

## Airflow iCON ECO 15

# Airflow iCon ECO 15 Extractor Fan User Manual

Model: iCON ECO 15 | Brand: Airflow

## 1. INTRODUCTION

This manual provides essential information for the safe and efficient installation, operation, and maintenance of your Airflow iCon ECO 15 Extractor Fan. Please read these instructions thoroughly before installation and retain them for future reference. The Airflow iCon ECO 15 is a stylish, compact, low-profile fan designed for discreet ventilation in various domestic applications.

## 2. SAFETY INFORMATION

### Important Safety Instructions:

- Ensure the power supply is disconnected before installation, maintenance, or servicing.
- Installation must be carried out by a qualified electrician in accordance with national wiring regulations and local building codes.
- This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.
- Children should be supervised to ensure that they do not play with the appliance.
- Do not install the fan directly above a shower or bath unless it is protected by a suitable enclosure.
- Ensure that the air intake and exhaust vents are not obstructed.
- The fan must not be connected to a chimney flue or any other appliance flue.

## 3. PRODUCT OVERVIEW

The Airflow iCon ECO 15 is a 100mm (4-inch) axial extractor fan featuring an intelligent iris shutter design for efficient and quiet operation. Its low-profile aesthetic integrates seamlessly into modern interiors.

### 3.1 Key Features

- **Iris Shutter Technology:** Intelligent, award-winning design with a delayed shutter that opens and closes over up to 2 minutes. This avoids unnecessary operation for energy efficiency and prevents unwanted

backdraughts.

- **Low Profile Design:** Discreet and aesthetically pleasing.
- **Modular Versatility:** Compatible with various control modules (sold separately) for enhanced functionality.
- **Quiet Operation:** Designed for low noise levels.



Front view of the Airflow iCon ECO 15 Extractor Fan with its iris shutter closed, showing a smooth, unobtrusive appearance.



Front view of the Airflow iCon ECO 15 Extractor Fan with the iris shutter partially open, revealing the internal grille.



Front view of the Airflow iCon ECO 15 Extractor Fan with the iris shutter fully open, showing maximum airflow capacity.

# iCON Iris Shutter Technology

- Intelligent & award winning iris shutter design
- Delayed shutter opens & closes over up to 2 minutes
- Avoids unnecessary operation for energy efficiency
- Automatic close prevents unwanted backdraughts



This image details the iCON Iris Shutter Technology, highlighting its intelligent design, delayed opening/closing for energy efficiency, and automatic closure to prevent backdraughts. Three fan states (closed, partially open, fully open) are shown.

## 4. SPECIFICATIONS

### Technical Data for Airflow iCon ECO 15

Specification	Value
Brand	Airflow
Model Number	iCON ECO 15
Fan Type	Axial
Air Flow (m³/h / l/s)	69 / 19
Mounting Position	Wall / Ceiling
Sound Pressure @ 3m (dB(A))	28.8
Power (W)	9.4
Duct Diameter (mm)	100
Supply Voltage	230 V / 1ph / 50 Hz
Ingress Protection Rating	IPX4
Max Ambient Temperature (°C)	40

Specification	Value
Weight (kg)	0.74
Dimensions H x W x D (mm)	197 x 197 x 108.5

## iCON Extractor Fan FAQs

Have questions about our iCON Extractor Fans?

Visit our Knowledge Base for FAQs and help with installation.

[airflow.com/useful-links/knowledge-base-faqs](https://airflow.com/useful-links/knowledge-base-faqs)



Detailed technical specifications for the iCon 15 fan, including airflow, power, noise level, and dimensions.

**Warranty**

**Airflow Developments Ltd guarantees the iCON for 3 years from date of purchase against faulty material or workmanship.** Applicable to units installed and used in the United Kingdom.

You can register your warranty online (for more information check at [www.airflow.com](https://www.airflow.com)).

Warranty only covers the fan, not the reinstallation if required. In the event of any defective parts being found, Airflow Developments Ltd reserve the right to repair or at our discretion replace without charge provided that the unit:

- Has been installed and used in accordance with the fitting and wiring instructions supplied with each unit.
- Has not been connected to an unsuitable electrical supply.
- Has not been subjected to misuse, neglect or damage.
- Has not been modified or repaired by any person not authorised by Airflow Developments Ltd
- Has been installed in accordance with latest Building Regulations and IET wiring regulations by a person who is recognised as a competent installer who is part of a competent scheme provider (e.g. NICEIC Ventilation Scheme).

**AIRFLOW**

Airflow Developments Ltd shall not be liable for any loss, injury or other consequential damage, in the event of a failure of the equipment or arising from, or in connection with the equipment excepting only that nothing in this condition shall be construed as to exclude or restrict liability for negligence.

