

# Lo-Carbon iQ

## Features & Benefits

- Minimal retro design to match bathroom décor
- Extremely quiet- only 21 dB(A)
- Truly surface mountable with removable spigots
- Intelligent controls and control panel for easy and flexible set up and commissioning
- Low power consumption - only 5 W
- Easy cleaning and maintenance
- 5 year Lo-carbon motor guarantee
- Intelligent humidistat control as standard
- Innovative airing function to ensure good air quality
- IP44 rated



### Market Leading Design

With the launch of the Lo-Carbon iQ fan, we not only spent time perfecting the operation and user's experience of the fan but also worked hard on the design. The result is a stylish fan with a surface depth that appeals to the eye and that matches modern fittings found in today's bathrooms. The visible blades give a retro-feel and helps to give the fan a very quiet noise level.

### Silent Operation

The open impellor and the unique method of operating the motor enables a greater array of operating options including silent continuous ventilation along with adaptable speed control and flexible timer functions.

### Humidity Control

The iQ features an intelligent, fully automatic humidity sensor for moisture control. This means the fan learns to run only when it can make a difference to the indoor air quality. The fan continually monitors and records the moisture content to allow it to map the humidity profile throughout the year. This process enables the fan to ensure that it runs only when the fan can lower the moisture content in the air. This reduces nuisance running. The fan also has two modes for moisture control, silent or boost mode which can be selected via the touch pad control.

### Control Panel

Our aim has been for the end user to be able to control and understand the basic fan functions, without the need of reading the manual. When the fan is connected to the power supply, it also performs a self-test where all the status lamps on the control panel are tested, as well as the function of the motor. Ideal for those installing to ensure that everything works. The simple controls, along with the LED feedback make the commissioning and any readjustment, quick and easy to complete.



### LED Feedback

With many fans it is difficult to understand the exact mode that they are running in. We have now simplified this to provide a visual indicator to see what the fan is doing and which mode is currently active. The fan uses three different colours on the visible status lamp to communicate exactly what it is doing. A blue light signifies that the fan is working to evacuate moisture via the humidity sensor. A yellow light signifies that the timer is running. And a purple light signifies that the fully automatic airing function is active.

### You Choose How The Fan Works

The intelligent overrun timer can be operated in several different ways, either via the light switch, integral pull-cord or a separate switch either as a standard On/Off or as a momentary switch stopping automatically after the overrun on time. You use the control panel to easily set the required post-running time at 15 or 30 minutes, depending on your choice.

### Full Surface Mounted Installation

With the impellor and motor assembly designed to be low profile and accessible for maintenance, spigots on the fan are completely removable. This design enables the fan to be mounted onto a wall without any spigot so that it can be truly surface mounted. This is an ideal function if you have a duct with a smaller dimension than 100 mm or a duct that bends directly off of the back of the fan not providing any depth in the wall for the spigot.

### Cleaning and Maintenance

For a fan to ventilate effectively, it is vital that it is kept clean and that the ductwork and grilles are free from dust that can reduce the air flowing through them. This is the first fan to be introduced with the ability to simply remove the impellor and open the centre of the fan to gain free access to the duct. Using the 'swing-out' function you can easily clean and clear the fan e.g. a clogged grille on the outside of the façade. Click the button to remove the impellor, then press the snap in catch and swing out the motor - that's it!



## Automatic Airing Function

The airing function means when the fan has been inactive for 26 hours, it runs an airing programme for 60 minutes to exchange the air in the bathroom. No more worries about stuffy, musty odours in the bathroom when returning from holiday.

## Lo-Carbon 5 Year Guarantee

As there is an integrated power adapter in the fan we have been able to use a low voltage motor that has a life span of approximately 60,000 hours. This is about 3-5 times longer than a standard fan. The motor features extremely quiet bearings. By using a low voltage motor we can significantly limit power consumption. The fan only consumes 5 Watts, about a third of a conventional AC bathroom fan.

## Models

### Lo-Carbon iQ

Multi control fan with option to run on intermittent or continuous setting. Adjustable timer and humidity options with integral pullcord included.

Model **Lo-Carbon iQ** Stock Ref **405155**

## Accessories



### Backdraught Shutters

Designed to reduce any incoming draughts when the fan is off.

Model **Backdraught Shutters** Stock Ref **406605**

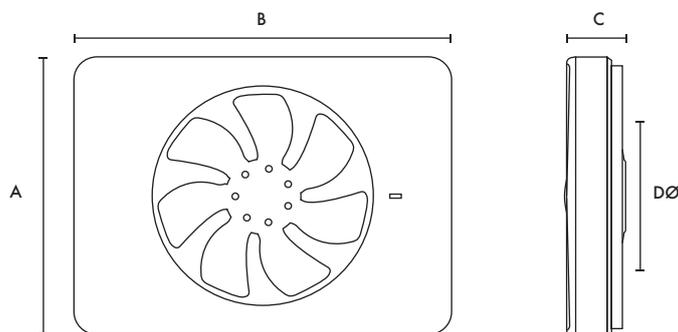


### Wall Mounting Back Plate

Designed to cover up marks where a previous fan has a different foot print. 242mm x 190mm.

Model **Wall Mounting Back Plate** Stock Ref **406762**

## Dimensions (mm)



A	B	C	DØ
152	202	31	99/125

Product is supplied with a removable spigot 30mm deep in 99mmØ and 125mm Ø

## Performance

Duct Ø	Trickle/Boost	Extract Performance - FID		Sound dB(A)
		m³/h	l/s	@ 3m
100mm	Max	108	30	28
100mm	Silent	72	20	21
100mm	Trickle	43.2	12	12
125mm	Max	133.2	37	29
125mm	Silent	86.4	24	21
125mm	Trickle	54	15	13