

**NICOTRA||Gebhardt®**

A REGAL REXNORD BRAND



**RDP**

THE EFFICIENT ALL-ROUNDER

**RegalRexnord™**

# THE EFFICIENT ALL-ROUNDER

## THE ALTERNATIVE TO CLASSICAL BELT DRIVES

The high-performance RDP fan is a double-inlet, direct-drive centrifugal fan with backward curved blades. With a combination of integral motor, lightweight aluminium impeller and on-board electronics, it is particularly compact and robust. This makes the RDP the ideal choice when you have to blow directly into a duct, or where you are looking to replace an old less efficient fan with a more energy-efficient product.



## START SAVING WITH THE RDP:

### 1) LOW COSTS FOR INSTALLATION AND SETUP

- No further assembly work.
- Plug and Play electronics don't need configuring.

### 2) LOW OPERATING COSTS

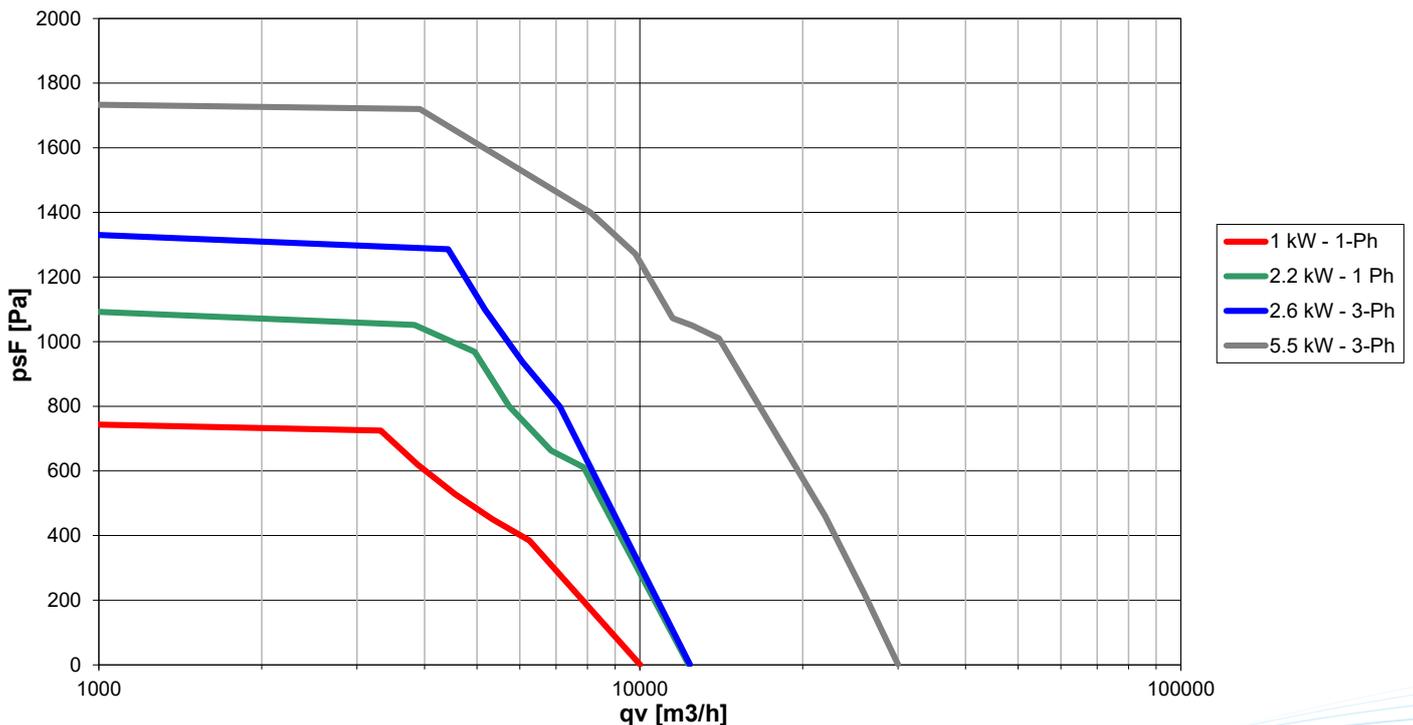
- IE5 EC direct-drive motor.
- No belt losses.
- Streamlined motor installation for optimum aerodynamics.

### 3) LOW MAINTENANCE COSTS

- The belt does not require maintenance.
- Long-life, maintenance-free bearings.



## RDP RANGE - PERFORMANCE ENVELOPE



## TECHNICAL FEATURES

- “One-piece” integrated solution.
- Top rating efficiency.
- Plug and play operation.
- No configuration needed.
- Low noise level.
- High reliability.

## MOTOR AND DRIVER

- Sensor-less control.
- Simple installation due to plug and play.
- Complete drive system IP 55.
- Designed for double inlet fans.
- EMC compliant to IEC 61800-3 requirements, class C1 and low harmonics for 1-Ph models, class C1 or C2 for 3-Ph models.

## INTERFACE

- Analogue interface for speed control.
- Daisy chain connectivity.
- Master-slave function.
- Full MODBUS interface compliancy.

## ENERGY SAVING CONCEPT

- New high efficiency permanent magnet motor.
- New compact and streamlined motor design.
- High intensity neodymium magnets.
- No obstruction of intake flow due to the control unit, which is fitted to the side-plate.
- Low aerodynamic losses through intelligent impeller and casing design.



## RDP RANGE

Drive* \ Size	280	315	355	400	450	500	560	630
1 kW / 1 Ph	In production							
2.2 kW / 1 Ph	In production							
2.6 kW / 3 Ph	In production							
5.5 kW / 3 Ph			In production					

\*) Power values shown are the nominal power of the driver unit installed; the actual maximum power consumption may change between different fan sizes.

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