### Fan dimensions

<table>
<thead>
<tr>
<th>Model</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>E</th>
</tr>
</thead>
<tbody>
<tr>
<td>ICON 15</td>
<td>280</td>
<td>225</td>
<td>197</td>
<td>165</td>
<td>101</td>
</tr>
<tr>
<td>ICON 30</td>
<td>280</td>
<td>225</td>
<td>197</td>
<td>165</td>
<td>101</td>
</tr>
<tr>
<td>ICON 60</td>
<td>280</td>
<td>225</td>
<td>197</td>
<td>165</td>
<td>101</td>
</tr>
</tbody>
</table>

**R** = Recessed without skirt

**S** = Surface mounted with skirt

### Range overview

Airflow® iCON® 230V fans are available in three model sizes and can be fitted to a wall or ceiling.

<table>
<thead>
<tr>
<th>Part no.</th>
<th>Model</th>
<th>Air flow (l/s / m³)</th>
<th>Power (W)</th>
<th>Current (A)</th>
<th>Noise level (dB(A) @ 3m)</th>
</tr>
</thead>
<tbody>
<tr>
<td>72683501</td>
<td>ICON 15</td>
<td>19 / 69</td>
<td>9.4</td>
<td>0.05</td>
<td>28.5</td>
</tr>
<tr>
<td>72591601</td>
<td>ICON 30</td>
<td>32 / 117</td>
<td>26.4</td>
<td>0.17</td>
<td>33.3</td>
</tr>
<tr>
<td>72591701</td>
<td>ICON 60</td>
<td>78 / 280</td>
<td>66.5</td>
<td>0.45</td>
<td>41.6</td>
</tr>
</tbody>
</table>

### Electrical installation

**All electrical installation must be carried out by an approved electrician in accordance with Approved Document Part P of U.K. Building Regulations and to the latest IET standards, or the appropriate regulations in the country of installation.**

The fan requires a 230V 50Hz single phase supply, class II equipment (marked as stated in BS EN 60417). An external 3A fuse and a 30mA RCD is required for each fan unit.

All wiring and switches for fans shall be selected and sited in accordance with BS7671 (IET Wiring Regulations) or relevant.

**Important**

Do not place the ventilator near direct heat sources, e.g. radiant heaters, or where temperatures can exceed 40°C (104°F).

**Wiring with no control module fitted:**

1. **Surface mounting fans on the wall**
   - Requires a 110mm diameter hole through the wall, counter bored 160mm to a depth of 80mm. The hole should be lined with a 100mm internal diameter duct.
   - The **ICON 60** requires a 160mm diameter hole through the wall, counter bored 190mm to a depth of 80mm. The hole should be lined with a 150mm internal diameter duct.

2. **Surface mounting fans on the ceiling**
   - Requires a 150mm mixed flow fan
   - The **ICON 60** requires a 200mm axial fan

**Fitting on the wall**

The ICON 15 requires a 110mm diameter hole through the wall lined with a 100mm internal diameter duct.

The **ICON 30** requires a 110mm diameter hole through the wall, counter bored 160mm to a depth of 80mm. The hole should be lined with a 100mm internal diameter duct.

The **ICON 60** requires a 160mm diameter hole through the wall lined with a 150mm internal diameter duct.

Ensure all vapour barriers are properly restored.
**Fitting in the ceiling**

When recessing or surface mounting fans in the ceiling, a plywood support (min. 18mm thick) should be mounted between the ceiling joints. Any fixing screws should be fitted through the plaster board into the support.

**Important**

Fans should not be fitted to unsupported plaster board.

**Recessing fans in the ceiling**

The fan should be fitted in the hole, fixed with the screws provided into the support.

The **ICON 15** requires a 110mm diameter hole through the ceiling.

The **ICON 30** requires a 160mm diameter hole through the ceiling.

The **ICON 60** requires a 190mm diameter hole through the ceiling.

Where flexible duct is used the diameter must be maintained.

**Maintenance**

**SAFETY FIRST: ALWAYS ISOLATE THE FAN UNIT FROM THE POWER SUPPLY BEFORE DOING ANY WORK ON THE FAN/MODULE.**

When installed according to these instructions the ICON range is completely safe. The materials used do not constitute a hazard.

**Cleaning**

Fan and ducting should be inspected and cleaned on a regular basis to keep fan performance. The external housing of the fan can be wiped with a damp cloth. Do not use household cleaners containing abrasives. Cleaning of the internal parts such as the impeller should be carried out by using a soft brush. Never clean any parts of the fan assembly by immersing in water or using a dishwasher.

