

PowerLine ULTRA

The quiet achiever

The **PowerLine Ultra** in-line fans produce up to a staggering 30% more air flow than current models, without generating higher noise levels. It features a new and innovative mixed flow impeller with high performance blade geometry.

FANTECH
Intelligent Ventilation

Improved design and performance

The quiet and high performance PowerLine Ultra features a cutting edge mixed flow impeller that has virtually no air redirecting losses and as a result produces a more efficient air flow. The fully optimised and compact design of the PowerLine Ultra creates higher air flow rates without increasing noise levels. This can often result in smaller model sizes meeting the required performance.

Helps reduce noise and energy costs

The high cost of energy and greenhouse gas emissions are a concern to building owners and tenants. Consequently, architects, engineers and developers are constantly searching for ways to reduce the running costs of a building without compromising the comfort of building occupants.

The innovative new impeller of the PowerLine Ultra produces up to 30% more air flow than existing PowerLine models of the same size. Therefore a smaller PowerLine Ultra that consumes less energy and produces less noise could be installed as a viable alternative. In most cases the smaller Ultra unit will produce similar air flows to the standard PowerLine and meet the required specification.

More compact fans are easier to transport and install, and offer continued savings to building occupants through reduced running costs and a quieter environment.



Choice of AC and energy efficient EC motors

The PowerLine Ultra is available in an AC configuration, or can be installed with an EC motor for further savings in running costs.

PowerLine Ultra with the EC motor features fully integrated, infinitely variable speed control which eliminates the need for external VSDs, current overloads and motor phase protection. Optional matching sensors monitor the ambient conditions and provide real time feedback to the fan. The fan's on-board microprocessor then adjusts its speed and therefore modulates the ventilation rate to match the specific requirements of the area. They are a simple "plug and play" system which means installers do not need to have specialised control programing knowledge.



Features

- Produces up to 30% more air flow than existing PowerLine models without generating higher noise levels
- Smaller size units will often meet required performance. This leads to energy savings and less upfront cost
- New and innovative mixed flow impeller with high performance blade geometry
- Available in 7 sizes ranging from 315 to 630mm diameter
- Available with both AC and EC motors
- Can be speed-controlled to improve energy efficiency
- EC models can be run as an independent ventilation source or integrated into most building management systems.
- Robust, yet lightweight galvanised steel construction
- Easy to fit 35mm TDF profile flange connections



Innovative new mixed flow impeller design



Available with AC and EC motors



Typical applications

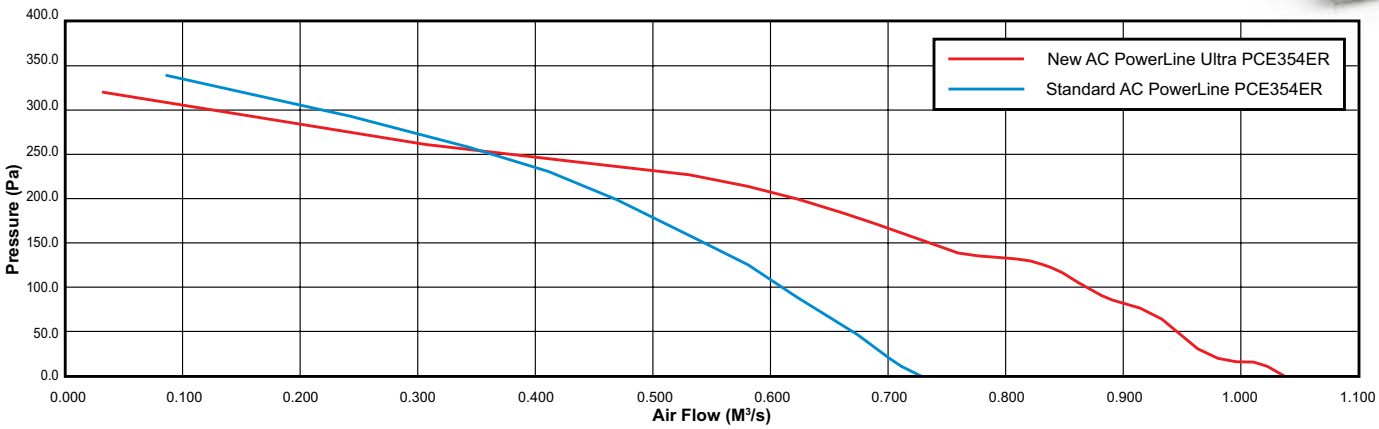
The duct mounted PowerLine Ultra range is designed for supply and exhaust air systems where medium to high air pressure is required. They are suitable for use in a wide range of commercial and industrial buildings such as shopping centres, office buildings, exhibition centres, hotels, health centres, schools and universities.

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Up to 30% more air flow without producing higher noise levels



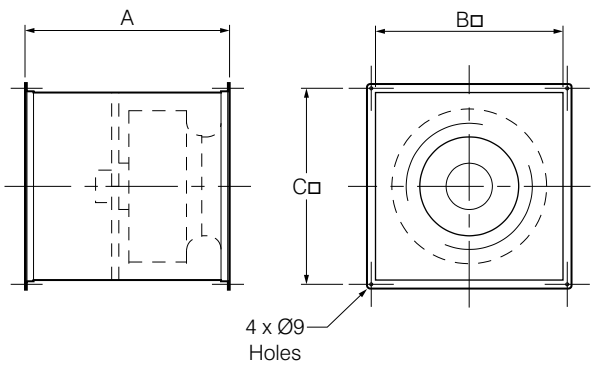
Performance Curve



Tested to the Latest Standards

Air flow tests to ISO 5801:2007 **Noise tests** to ISO 3744:2010

Dimensional Drawings



Case Size	A	B□	C□	App. wt. kg
31.	400	400	433	21
35.	425	450	483	23
40.	450	500	533	30
45.	475	550	583	39
50.	500	650	683	44
56.	550	725	758	60
63.	550	800	833	70

Dimensions in mm

Matching Fantech Ancillaries

EC Range


DCV-CU - Premium Module on-board control pack


Controllers & Sensors


POW - Matching Flanges


FT - Mounting Feet


Vibration Isolators

AC Range


SD - Star/Delta switch


Variable speed drives


VA - Speed controller


POW - Matching Flanges


FT - Mounting Feet


Vibration Isolators

Scan the QR Code for more information

FANTECH
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Fantech Pty. Ltd.

Victoria:	(+61 3) 9554 7845
New South Wales:	(02) 8811 0400
South Australia:	(08) 8294 0530
Northern Territory:	(08) 8947 0447
Queensland:	(07) 3299 9888
Western Australia:	(08) 9209 4999
A.C.T.	(02) 6280 5511
New Zealand:	(09) 444 6266

www.fantech.com.au

For sales enquiries contact:

Specifications and design subject to change without notice.

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