A close-up, high-angle photograph of a white, circular ventilation fan. The fan's blades are arranged in a spiral pattern, creating a sense of depth and movement. The lighting is soft, highlighting the smooth, curved surfaces of the fan's housing and the intricate details of the blades. The overall aesthetic is clean and modern.

**Vent-Axia**<sup>®</sup>

The UK's Leading Ventilation Company

## Lo-Carbon Revive

3rd Edition

[www.vent-axia.com/revive](http://www.vent-axia.com/revive)

**Vent-Axia**<sup>®</sup>  
**Lo-Carbon**<sup>™</sup>

**Vent-Axia**<sup>®</sup>  
**Lo-Carbon**<sup>™</sup>

A close-up photograph of two men in a professional setting. The man on the left, with short blonde hair, is wearing a blue and white checkered shirt and is looking down at a notepad. The man on the right, with dark skin, is wearing a grey sweater over a white collared shirt and a patterned jacket with a white fur lining. He is smiling and looking towards the camera. The man on the left is holding a blue pen and writing on the notepad. The background is a plain, light-colored wall.

We're here to help...

**Vent-Axia®**

# Lo-Carbon Revive

A fan designed especially for  
Social Housing



Up to



The Lo-Carbon Revive has been proven to reliably help prevent mould and condensation in UK homes. This universal fan has the power and flexibility to replace almost all other residential fans.

Exceeds  
Part F

Low  
Maintenance

Ultra Quiet  
Operation

1 Fan  
Fits All



Book your **FREE** Site Survey today

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# Guaranteed Performance

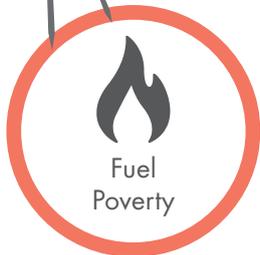
Reliably delivering airflow is important for keeping homes free from condensation and mould. However, is simply meeting the building regulations enough?



With the introduction of the Homes (Fitness for Human Habitation) Act 2018, landlords are now more responsible than ever for ensuring a habitable environment for their residents.

Building regulations are a minimum. "There should be no visible mould on external walls in a properly heated dwelling with typical moisture generation" ADF 2010 Appendix A: Performance-based ventilation.

But with fuel poverty and over occupancy to consider, we understand that you are not always dealing with a properly heated dwelling with typical moisture generation.



Fuel  
Poverty



General  
Disrepair



Excess Moisture  
Generation



Over  
Occupancy

This is why we designed the Lo-Carbon Revive to reliably exceed the building regulations. Just 2x Lo-Carbon Revives will exceed the requirements for a 4 bed home.

## Precise Data Feedback



### Datalogger

Going beyond a 'days run meter', the Lo-Carbon Revive also records: hours run on trickle, hours run on boost, hours boosted due to excess humidity and energy consumption. This can provide a detailed picture of the resident's lifestyle.



### Tamper Proof

The unique and customisable 3 digit lock feature can ensure that the Lo-Carbon Revive can do what it does best; fight condensation and mould.

With all this data and tamper free security, you can rest assured that the Lo-Carbon Revive will continue to exceed building regulations undisturbed.

# Resident Acceptability

Continuously improving fan technology.



Having developed a centrifugal fan for the social housing market in the past, we found that although it worked well on boost, forward curved impellers don't move as much air at low speeds meaning they end up boosting more often resulting in resident complaints.

This is why we developed a fan using mixed flow technology. It's a hybrid between a traditional through the wall axial fan impeller, and the high pressure centrifugal impellers.



**CENTRIFUGAL IMPELLER** - Longer boost time required



**HYBRID IMPELLER** - Less boost time required

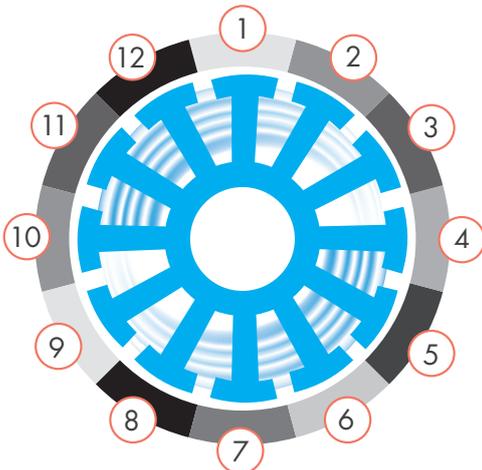
Mixed Flow Technology Means:



+



=



## Precision Engineering

Our precision engineered 12 pole motor removes the knock sound found on many existing kitchen and bathroom fans due to a smoother and better balanced impeller revolution.



