The Profile Fan has been developed to reduce the installation costs of roof mounted units by eliminating the need for an upstand. They are simple to install, require no additional flashing and are available in most metal-deck profiles.

There are 2 sizes in the range and these fans are available with axial flow and backward-curved centrifugal impellers.

Typical Applications
Exhausts and supplies air to a wide range of commercial applications such as change rooms, laundries, warehouses and workshops, gymnasiums, bulk goods retail outlets and assembly halls.

Features
- Available with high pressure backward-curved centrifugal impellers and high air flow axial impellers.
- Axial version available as supply or exhaust unit, centrifugal version available in exhaust only.
- Easy to install by simply cutting hole in roof and fixing fan with tek-screws.
- No need for costly upstands and flashing.
- To weather proof simply add a bead of silicon around metal-deck and roof.
- Inlet spigot available for ducted installations.
- Fits onto most metal-deck profiles. See “How To Order” for complete range.
- Lightweight but sturdy construction.
- Can be mounted at angles up to 30°.
- A Relief Air Vent is also available (model PFR30), See page D-10.

Construction
Cowl, base and inlet spigot are made of UV-stabilised plastic, steel components have a corrosion resistant finish. Includes either axial flow or backward-curved centrifugal impellers.

Motors
Type - external rotor, squirrel cage induction motors
Electricity supply - 230V, single-phase, 50/60Hz
Bearings - sealed-for-life, ball
Speed-controllable
See pages O-2/3 for details on these motors

Internal Thermal Protection
Internal Thermal Contacts as standard

Testing
Air flow tests to BS848: Part 1 1980
Noise tests to BS848: Part 2, 1985
**PROFILE FAN SERIES**

**DIMENSIONS**

Model Number | Dimensions, mm | Approx. weight kg | Approx. volume m³
--- | --- | --- | ---
PFA302 | 570 290 640 265 100 | 6.9 | 0.13
PFA304 | 570 290 640 265 100 | 6.5 | 0.13
PFA306 | 570 290 640 265 100 | 6.5 | 0.13
PFC314 | 570 290 640 265 100 | 8.7 | 0.13
PFC316 | 570 290 640 265 100 | 8.4 | 0.13

* Registered trade mark of Bluescope Steel Limited
† Available in New Zealand only

**TECHNICAL DATA**

<table>
<thead>
<tr>
<th>Model Number</th>
<th>Fan Speed rev/sc</th>
<th>Avg. dBA (A) @ 3m</th>
<th>Single-phase Watts</th>
<th>Amps*</th>
<th>Max °C</th>
</tr>
</thead>
</table>
PFA302 | 41 | 55 | 180 | 0.79 | 50 |
PFA304 | 22 | 44 | 90 | 0.41 | 50 |
PFA306 | 16 | 39 | 50 | 0.23 | 50 |
PFC314 | 23 | 48 | 150 | 0.66 | 40 |
PFC316*** | 15 | 42 | 70 | 0.54 | 40 |

* Amperages shown are a guide only, refer to our Sales Department for accurate figures at time of order.
** Not speed controllable

**NOISE DATA**

<table>
<thead>
<tr>
<th>Model Number</th>
<th>In-duct Sound Power Levels Lw dB re 1pW</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>63</td>
</tr>
</tbody>
</table>
PFA302 | 67 | 74 | 74 | 75 | 70 | 67 | 64 |
PFA304 | 66 | 67 | 67 | 63 | 58 | 54 | 49 |
PFA306 | 58 | 64 | 64 | 54 | 47 | 53 | 39 |
PFC314 | 81 | 77 | 69 | 66 | 58 | 58 | 56 |
PFC316 | 78 | 68 | 64 | 60 | 54 | 54 | 48 |

Sound Power Levels shown are for the Inlet Side of the unit.

**IS30P - INLET SPIGOT**

The Inlet Spigot, IS30P, is designed for applications where ducting is required. Care should be taken when installing ductwork as neither the spigot nor the roof unit base is designed for weight-bearing.

Scan the QR Code to view more information online.

© FANTECH 2016

**ROOF MOUNTED FANS** D-65