

**Phone** 01903 771021  
**Fax** 01903 782398  
**Email** info@greenwood.co.uk  
**Web** www.greenwood.co.uk

**Greenwood Air Management**  
is a Zehnder Group Company  
www.zehnder.co.uk

## Installation

- Wiring:** Must comply with IEE Regulations
- Cable:** 1mm<sup>2</sup> Ø max
- Fuse:** 3 amp normally required (when fan is supplied from a 6A lighting circuit no local fuse is required)
- Exhaust:** Ø 100mm
- Electrical specification:** 220–240V~50Hz Class II
- Consumption:** Min 1.1W Max 30W
- Glazing:** Suitable for 4–28mm  
Glazing hole 118mm
- Application:** Wall / Window / Ceiling

## Right, all that's left to sort out is your ancillaries...

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

OmniQue order code: **OF100GIP**

Patents registered:  
1018932.2, 1121208.1, 1121206.5