### Quiet Operation

A quiet fan is essential for resident acceptability. Compared to noisy centrifugal alternatives, the Revive discreetly removes moisture and stale air, leaving a comfortable home environment.

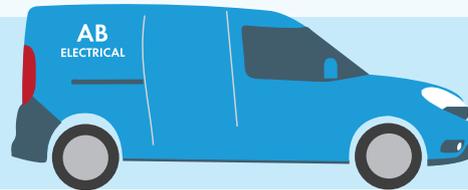


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# Making Install Easier

Improve your first time fix rate or simplify your kitchen and bathroom refurb.



## One Fan on the Van

Why have 7 fans all doing different jobs when 1 fan will do all of them? The Lo-Carbon Revive can be fitted in wall, window, ceiling, in the kitchen, bathroom and even to a long duct run. It can be set at a variety of continuous speeds or as an intermittent fan. With an optional conversion and decoration plate kit, the Revive can also replace a 6 inch fan. Stocking just 1 fan on your vans can bring many benefits:



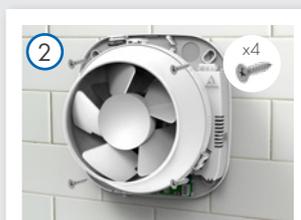
- ✓ **Installers** fitting the same fan every day get used to it, improving first time fix rate.
- ✓ **More space** on the van.
- ✓ **Always** have the right fan for the job first time, no more trips to wholesalers in the middle of a job to get a fan.

## ✓ Easy Installation

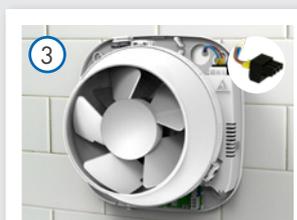
Lo-Carbon Revive is easy to install and has a small footprint. Screw in and walk away or configure there and then to suit the needs of the property and resident.



1 Remove the old fan and its wiring from the wall or ceiling.



2 Fix the back plate of your new Lo-Carbon Revive in place with 4 screws.



3 Reattach the wiring from your old fan to the new Revive unit.



4 Attach the fan's discreet tiled cover and the set up is complete!



## ✓ Configure there and then...

Using just 3 simple buttons along with the LED display, the intuitive menu makes it easy to meet resident's needs on site. SmartSense™ technology allows you to adjust a wide variety of settings to ensure the perfect install with minimum risk of returning to site at a later date.

# Helping the Environment

By reducing your carbon footprint.



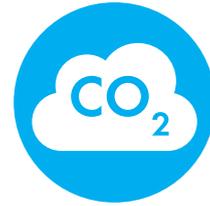
## Made in Britain

We design, develop and manufacture our fans in the UK. We have reduced transport related carbon emissions by up to 15 tonnes per year and invested in UK skilled jobs, increasing our local workforce and providing a boost to the local job market.



## Longevity of Spares

Vent-Axia has long been recognised as setting the gold standard for the availability of spares and support for obsolete product ranges. For example the Standard Range fans was launched over 60 years ago and we still supply replacement components and spares.



## Energy Saving

The Lo-Carbon Revive is optimised to provide the best possible performance while using on average only 1.3W. This lessens the impact on energy bills and has a drastic impact on CO<sup>2</sup> emissions across the whole housing stock running 24/7.

## Helping reduce plastic waste to landfill with modular design

If you come across a fan that has a fault, many manufacturers will recommend that you throw it away and replace it with a new one. Some may even have replaceable cartridges but the Lo-Carbon Revive goes one step further.

Whole fans

Cartridge fans

Lo-Carbon Revive fans

This can be expensive when the fan has exceeded its warranty period and you can end up sending a lot of unnecessary plastic to landfill.

To reduce this impact, we designed fans with disposable cartridges so that only part of the fan would need disposing of and replacing.

Now we have reduced this even further with our Revive fan, which has individual modular components that can all be replaced separately.

So if you do ever finding yourself needing to replace your Lo-Carbon Revive, chances are that you can just simply order a new spare part and avoid forking out for a completely new fan unit.



All our Lo-Carbon Revive fans are made with recyclable ABS plastic.