This warranty does not in any way affect any statutory or other consumer rights.

**For detailed standard warranty terms and conditions see our website or contact Customer Service.**

**Disposal**  
Do not dispose of with household waste.  
Please recycle where facilities exist.  
Check with your local authority for recycling advice.

**UK Head-Office**  
AIRFLOW DEVELOPMENTS LTD  
Ardella House, Lancaster Road  
Crescent Business Park  
High Wycombe  
Buckinghamshire  
HP12 3GP  
United Kingdom  
Tel: +44 (0) 1494 525252  
Email: [info@airflow.com](mailto:info@airflow.com)  
Web: [www.airflow.com](https://www.airflow.com)

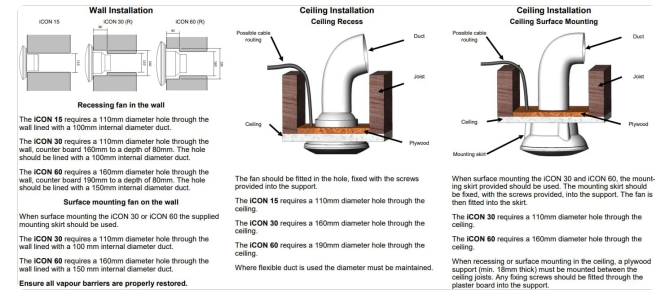
**Czech Republic**  
AIRFLOW LÚFTTECHNIKA s.r.o.  
o.s. Praha  
Kozmánek 523  
108 00 Praha 10  
Mladá Boleslav  
Czech Republic  
Tel: +42 (0) 2 7477 2230  
Email: [info@airflow.cz](mailto:info@airflow.cz)  
Web: [www.airflow.cz](https://www.airflow.cz)

**Germany**  
AIRFLOW LÜFTTECHNIK GmbH  
Industriestrasse 16  
63333 Brunnach  
Germany  
Tel: +49 (0) 222 69206 0  
Email: [info@airflow.de](mailto:info@airflow.de)  
Web: [www.airflow.de](https://www.airflow.de)

[www.airflow.com](https://www.airflow.com)

© Airflow Developments Ltd.  
Airflow Developments Limited reserve the right, in the interests of continuous development, to alter specifications without prior notice. All orders are accepted subject to our conditions of sale which are available on request.

This image provides a dimensional drawing of the iCon 15 fan with key measurements (A, B, C, D, E) and a static pressure vs. airflow performance graph.



The energy label for the Airflow iCon 15, indicating a 'C' energy efficiency rating, 29 dB noise level, and 68 m³/h airflow.

## 5. INSTALLATION

The Airflow iCon ECO 15 fan is designed for installation in walls or ceilings. Always ensure the power supply is isolated before commencing any installation work.

## 5.1 General Installation Guidelines

- The fan requires a 110mm diameter hole for installation.
- For wall installations, the hole should be lined with a 100mm internal diameter duct.
- When using flexible ducting, ensure the diameter is maintained throughout the run.
- Ensure all vapor barriers are properly restored after installation.

## 5.2 Wall Installation (Recessing Fan)

The iCon 15 requires a 110mm diameter hole through the wall. This hole should be lined with a 100mm internal diameter duct.

## 5.3 Ceiling Installation (Recess)

The fan should be fitted in the hole, secured with the screws provided into the support structure. The iCon 15 requires a 110mm diameter hole through the ceiling.

## 5.4 Ceiling Installation (Surface Mounting)

When surface mounting, the fan is fitted into the mounting skirt (if supplied). The iCon 15 requires a 110mm diameter hole through the ceiling. When recessing or surface mounting in the ceiling, a plywood support (min. 18mm thick) must be mounted between the ceiling joists. Any fixing screws should be fitted through the plasterboard into this support.



This image displays various installation methods: wall recessing, ceiling recessing, and ceiling surface mounting, with diagrams illustrating ducting and support requirements for iCon 15, 30, and 60 models.



Side profile of the Airflow iCon ECO 15 fan, showing the integrated duct connection for ventilation systems.

## 6. OPERATING INSTRUCTIONS

---

The Airflow iCon ECO 15 operates automatically based on its intelligent iris shutter technology. When activated (e.g., by a light switch or an optional control module), the iris shutter will slowly open, and the fan will begin to extract air. Upon deactivation, the fan will continue to run for a set period (if a timer module is installed) before the shutter slowly closes, preventing backdraughts.

