



Inelco Hunter Limited
specialist supplier of electronic components & solutions

ebmpapst

engineering a better life

Fan technology *for the air conditioning and ventilation industry.*

Convince with real values.





First-class performance, *right down to the last detail*

Performance is one of those things. You can only really judge it in relation to something else. Just how powerful is a person, a company, or a fan really? The only way to obtain answers with true value and meaning is to make comparisons, create authentic conditions, and, most importantly of all, to take precision measurements. We at ebm-papst are renowned for doing exactly that. From the

very first and right through to the last stage of development and production. That is how we ensure top quality throughout the entire value chain. We prove our abilities and expertise. And lay a solid foundation for a lasting relationship of trust with our customers who know they can always rely on us and grow with us. Both today and in the future.

It's the benchmark right down to the last detail.

The RadiPac product range is a real complete package: ready for mounting, with control electronics that are perfectly coordinated with the motor and are easy to install and put into operation. The infinitely variable speed control typical of EC motors makes it possible to adjust the fan power to exactly the level required.

Impeller

High static efficiency

- + Innovative geometry reduces flow losses
- + Wavy cover plate for the best possible air flow rate

Low noise emissions

- + Optimum outflow characteristics

Low vibration

- + Dynamic balancing reduces bearing load

Robust design

- + Glass-fiber reinforced composite material
- + Permanently high circumferential speeds



Inlet ring

Pre-installed

- + Optimized positioning of nozzle at the factory
- + Pressure tap for air flow control as standard

Low losses

- + Optimized impeller inflow



FlowGrid

Reduced noise spectrum

- + Low noise level
- + Dramatically dampened blade passing noise
- + Without loss of air performance or efficiency

Compact design

- + Small footprint
- + Fewer insulation measures

Quick installation

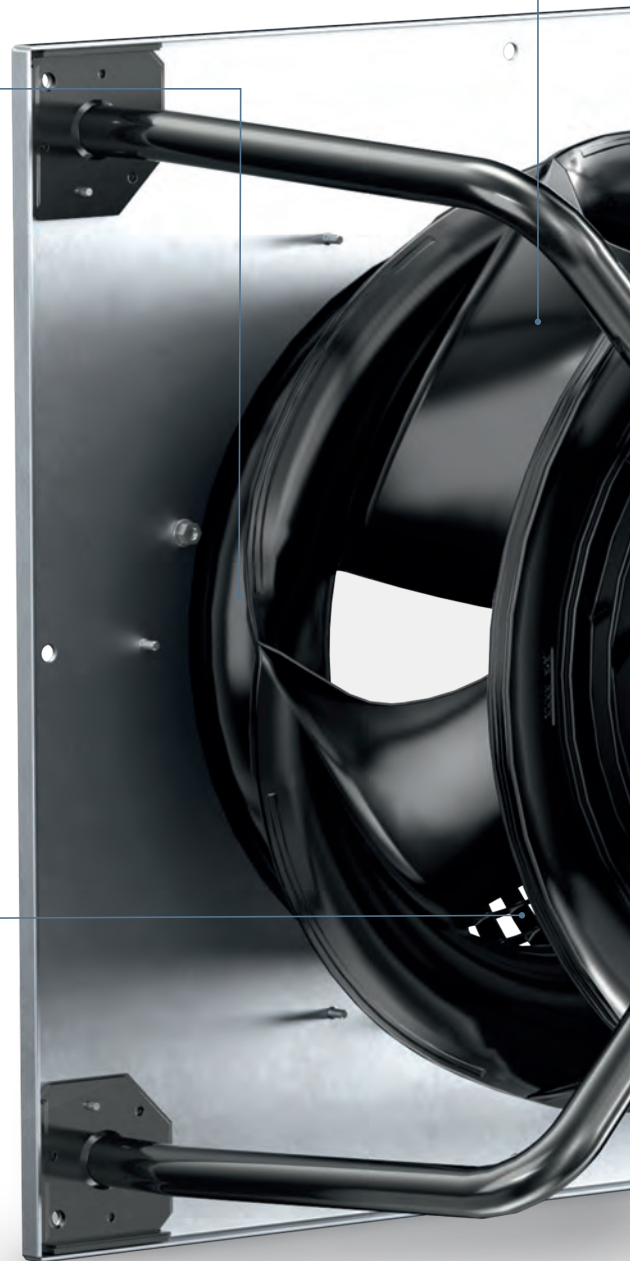
- + Through-holes for easy attachment
- + Customized attachments on request