### Lo-Carbon Revive - Full Spares List

Revive 7 & 5 (Models 473848, 473850 & 473852)

Spare SKU	Description	Weight
479357	Motor & Impeller	180g
473877	Control PCB	16g
472141	PSU PCB	73g
472468	PSB Cover	8g
443156	Humidity Sensor	2g
407937	Microswitch & Lead	3g
469383	Accessory Pack	<1g
474700	Terminal Block	<1g

Revive 7 & 5 SELV (Models 473849, 473851 & 473853)

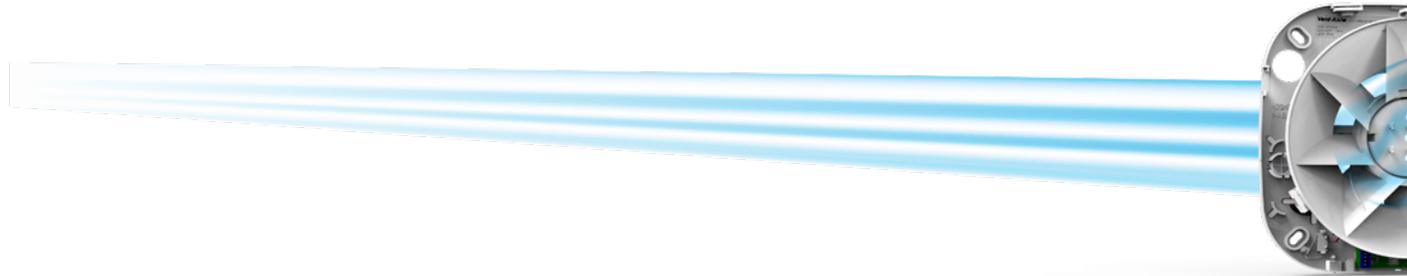
Spare SKU	Description	Weight
479357	Motor & Impeller	180g
478377	Control PCB	16g
443156	Humidity Sensor	2g
407937	Microswitch & Lead	3g
469383	Accessory Pack	<1g
474701	Terminal Block	<1g
443856	Transformer	<1g



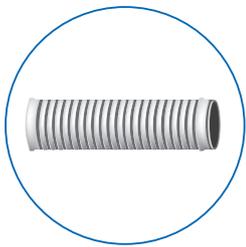
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# Unique Product Design

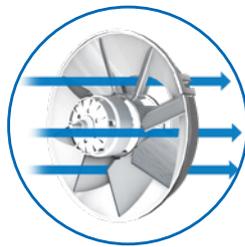


The innovative MultiVortex™ airflow technology makes Revive best in class



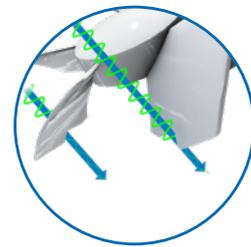
Duct Mode

The Revive's SmartSense™ technology has the option to select a ducted mode which increases motor speed to cope with higher system pressures. This enables the Revive to achieve excellent air performance on very long duct runs while not over-ventilating on short runs.



Octo-vortex Chamber

The 8 chamber conical cylinder straightens the air to develop better pressure. The design also helps to repel dirt enabling the fan to be filterless, so landlords can install powerful fans with low maintenance requirements.



Saw-tooth Design

dB(A) is important, but tone is more important. Our R&D department have experimented extensively with noise reduction techniques and discovered that introducing a saw-tooth edge to the back of each blade breaks up the sound spectrum resulting in an ear-friendly tone.



Reactive Ambient Response

Running continuously on trickle, the Revive fan is always looking for changes in humidity so that it can respond and act quickly and proportionally to the problem. This means that if humidity is rising more quickly, the Revive will boost faster to ensure that vapour doesn't escape to other cold surfaces in the property and cause mould. If the humidity starts to go down after boosting, the Revive will respond accordingly and prevent over-ventilation and boost noise.



Vent-Axia  
Lo-Carbon.



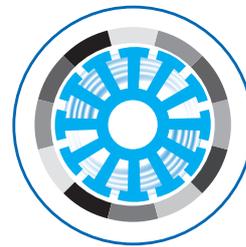
### Mixed Flow Technology

Over the years, we have found that noisy boosting causes resident complaints. With this in mind we designed the first ever social housing fan with mixed flow technology to maximise air flow on trickle and avoid unnecessary boosting.



### Bellmouth Entry

The bellmouth design draws air fluidly and silently into the fan via the side rather than the front, ensuring high airflows with a flat tiled cover.