### 6.1 Control Modules (Sold Separately)

The iCon ECO 15 is designed to be upgraded with various 'snap-in' interchangeable control modules to suit specific ventilation needs. These modules offer functionalities such as:

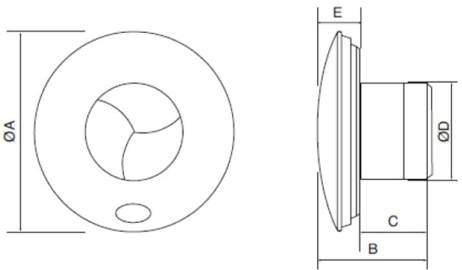
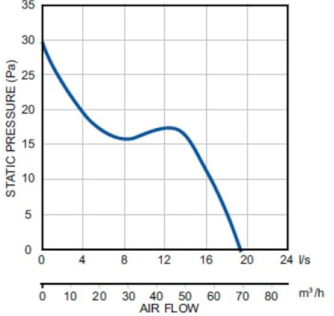
- **Basic Switching:** Simple on/off operation.
- **Delay Start:** Fan starts after a delay.
- **Humidity Sensor:** Activates based on room humidity levels.
- **Motion Sensor:** Activates upon detecting movement.
- **Pullcord:** Manual activation via a pull cord.
- **Room Refresh:** Periodic ventilation.
- **SELV:** Safety Extra Low Voltage.
- **Timer:** Fan runs for a set duration after activation.
- **Two Speed:** Allows selection between two fan speeds.

- **Variable Speed:** Adjustable fan speed.

Refer to the specific control module's instructions for detailed operating procedures.

TECHNICAL DATA		COVERS			
Specification	ICON 15	Colour	Part No.	Colour	Part No.
Air flow [m³/h / l/s]	69 / 19	Silver	52634504	Ultimate Grey	52634514
Fan type	axial	Sandstone	52634505	Turquoise	52634515
Mounting position	wall / ceiling	Anthracite	52634503	Navy Blue	52634516
Sound pressure @ 3 m [dB(A)]	28.8	Chrome	52634502		
Power [W]	9.4				
Building regulations	compliant				
Duct diameter [mm]	100				
Supply voltage	230 V / 1ph / 50 Hz				
Ingress protection rating	IPX4				
Max ambient temperature [°C]	40				
Weight [kg]	0.74				
Dimensions H x W x D [mm]	197 x 197 x 108.5				
Part number	72683501				
EAN	5019009307633				

DIMENSIONS		PERFORMANCE			
					
Model	A B C D E				
ICON 15	197 108.5 67.5 100 40				

This image illustrates the modular design of the iCon fan, showing how different 'snap-in' control modules (e.g., Basic, Delay Start, Humidity, Motion Sensor, Timer) can be added to upgrade its functionality. An exploded view of the fan's internal components is also visible.

## 7. MAINTENANCE

Regular cleaning and maintenance will ensure the longevity and optimal performance of your Airflow iCon ECO 15 Extractor Fan.

- **Disconnect Power:** Always ensure the power supply to the fan is disconnected before performing any maintenance.
- **Cleaning the Cover:** The front cover can be gently wiped with a damp cloth and mild detergent. Avoid abrasive cleaners.
- **Cleaning the Fan Blades:** Carefully remove the front cover (refer to installation instructions for removal). Gently clean the fan blades and internal surfaces with a soft brush or damp cloth. Ensure no moisture enters electrical components.
- **Reassembly:** Once clean and dry, reassemble the fan cover, ensuring it is securely fitted.
- **Frequency:** Cleaning should be performed periodically, depending on the environment and usage, typically every 3-6 months.

## 8. TROUBLESHOOTING



If you experience issues with your Airflow iCon ECO 15 fan, consult the following common troubleshooting steps:

Problem	Possible Cause	Solution
Fan does not operate.	No power supply; faulty wiring; fan motor failure; control module issue.	Check power supply at the switch and fuse box. Verify wiring connections (by a qualified electrician). If using a control module, check its functionality.
Fan is noisy.	Obstruction in ducting or fan blades; loose mounting; worn bearings.	Disconnect power and inspect fan blades and ducting for obstructions. Ensure the fan is securely mounted. If noise persists, professional inspection may be required.
Poor extraction performance.	Blocked ducting; dirty fan blades; incorrect fan size for room.	Clean fan blades and check ducting for blockages. Ensure ducting is correctly installed and not excessively long or restrictive.
Iris shutter not opening/closing.	Obstruction; motor fault; control module issue.	Disconnect power and check for any physical obstructions around the shutter mechanism. If using a control module, verify its operation.

For issues not listed here or if solutions do not resolve the problem, please contact Airflow customer support or a qualified technician.

## 9. WARRANTY INFORMATION

Airflow Developments Ltd guarantees the iCon fan for **3 years** from the date of purchase against faulty material or workmanship. This warranty is applicable to units installed and used in the United Kingdom.

You can register your warranty online for more information at [www.airflow.com](http://www.airflow.com).

