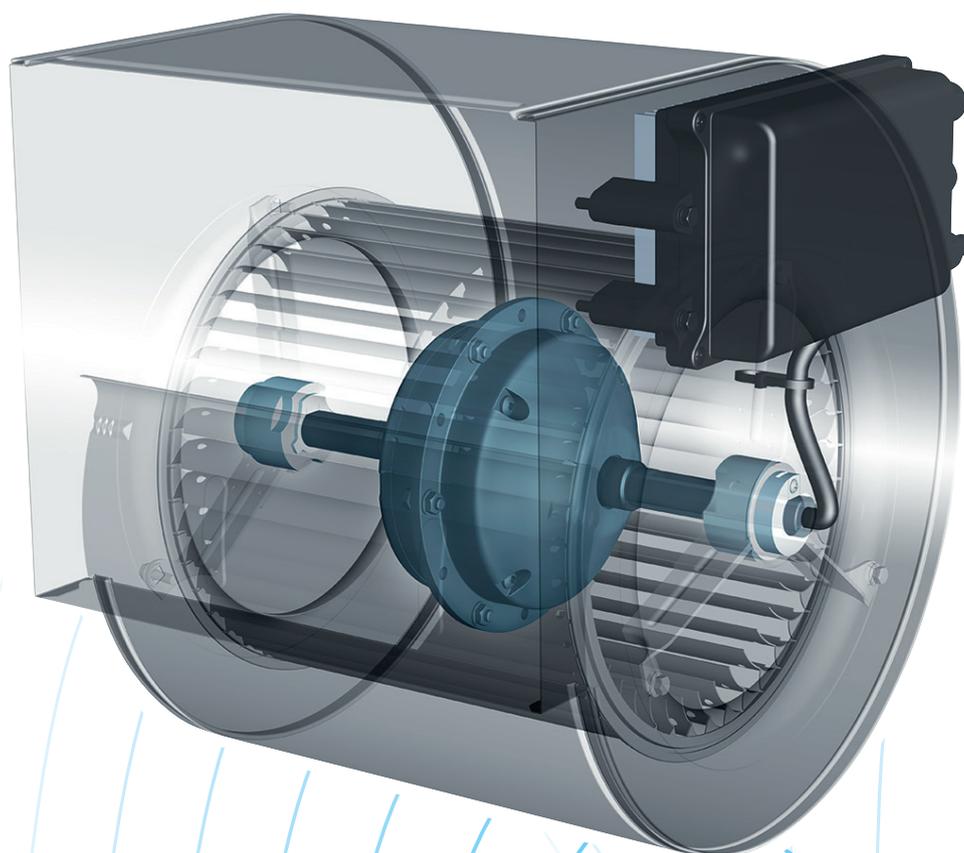


# DDMP

## Compact efficiency





# DDMP - Compact efficiency

## Affordable EC technology for compact fans

DDMP combines the High Efficiency EC technology with a compact fan ideal for application where space is at a premium.

Our new direct-driven centrifugal fan DDMP already exceeds the strict 2015 limits of the ErP Directive and the next 2020 tier.

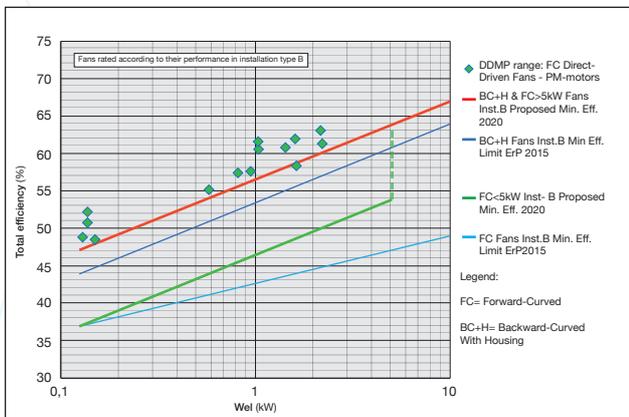
DDMP is built using a specifically designed PM motor combining high electrical efficiency with an optimized aerodynamic shape, perfect for double-inlet fans.

The new Nicotra-Gebhardt PM motors achieve IE5 efficiency levels.

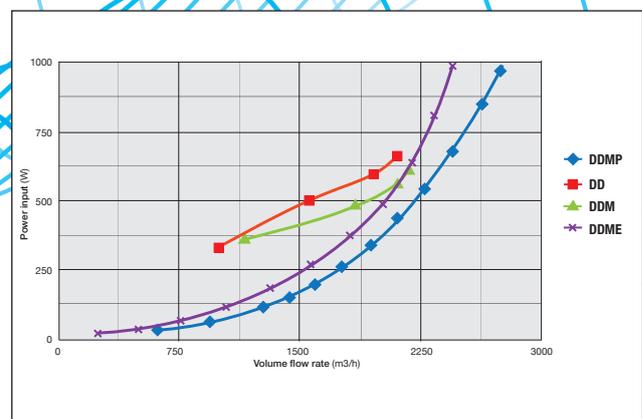
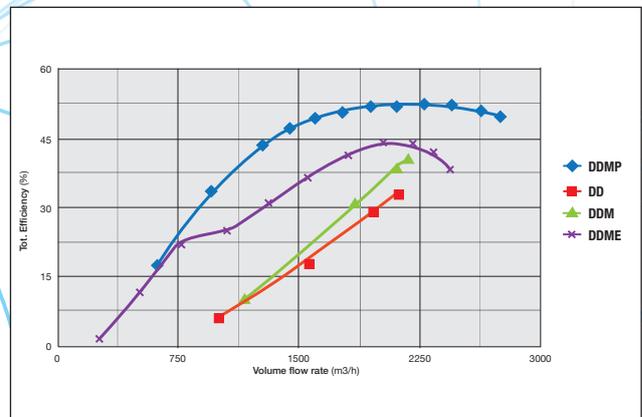
## Low cost of ownership