### 12 Pole Motor

To keep noise to a minimum, we use a long-life 12 pole motor to remove any 'motor knock' noise while retaining premium motor life and energy efficiency.



### Up to 7 years warranty

With a high performance, long life, 12 pole motor and precision engineered plastics, the Revive delivers maximum air performance with a minimum wear and tear. This gives us the absolute confidence to guarantee our fan for up to 7 years.



**BUILDING  
COMMUNITIES  
AWARDS 2019**



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# A Wide Range of Solutions

More than just an innovative ventilation manufacturer



## Survey

Our experienced consultants can visit your site and provide impartial expert advice on condensation and mould complaints and issues you may be experiencing at the property, which will help determine if ventilation could be a solution to the problem. This includes detailed reports outlining recommendations within 48 hours.



## Products

Designed with residents in mind, our social housing product solutions are powerful enough to remove moist air to help eradicate condensation & mould and at the same time quiet enough not to disturb while remaining energy efficient.



## Installation

Getting it right the first time isn't always easy. We provide an end-to-end solution and can install the right product to combat the problem, offering peace of mind, ensuring a happy resident and protecting the property over the long term.



## Support

Our expert ventilation consultants are always on-hand to assist with queries, offer their expert opinions, or even assist installers on trials of new ventilation products. Backed up by a knowledgeable and friendly technical support department, you can rest assured that Vent-Axia will always offer first class support.

**Vent-Axia**



## Training

The ventilation industry is constantly changing and evolving. So are our customer's challenges and that is why we are on hand to offer practical, engaging and informative training. From CPD courses on mould and condensation to hands-on toolbox talks on installation, we can help you to stay ahead of the knowledge curve.



## Downloads

Vent-Axia has simplified the way you can access information. Knowledge Hub provides you with our literature and comprehensive product information all in one place, at the touch of a button. Watch our video now to find out more.

[www.vent-axia.com/knowledge-hub](http://www.vent-axia.com/knowledge-hub)



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# Technical Specification

## Models

### Lo-Carbon Revive 7/SELV 7

A universal kitchen or bathroom HTP fan with option to be continuous or intermittent running. Adjustable trickle speed between 6-13l/s and boost speeds of 15, 30 and 60. SmartSense™ running data software as standard. 7 year warranty. Built-in lock function. Dynamic ambient response humidity sensor. Timer adjustable between 1 and 30 minutes. Boost activated by pullcord, humidity sensor, switched live or remote button. Tile front for discreet installation.



Model Stock Ref  
 Lo-Carbon Revive 7 473848  
 Lo-Carbon Revive SELV 7 473849

### Lo-Carbon Revive 5/SELV 5

A universal kitchen or bathroom HTP fan with option to be continuous or intermittent running. Adjustable trickle speed between 6-13l/s and boost speeds of 15, 30 and 60. SmartSense™ running data software as standard. 5 year warranty. Built-in lock function. Dynamic ambient response humidity sensor. Timer adjustable between 1 and 30 minutes. Boost activated by pullcord, humidity sensor, switched live or remote button. Open front grille.



Model Stock Ref  
 Lo-Carbon Revive 5 473850  
 Lo-Carbon Revive SELV 5 473851

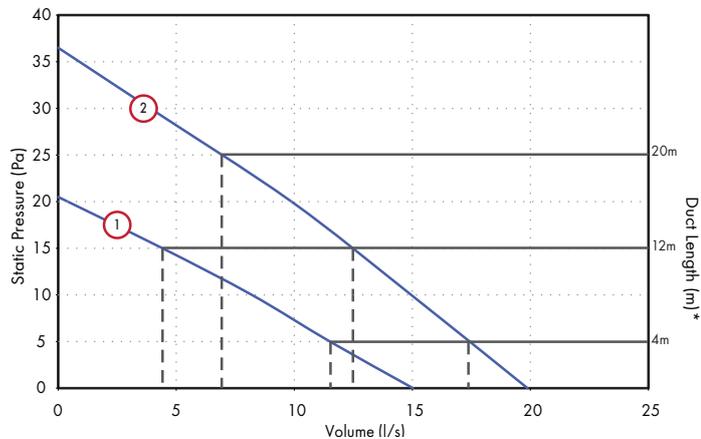
### Lo-Carbon Revive/SELV

A universal kitchen or bathroom HTP fan with option to be continuous or intermittent running. Adjustable trickle speed between 6-13l/s and boost speeds of 15, 30 and 60. 5 year warranty. Dynamic ambient response humidity sensor. Timer adjustable between 1 and 30 minutes. In built boost activated by pullcord, humidity sensor, switched live or remote button. Open front grille.