The warranty covers only the fan and does not include reinstallation if required. In the event of any defective parts being found, Airflow Developments Ltd reserves the right to repair or replace the unit at their discretion without charge, provided that:

1. It has been installed and used in accordance with the fitting and wiring instructions supplied with each unit.
2. It has not been connected to an unsuitable electrical supply.
3. It has not been subjected to misuse, neglect, or damage.
4. It has not been modified or repaired by any person not authorized by Airflow Developments Ltd.
5. It has been installed in accordance with the latest Building Regulations and IET wiring regulations by a person who is recognized as a competent installer (e.g., NICEIC Ventilation Scheme).

Airflow Developments Ltd shall not be liable for any loss, injury, or other consequential damage arising from a failure of the equipment, except only that nothing in this condition shall be construed as to exclude or restrict liability for negligence.

This warranty does not affect any statutory or other consumer rights.

For detailed standard warranty terms and conditions, please visit the Airflow website or contact Customer Service.







**29**  
dB



**68 m<sup>3</sup>/h**



This image provides the warranty statement from Airflow Developments Ltd, outlining the 3-year guarantee, conditions for validity, and limitations of liability. It also includes disposal information and contact details for various regions.

## 10. SUPPORT AND CONTACT

For further assistance, frequently asked questions (FAQs), and installation help, please visit the Airflow Knowledge Base:

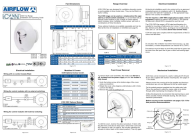
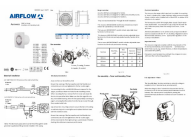


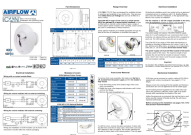

[airflow.com/useful-links/knowledge-base-faqs](https://airflow.com/useful-links/knowledge-base-faqs)



The advertisement features the 'iCON' logo at the top left and a 'reddot design award' logo at the top right. The main headline is 'Match your décor'. Below this, there are two rows of circular fan covers. The first row shows three new colors: Ultimate Grey, Turquoise, and Navy Blue, with the text 'THREE NEW COLOURED COVERS IN THE RANGE' to the right. The second row shows four other colors: Sandstone, Silver, Chrome™, and Anthracite. The background of the advertisement is a photograph of a modern white freestanding bathtub in a bathroom with large windows and a wooden floor. A QR code is located in the bottom left corner. At the bottom, there is a blue bar with the phone number '01494 525252' on the left, the website 'airflow.com' on the right, the 'AIRFLOW' logo in the center, and a row of social media icons (Twitter, YouTube, Facebook, LinkedIn, and Instagram) on the far right.

This image directs users to the Airflow website's Knowledge Base for FAQs and installation support related to iCON Extractor Fans.

## Related Documents - iCON ECO 15

	<p><a href="#">Airflow iCON 230V Fan Range: Installation and Operating Guide</a></p> <p>Comprehensive installation and operating guide for the Airflow iCON 230V fan range, detailing electrical and mechanical installation, optional modules, maintenance, and warranty information.</p>
	<p><a href="#">Airflow Aura-eco Fan Range: Installation and Operating Guide</a></p> <p>Comprehensive installation and operating guide for the Airflow Aura-eco range of 230V fans (models 100, 125, 150). Covers electrical and mechanical installation, fan features, adjustments, maintenance, warranty, and disposal.</p>
	<p><a href="#">Airflow iCON 15/30 Spares Kit with Actuator - Instruction Manual</a></p> <p>Detailed instruction manual for installing the Airflow iCON 15/30 spares kit, including the actuator, clip, spring, and screws. Learn how to replace parts for your iCON fan.</p>
	<p><a href="#">Airflow iCON 30S Ventilation Fan: Stylish, Efficient Bathroom Ventilation</a></p> <p>Discover the Airflow iCON 30S, a stylish and efficient 12V DC ventilation fan for en-suites, bathrooms, and utility rooms. Featuring a Reddot Design Award winning silent iris shutter, low energy consumption, and multiple control module options.</p>
	<p><a href="#">Airflow iCON SELV 12V Fan Range: Installation and Operating Guide</a></p> <p>Comprehensive installation and operating guide for the Airflow iCON SELV 12V DC fan range, covering dimensions, electrical and mechanical installation, maintenance, and warranty. Features Safety Extra Low Voltage (SELV) fans suitable for domestic premises.</p>
	<p><a href="#">Airflow Aura-eco 100mm &amp; 150mm Axial Fans: Installation and Operating Instructions</a></p> <p>This document provides comprehensive installation, operating, and maintenance instructions for the Airflow Aura-eco 100mm and 150mm axial fans. It includes safety guidelines, technical specifications, connection diagrams, sensor adjustments, and warranty information.</p>