


EC Centrifugal Fans

Product overview



A detailed view of a mechanical component, possibly a motor or pump, with a blue overlay containing text. The component is metallic and features three circular ports on top. The blue overlay is semi-transparent and contains white text.

Unique components for efficient and optimized performance

Carefully selected and designed components that enable the most optimal performance.

EC Centrifugal Fans

280–315 mm

Hidria EC centrifugal fans with backward curved blades designed for various applications.

EC motor family	R10	R14	R14
Diameter	280 mm	280 mm	315 mm
Nominal voltage	230 V	400 V	400 V
Frequency	50/60 Hz	50/60 Hz	50/60 Hz
Power input	350 W	1.000 W	1.000 W
Max. air volume (free air flow)	3.000 m ³ /h	4.200 m ³ /h	4.900 m ³ /h
Protection class	IP54	IP54	IP54
Insulation class	B	B	B
Min. amb. temperature	-35 °C	-35 °C	-35 °C
Max. amb. temperature	+50 °C	+50 °C	+50 °C
Speed control options	0-10V, 4-20 mA, PWM, MODBUS RTU	0-10V, 4-20 mA, PWM, MODBUS RTU	0-10V, 4-20 mA, PWM, MODBUS RTU

■ Compact design

Safe, simple and compact design that enables easy installation and optimal performance of the entire assembly. Compact design does not only enable its balanced performance, but also saves space compared to conventional inverter driven fans.



■ EC motor with integrated electronics

Industry latest speed control options and highly efficient performance of the synchronized motor-electronics combination.



■ Carefully selected components

External rotor motor design allows high efficiency impeller to be installed directly on the rotor. In addition, the entire motor-impeller assembly is supported with the corrosion resistant support brackets and inlet nozzle that offers the most optimal intake and distribution of the air-flow.



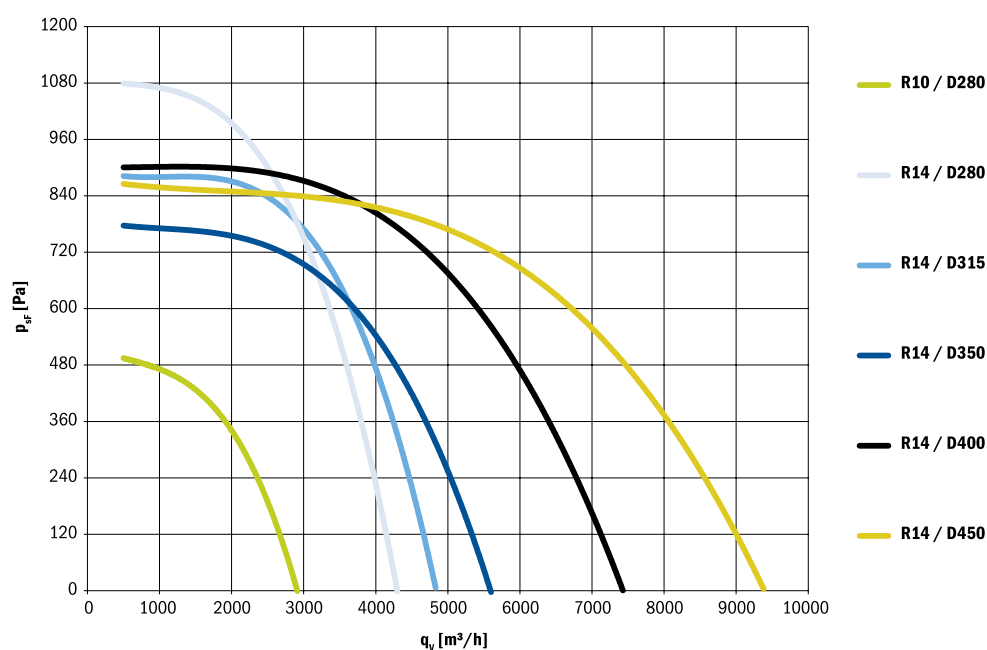
EC Centrifugal Fans

350–450 mm

Hidria EC centrifugal fans offer maximum operational reliability and performance, low operating costs and low environmental pollution through continuous speed control.