Robust design

- + Resistant composite material

Guard grill function

- + Optionally as a closed version



GreenTech EC motor

Unbeatably compact

- + Impeller directly on motor rotor

High efficiency

- + Low copper and iron losses
- + Synchronous running prevents slip losses
- + No magnetic hysteresis losses

Economical operation

- + Partial-load operation up to 1:10 at high efficiency

Long service life

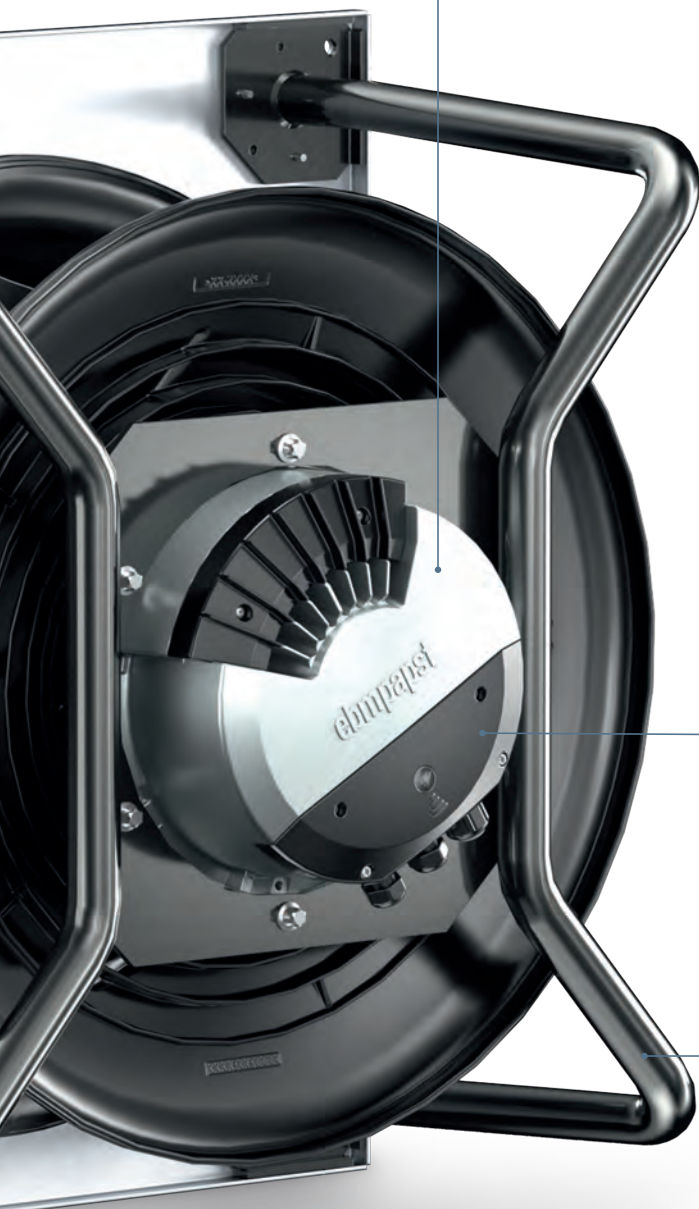
- + Maintenance-free bearings
- + Brushless commutation

Safe operation

- + Insulated bearing system

Sustainable

- + Magnets without use of rare earths



Electronics and connection area

Adaptable

- + Configurable control interface
- + Control signal 0–10 VDC and MODBUS RTU
- + Smoothly adjustable speed
- + Active PFC (power factor correction)

Universally deployable

- + Suitable for 50- and 60-Hz grids

Increased operational reliability

- + Integrated resonance detection
- + Integrated locked-rotor and thermal overload protection
- + Environment-resistant cable glands