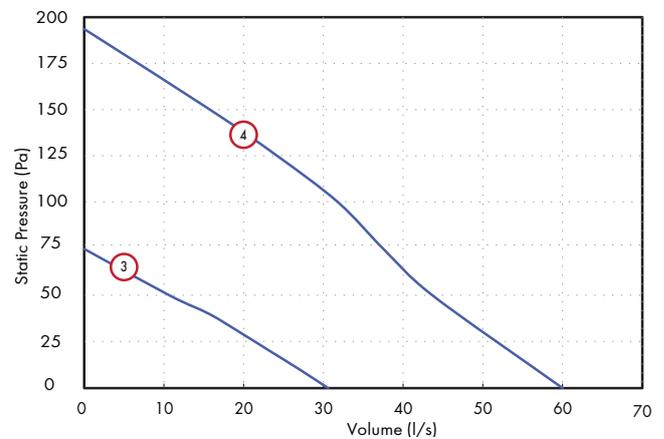


Model Stock Ref  
 Lo-Carbon Revive 473852  
 Lo-Carbon Revive SELV 473853

## Performance Guide



① Trickle 6l/s    ② Trickle 12l/s



③ Boost 30l/s    ④ Boost 60l/s

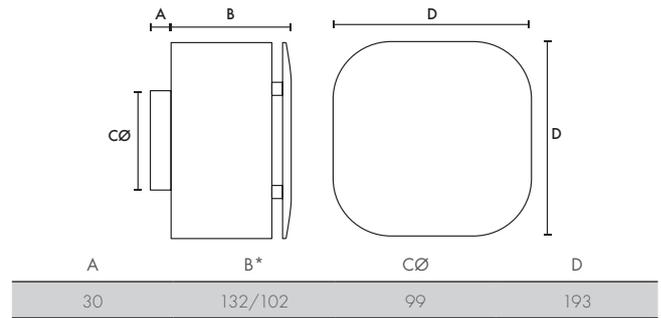
Model	Extract Performance (l/s)				Trickle Low	Power Consumption (Watts)			Trickle Low	Sound Data (dBA)		
	Trickle Low	Boost	Boost	Boost		Boost	Boost	Boost		Boost	Boost	Boost
Revive	6	15	30	60	1.4	2	6	26	15	21	33	47

\* Assumes 1m of straight rigid plastic ducting is equivalent to approx 1.2 Pa

## Accessories

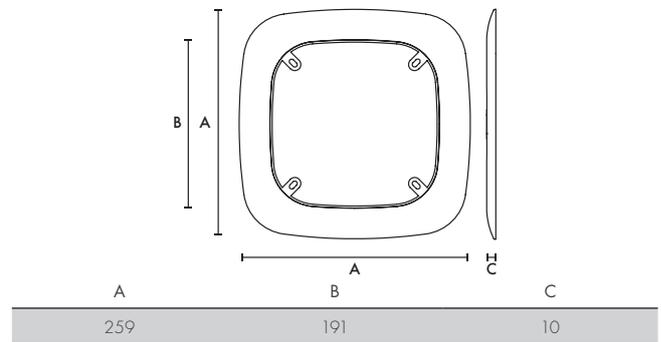
Model	Stock Ref
Wall Kit White	254102
Wall Kit Brown	254100
Conversion kit	408680
Ceiling kit	407928
Window kit	407927
Decoration Frame	474041
Internal Fit Wall Kit (For high rises)	472318

## Dimensions (mm)



\* Closed/Open Grille

## Decoration Frame Dimensions (mm)



# Vent-Axia®

## VENT-AXIA CONTACT NUMBERS

Free technical, installation and sales advice is available

Sales Tel:	0844 856 0590
Sales Fax:	01293 565169
Tech Support Tel:	0344 856 0594
Tech Support Fax:	01293 532814
Web:	<a href="http://www.vent-axia.com/social-housing">www.vent-axia.com/social-housing</a>
Email:	<a href="mailto:sales@vent-axia.com">sales@vent-axia.com</a>

### Supply & Service

All sales made by Vent-Axia Limited are made only upon the terms of the Company's Conditions of Sale, a copy of which may be obtained on request. As part of the policy of continuous product improvement Vent-Axia reserves the right to alter specifications without notice.



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**Vent-Axia Group Ltd** Made in Britain

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