DDMP is conceived to reduce all the five contributions to the life cycle cost of a fan:

- Purchase cost: engineered for high cost-effective production.
- Installation cost: one-piece, plug and play, drop-in unit.
- Maintenance cost: no recursive belt maintenance of direct-driven solution.
- Energy cost: halves the power consumption compared with old technical solutions.
- Disposal cost: minimum usage of not-recyclable materials.



ErP 2020 is approaching: DDMP is Ready



Effect of changing volume flow rate by adjustment of fan speed using different motor technologies

## Technical features

All fan components are specifically designed to achieve the best integrated product.

- "one-piece" integrated solution.
- top-rating efficiency.
- plug and play operation.
- no configuration needed.
- low sound level.
- high reliability.

## General features

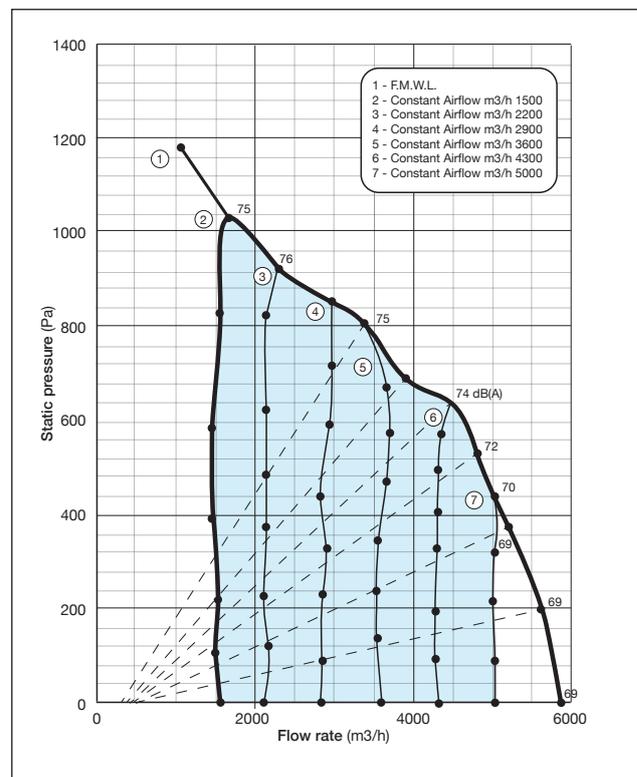
- sensor-less control.
- simple installation due to plug and play design.
- complete drive system IP 54.
- designed for double inlet fans.
- Constant-flow functionality.
- C1 EMC compliancy on all range.

## Interface

- analogue interface for speed control.
- daisy chain connectivity.
- master-slave function.
- full MODBUS interface compliancy.

## Energy saving concept

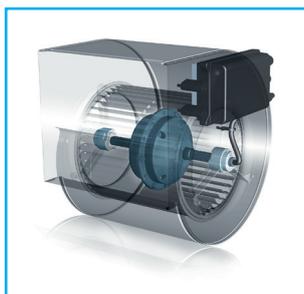
- new high efficiency permanent magnet motor.
- new compact and streamlined motor design.
- high intensity neodymium magnets.
- no obstruction of intake due to built-on control unit - less aerodynamic losses.



Example of constant-volume automatic control

# EC- and permanent magnet motors for all applications

Direct driven centrifugal fans DDMP with permanent magnet motor



Direct driven centrifugal fans RDP with permanent magnet motor



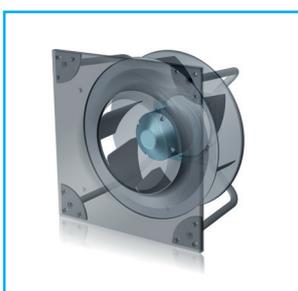
Direct driven centrifugal fans RZM with permanent magnet motor



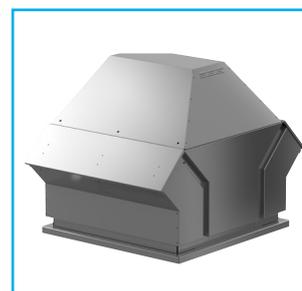
Plug fans RLM with permanent magnet motor



Plug fans PFF with permanent magnet motor



Roof extract fans RDME with permanent magnet motor



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Master of the winds

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