

PFP

THE COMPACT LIGHTWEIGHT

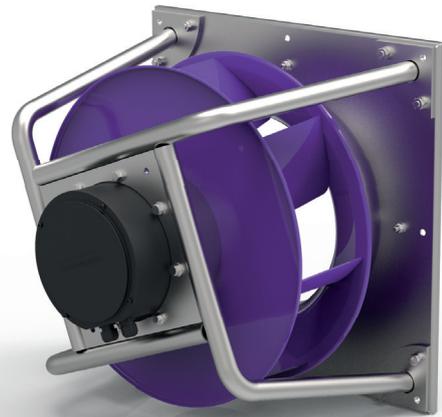
REGAL®

THE COMPACT LIGHTWEIGHT

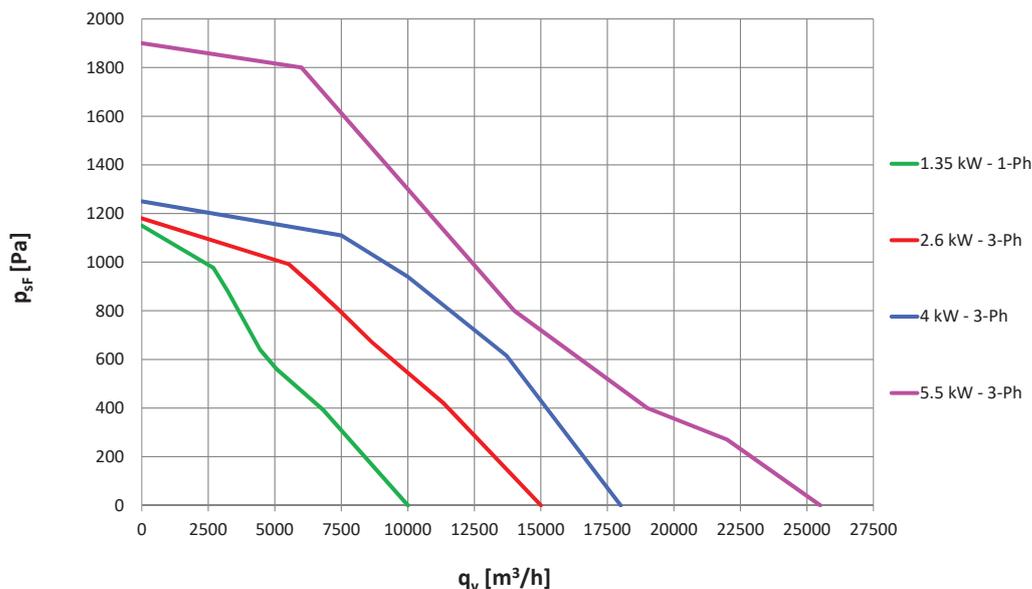
The PFP free-running fan with EC/PM technology complements our ranges of highly-efficient RLM Evo and RQM MultiEvo fans by providing additional performance ranges. An ingenious combination of motor, electronics and specific impeller variants made from high-quality aluminium make the PFP the compact allrounder for applications at low and medium pressures. In comparison with steel and plastic, the material characteristics of aluminium are particularly well suited for the PFP: Aluminium is particularly lightweight and corrosion-resistant, in comparison with steel. It's easy to handle. Imbalances have less of an effect with aluminium, the centre of gravity is better and vibration behaviour is better even in demanding installation situations. This has a positive effect on the service life of the motor and fan. In comparison with using plastic throughout, wall thicknesses are thinner.

THE ADVANTAGES AT A GLANCE

- Compact, lightweight design, making it easy to handle
- High efficiency at low and medium pressures
- Particularly quiet when running
- Specific impeller variants with backward curved blades – with or without hollow blades
- Flow-optimised synergy between the motor and impeller unit

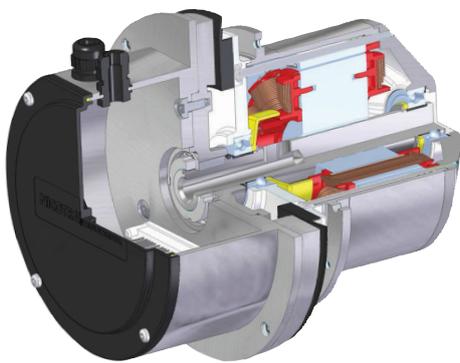


PFP RANGE - PLANNED EXPANSION OF THE PERFORMANCE ENVELOPE



THE MODERN EC/PM DRIVE

- Compact external-rotor motor.
- Efficiency in accordance with IE5.
- Aerodynamically optimised.
- High-efficiency motor with rare-earth magnets.
- Integrated controller.



INTELLIGENT CONTROL

- All single-phase models comply with EMC emission requirements for EN 61800-3 class C1; three-phase models comply with the emission requirements for class C2; both types comply with immunity requirements for class C3.
- Can operate in PID mode, adjusting fan speed to keep the measurement of a system parameter to the desired value, via 2 analogue inputs, and an external transducer.
- Operation at constant flow-rate can be achieved using the PID mode and a pressure transducer, connected with the pressure probe provided on the inlet nozzle.
- Speed control via external voltage signal.
- ModBus / RS485 serial interface.
- 10V and 24V power supply for external transducers.
- Master & slave mode, for stable operation in parallel.

PFP RANGE

Motor \ Size	280	315	355	400	450	500	560	630	710	
1.35 kW / 1 Ph	Available									
2.6 kW / 3 Ph	Available									
4 kW / 3 Ph					Available					
5.5 kW / 3 Ph					Available					

WORLDWIDE LOCATIONS

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APPLICATION CONSIDERATIONS

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