Simple commissioning

- + Central terminal area separated from electronics
- + No programming effort



Support plate/support bracket

Robust sheet metal design

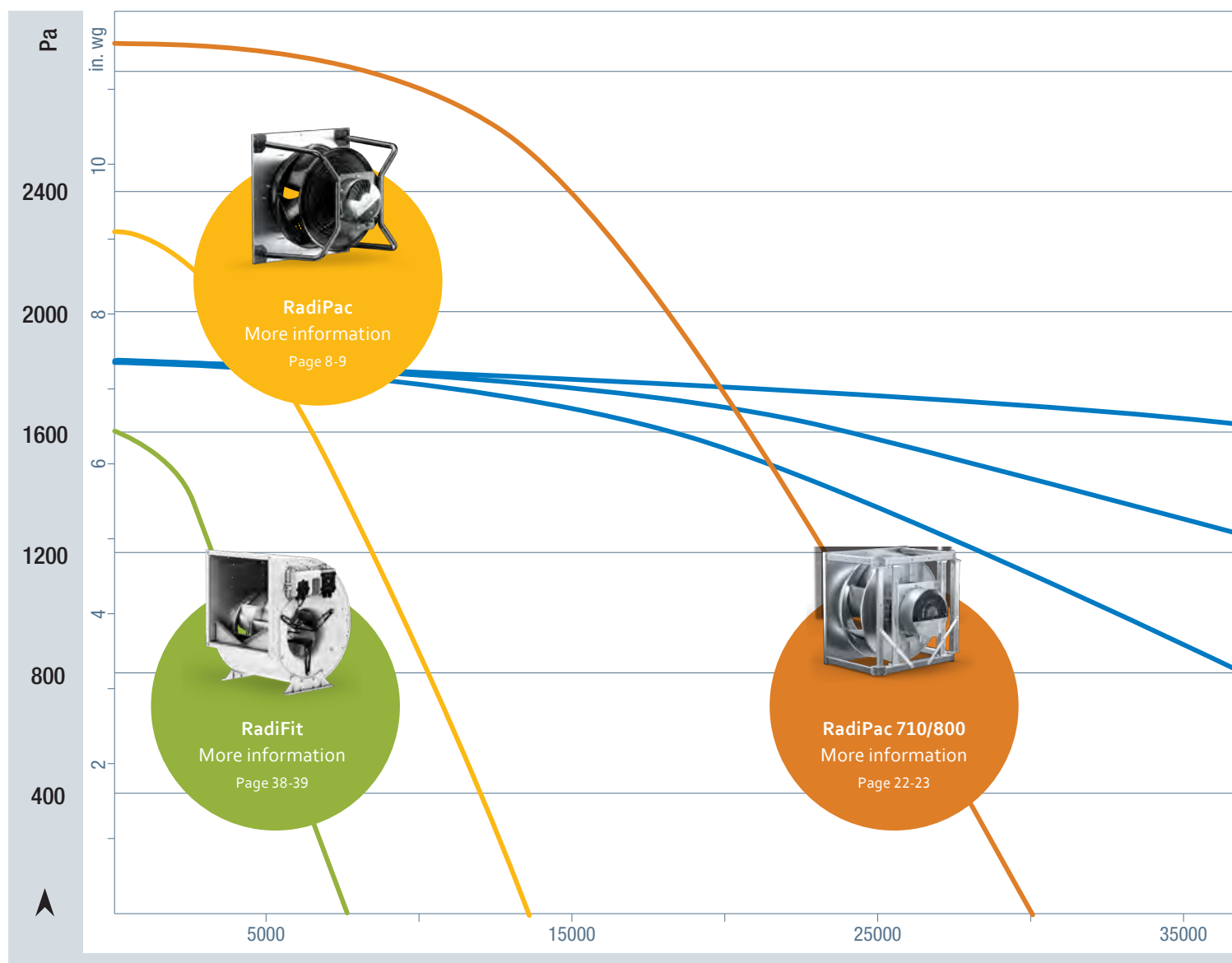
- + Sendzimir galvanized sheet steel

Simple installation in AHU

- + Complete, ready-to-install system
- + Compactness enables new design flexibility



A quick overview.



