

Hidria Movent

**Axial Fans
product overview**



Innovativeness. Experience. Flexibility.

Hidria fans offer premium acoustic performance and represent a compact, efficient and energy-saving product that is also robust and durable.



reddot award 2014
winner industrial design

EC axial fans

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

EC motor family	EC R09	EC R10	EC R14
Diameter range	Ø 300–450 mm	Ø 400–630 mm	Ø 500–800 (910) mm
Nominal voltage	1~ 230 V	1~ 230 V	1~ 230 V/3~ 400 V
Frequency	50/60 Hz	50/60 Hz	50/60 Hz
Power input range	80–165 W	240–320 W	400–1.200 W
Max. air volume (free air flow)	4.300 m ³ /h	9.000 m ³ /h	18.000 m ³ /h
Protection class	IP54	IP54	IP54
Insulation class	B	B	B
Min. amb. temperature	-25 °C (-40 °C)	-25 °C (-40 °C)	-25 °C (-40 °C)
Max. amb. temperature	+65 °C	+65 °C	+65 °C
Speed control options	0–10 V, 4–20 mA, PWM	0–10 V, 4–20 mA, PWM, MODBUS RTU	0–10 V, 4–20 mA, PWM, MODBUS RTU

Blade designs

Stamped metal



Diameters from Ø 250 mm to Ø 350 mm with stamped and painted blades.

Plastic blades



Diameters from Ø 300 mm to Ø 800 mm. Blades of EC R10 made of plastic PA (polyamide, glass-fibre reinforced) and of EC R14 PP (polypropylene, glass-fibre reinforced).



AC axial fans



Hidra AC axial fans represent an efficient, reliable and cost-effective solution with uncomplicated and proven technology designed for quick and simple installation.

AC motor family	R09	R11	R13	R18
Diameter range	Ø 200-360 mm	Ø 350-450 mm	Ø 400-630 mm	Ø 630-800 mm
Nominal voltage	1~ (110) 230 V/3~400 V	1~ (110) 230 V/3~ 400 V	1~ (110) 230 V/3~400 V	3~ 400 V
Frequency	50/60 Hz	50/60 Hz	50/60 Hz	50 Hz
Power input range	30-170 W	70-450 W	110-1.100 W	920-2.300 W
Max. air volume (free air flow)	3.500 m ³ /h	6.000 m ³ /h	11.000 m ³ /h	25.000 m ³ /h
Protection class	IP54	IP54	IP54	IP54
Insulation class	F	F	F	F
Min. amb. temperature	-30 °C	-30 °C	-30 °C	-30 °C
Max. amb. temperature	+65 °C	+65 °C	+65 °C	+65 °C

Blade designs

Sickled blades



Diameters from Ø 300 mm to Ø 800 mm with stamped and painted Al, Fe or profile die-casted blades.

Preferable for devices with a full bell mouth.

Plastic blades



Diameters from Ø 300 mm to Ø 450 mm. Blades made of plastic PA6 (polyamide, glass-fibre reinforced).

Especially suitable for low-noise devices.

Paddle blades



Diameters from Ø 200 mm to Ø 630 mm with stamped and painted Al or Fe blades.

Preferable for use in devices with a short bell mouth.



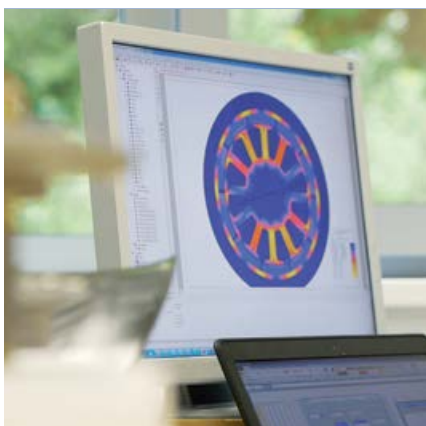
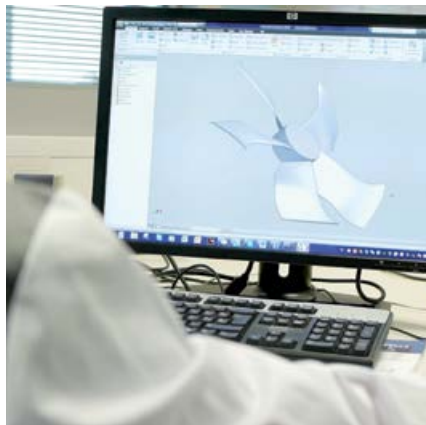
Hidria

quality and innovation assurance

Through more than **40 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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