EC motor family	R14	R14	R14
Diameter	350 mm	400 mm	450 mm
Nominal voltage	400 V	400 V	400 V
Frequency	50/60 Hz	50/60 Hz	50/60 Hz
Power input	1.000 W	1.500W	1.500 W
Max. air volume (free air flow)	5.600 m ³ /h	7.500 m ³ /h	9.400 m ³ /h
Protection class	IP54	IP54	IP54
Insulation class	B	B	B
Min. amb. temperature	-35 °C	-35 °C	-35 °C
Max. amb. temperature	+50 °C	+50 °C	+50 °C
Speed control options	0-10V, 4-20 mA, PWM, MODBUS RTU	0-10V, 4-20 mA, PWM, MODBUS RTU	0-10V, 4-20 mA, PWM, MODBUS RTU

AD specifications



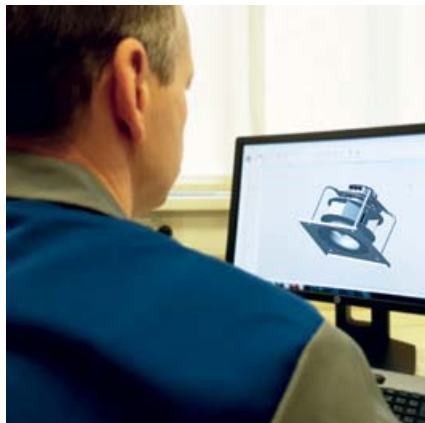
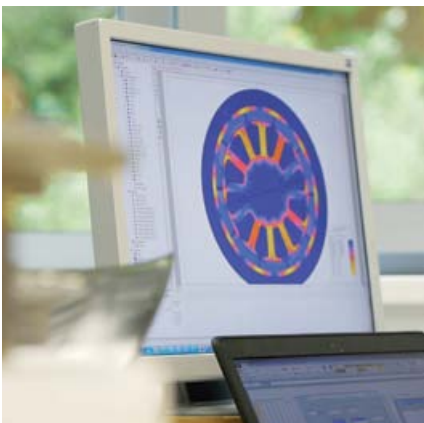
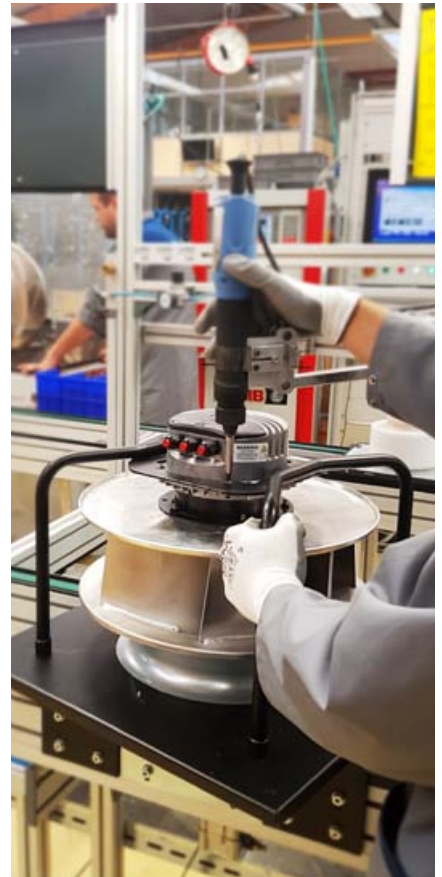
Hidria

quality and innovation assurance

Through more than **45 years of tradition**, the company Hidria Rotomatika has established its process of innovation and quality assurance. With the help of a highly sophisticated and equipped R&D team, we are able to deliver solutions that achieve the most optimal performance for their applications.

As a development supplier, we pay special attention to several factors that play an important role in the production and development of our products. Our solutions are supported by our own R&D staff, laboratories and production facilities, which contribute to the quality of the final product.

Through the development process, we test our fans under different conditions in order to achieve their maximum performance and quality. Field tests are also an important part of this process, during which we run our fans in a test area where they are exposed to harsh environmental influences through the whole year. This way our fans are tested under real environmental conditions.



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