The RadiPac is the ventilation technology benchmark. These elements set it apart:



Air flows up to 40,000 m³/h and pressures over 2,500 Pa (without FanGrid)



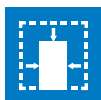
Electronics with configurable control interface for analog and digital signals



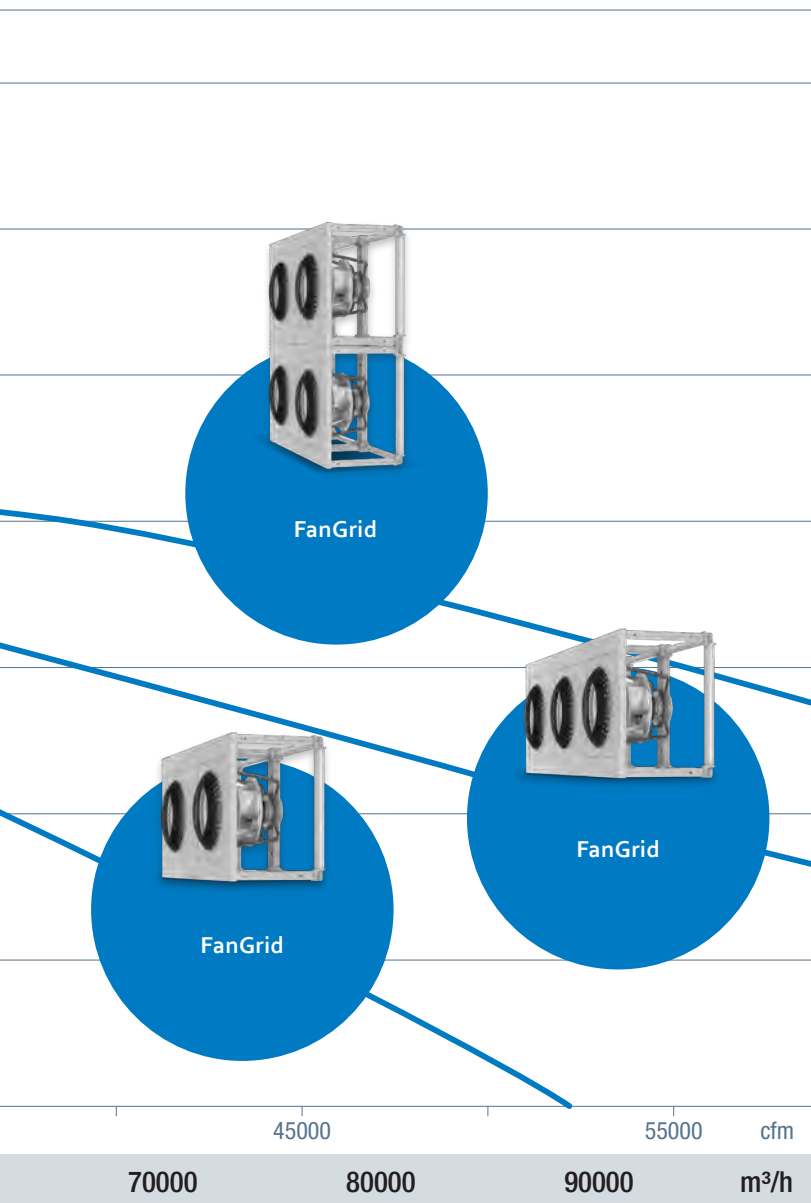
Simple plug & play, as the electronics and motor form a unit and are perfectly coordinated



GreenTech EC motor with an equivalent efficiency level to the IE5 without rare earths



Sizes 250 to 1000



Bring ebm-papst to life –
with augmented reality.

1. Install the app

Install the free ebm-papst Xplore app from the relevant app store. Simply search for the "ebm-papst Xplore app" and download the "Fan technology" module on the app.



2. Scan the images

Point the camera at the images that are marked with this icon and then of we go!



If you have any questions, please contact:

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