**Warning**

This appliance can be used by children aged 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved. Children should not play with the appliance. Cleaning and user maintenance shall not be carried out by children without adult supervision.

**Fitting in the ceiling**

Surface mounting fans on the ceiling

When surface mounting the ICON 30 and ICON 60, the mounting skirt provided should be used. The mounting skirt should be fixed, with the screws provided, into the support. The fan is then fitted into the hole.

The **ICON 30** requires a 110mm diameter hole through the ceiling.

The **ICON 30** requires a 160mm diameter hole through the ceiling.

The **ICON 60** requires a 190mm diameter hole through the ceiling.

Where flexible duct is used the diameter must be maintained.

**Warranty**

Applicable to units installed and used in the United Kingdom.

Airflow Developments Ltd guarantees the ICON for 3 years from date of purchase against faulty material or workmanship. You can register your warranty on-line (for more information check at 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:

1. has been installed and used in accordance with the fitting and wiring instructions supplied with each unit.
2. has not been connected to an unsuitable electrical supply.
3. has not been subjected to misuse, neglect or damage.
4. has not been modified or repaired by any person not authorised by Airflow Developments Ltd.
5. has not been installed in accordance with latest Building Regulations and IET wiring regulations by a recognised competent installer.

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.

**Best practise recommendations**

**Condensation**

To avoid the backflow of condensation into the fan in ceiling installations it is good practice to fit a condensation trap to the vertical outlet duct of the fan. With thru-the-wall installations fit the duct in an approx. 5° angle down to outside.

**Measurements and commissioning**

The Building Regulations 2010, Statutory Instrument Part 9, §42, imposes a requirement that testing and reporting of mechanical ventilation performance (see Approved Document F1) is conducted in accordance with an approved procedure.

Compliance with this requirement by an assessed and registered ‘Competent Person’ should follow a ‘Best Pracitce’ process and adopt air flow measurement, Method A - The Unconditional Method - using a suitable UKAS certified measuring instrument. Generically referred to as ‘Zero Pressure Flow Meter’ or ‘Powered Flow Meter’.

Further information on this method is detailed in NHBC Building Regulations Guidance Note G272a 10/13 and BSRIA Guide document BG 64/2016.

**Options**

**Optional control modules available for ICON 230V**

<table>
<thead>
<tr>
<th>Part no.</th>
<th>Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>72634503B</td>
<td>PCM</td>
<td>Pull cord (painted only)</td>
</tr>
<tr>
<td>72634501B</td>
<td>TM</td>
<td>Timer (averages 1-30 min)</td>
</tr>
<tr>
<td>72634502B</td>
<td>DTM</td>
<td>Delay timer (2 mins delay, average 2-45 min, pull cord)</td>
</tr>
<tr>
<td>72634505B</td>
<td>HTM</td>
<td>Hardwired timer (averages 0-60min, average 2-45min, pull cord)</td>
</tr>
<tr>
<td>72634506B</td>
<td>PRTM</td>
<td>PIR timer (motion sensor, averages 2-45min)</td>
</tr>
<tr>
<td>72634507B</td>
<td>HTM</td>
<td>PIR with humidity timer (motion sensor, 40-60% RH, average 2-45 min)</td>
</tr>
<tr>
<td>72634508B</td>
<td>25MH</td>
<td>2 speed humidity (low speed or 15 l/s, boost at 40-60% RH, pull cord)</td>
</tr>
</tbody>
</table>

*Not recommended for kitchen applications with ICON 15.

**Measurements and commissioning**

**Installation with flexible ducting**

Where flexible ducting is used the diameter must be maintained and it is good ventilation practice that the ducting is extended to a minimum of 90% its possible length in order to maintain the best possible air flow.

Ensure that flexible duct connections are not over tightened to the spigots.

To maximise the air flow rigid ducting should be used where possible. The fan and ducting should be installed in accordance with the requirements of the Domestic Ventilation Compliance Guide, part of the Building Regulations.

**Choose from optional colour covers**

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<thead>
<tr>
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<th>Covers for ICON 60</th>
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<tr>
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<td>52634503B</td>
<td>52634506B</td>
<td>52634509B</td>
</tr>
<tr>
<td>Sandstone</td>
<td>52634504B</td>
<td>52634507B</td>
<td>52634510B</td>
</tr>
<tr>
<td>Silver</td>
<td>52634511B</td>
<td>52634513B</td>
<td>52634516B</td>
</tr>
<tr>
<td>Chrome</td>
<td>52634514B</td>
<td>52634515B</td>
<td>52634517B</td>
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