



AIRFLOW

CONSULTANT'S SPECIFICATION

FAN SPECIFICATION - iCONsmart 30

The extractor fan shall be the iCONsmart 30 as designed and manufactured by Airflow, shall be sized as indicated on the drawings described on the products data sheet in accordance with the specification.

The axial fan has been designed and developed in CFD (Computational Fluid Dynamics) to deliver the next generation extractor fan, with this revolutionary design iCONsmart ensures effective ventilation, for various applications.

The iCONsmart is built with the latest EC motor which is highly efficient and energy saving, minimising the fan's energy consumption and low specific fan power values. Specifically designed with CFD, the fan has a bespoke impeller, designed to increase air performance whilst reducing pollutant noise. Also, the fan contains a newly developed flow sensor that is completely waterproof, recovering quickly when it gets wet. The fan can resist a sustained, low pressure water jet spray, is also tiling friendly and has wipe clean cover.

The iCONsmart 30 extractor fan is suitable for 125mm duct diameter. iCONsmart round design means fitting in the wall or ceiling through a core drilled hole enables immediate fixing with cantilever fixing lugs that enable recessed installation on uneven surfaces. The mounting positions and flexibility for product specification and installation is as described in the product's data sheet and installation instruction provided by Airflow.

With the iCONsmart fan, you have a choice of the following module functionality; Timer, Humidity & Timer, Motion sensor & Timer or Motion sensor with Humidity & Timer. The digital micro modules are small and simple to install. The iCONsmart modules are described in the product data sheet and installation instructions provided by Airflow.

iCONsmart 30 has also been CB tested and FCC certified to demonstrate the thoughtful engineering behind the fan design. It has been awarded the TUV certification for its safety, functionality, and quality. The unique QR code found on all iCONsmart fans boxes will direct to the certification page. The fan is suitable to operate in air temperatures up to 40°C.

KEY FEATURES

- Fully adjustable flow rate up to 42 l/s (151 m³/h).
- Low energy consumption.
- Ceiling or wall mounted.
- Very quiet (Quiet Mark certified).
- IPX5.
- App controlled via Bluetooth.
- Real time fan data accessibility.
- NICEIC paperless notification*.
- Silent iris shutter.
- Very quiet (Quiet Mark certified).
- Digital micro multifunction modules: Timer, Humidity & Timer, Motion sensor & Timer, Motion sensor with Humidity & Timer.
- Ductable for short runs.
- Cantilever lugs to facilitate uneven surfaces.
- Complies with Building Regulations.
- 5 Year guarantee.

*Must be a NICEIC registered competent person to access this features.

OPERATION

The iCONsmart 30 fan iris shutters operate silently whilst preventing backdraughts from the outside. The fan meets and exceeds the requirements of Part F of the Building Regulations. With flow rates up to 42 l/s (151 m³/hr), it makes it ideal to extract stale air from wet rooms such as large shower rooms, bathrooms and utility rooms.

The iCONsmart fan can be app controlled or remote switch operated. myAirflow, the Bluetooth enabled app allows to view and adjust on-going flow rates, as well as a full set of other functions and features. The fan brings paperless commissioning, by electronically submitting each identified fan performance data to Building Control via the fully approved NICEIC on-line portal.

CONTROL OPTIONS

The iCONsmart is designed with its own innovative fan control and monitoring, and shall be controlled using myAirflow app, user friendly and all fan functionalities can be adjusted by the user.

iCONsmart fan has a built in Timer module which can be accessed by a unique unlock code found on Timer card when purchasing the Timer module. Through combining the fan with an additional micro module, the user will have access to a wide range of functionalities which are enabled and adjusted via the app.

The modules can be either a Timer, Humidity sensor or a Motion sensor where the fan will keep the room well ventilated due to changes in the humidity level or if a timer is pre-set. The fan will boost or reduce to achieve the pre-set settings without the need of manual intervention.

BASIC FUNCTIONALITY - myAirflow app

Without adding an additional module, the fan shall provide the following features:

- Bluetooth connection to any smart device.
- Setting flow rates.
- As standard (basic fan) 3 months rolling data of power consumption, Time on and flow rates log.
- Customisable fan name.
- Built in unlockable Timer module.
- Commission and notification to NICEIC of an installation.
- View NICEIC registration details (Fan serial number, name, address).

MODULE FUNCTIONALITY - myAirflow app

By using the micro modules, the user can customise the fan to suit needs, whether that is Timer, Humidity or Motion. The modules can be used separately or can be combined to give more functionality.

Depending on which module is installed, the fan shall provide the following functions and features:

- Adjustable Run on Timer between 2 and 45 minutes
- Delay start
- Silent Hours
- Room refresh
- Adjustable room humidity level that can be between 35%- 95%
- Accessibility to room humidity and temperature usage data logs as well as exporting it.
- Passive infra-red motion sensor

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