

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.

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.

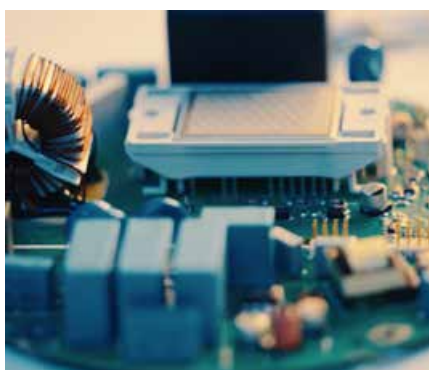
EC motor family	EC R09	EC R10	EC R14	EC R18
Diameter range	Ø 300-450 mm	Ø 400-630 mm	Ø 500-800 (910) mm	Ø 630-1000 mm
Nominal voltage	1~ 230 V	1~ 230 V	1~ 230 V/3~ 400 V	400 V
Frequency	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz
Power input range	80-165 W	240-320 W	400-1.200 W	2.900-3.100 W
Max. air volume (free air flow)	4.300 m ³ /h	9.000 m ³ /h	18.000 m ³ /h	35.000 m ³ /h
Protection class	IP54	IP54	IP54	IP55
Insulation class	B	B	B	155
Min. amb. temperature	-25 °C (-40 °C)	-25 °C (-40 °C)	-25 °C (-40 °C)	-35 °C
Max. amb. temperature	+65 °C	+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	0-10 V, 4-20 mA, PWM, MODBUS RTU, NFC

■ Blade designs

Plastic blades



Diameters from Ø 300 mm to Ø 910 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
Diameter range	Ø 200-360 mm	Ø 350-450 mm	Ø 400-630 mm
Nominal voltage	1~ (110) 230 V/3~400 V	1~ (110) 230 V/3~ 400 V	1~ (110) 230 V/3~400 V
Frequency	50/60 Hz	50/60 Hz	50/60 Hz
Power input range	30-170 W	70-450 W	110-1.100 W
Max. air volume (free air flow)	3.500 m ³ /h	6.000 m ³ /h	11.000 m ³ /h
Protection class	IP54	IP54	IP54
Insulation class	F	F	F
Min. amb. temperature	-30 °C	-30 °C	-30 °C
Max. amb. temperature	+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 **50 years of tradition**, the company Hidria 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.



Sales and distribution:

AUSTRALIA AND NEW ZEALAND

BEIJER REF AUSTRALIA
10/88 Dynon Road
3003 West Melbourne
VIC Australia
T: +613 9371 1300
F: +613 9372 5580
E: info@beijerref.com.au

MIDDLE EAST

NASER AL SAYER & CO. L.L.C.
P.O. Box 1825
Al Maktoum Hospital Road,
Deira, Dubai, U.A.E.
T: 00971-4-2222-471
E: nascomt@emirates.net.ae
www.nasco-uae.com/
refrigeration

ZILAL COOLING & TRADING
EST. P.O. Box 27959 - 11427
Al Ihsa Street,
Riyadh, Saudi Arabia
T: 00966-11-4790340
E: abd@zilalcooling.com
www.zilalcooling.com

EBRAHIM AL-JASSIM SONS
TRADING CO., LTD.
PO Box.102, King Kaled St.
DAMMAM-31411, Saudi Arabia
T: +966 13 8332109 Extn. 111
E: mejassim@al-jassim.com

CHINA

Zhejiang RUIXUE Refrigeration
Equipment Technology Co., Ltd.
No.188 Jiaocang Road,
Ganlin Industrial Zone
Shengzhou City, Zhejiang
Province, China
T: +86 21 54198596
M: +86 173 1715 4744
F: +86 21 5419 8522
E: tiffany.s@shemth.com
www.shemth.com

SOUTH KOREA

DAESUNG MAREF CO., LTD
851-8, Hwasan-ri Ujeong-eup
Hwaseong city Gyeonggi-do,
Korea
T: +82 31 421 8883
E: dsc@dsmaref.com

SOUTHEAST ASIA

Dixell (Asia) Co., Ltd.
2893, 2895 Phattanakan Road
Suanluang 10250,
Bangkok, Thailand
T: +66 2 722 0245-9
F: +66 2 320 2520
E: dixell@dixellasia.com
www.dixellasia.com

BELGIUM

Refritec bvba/sprl
Weiveldlaan 7
1930 Zaventem
T: +32 (0)2 715 24 44
F: +32 (0)2 715 24 46
E: info@refritec.be
www.refritec.be

NEDERLAND

BEIJER REF SUPPORT BV
Westfields 1210
5688 HA Oirschot Nederland
www.beijerref.nl
T: +31 180 751 300
F: +31 180 751 305

SERBIA

FRIGO RADAK COMPANY D.O.O.
Đurđevdanska 20
11000 Beograd, Serbia
T: +381 11 3945577
M: +381 63 318539
E: bobanradak@yahoo.com
www.frigoradak.com

SLOVENIA

EMPOR d.o.o.
Leskoškova 9a,
1000 Ljubljana
T: +386 1 5203820
E: empor@empor.si
www.empor.si

SPAIN

Refrigeration & Climate
Control, S.L.U.
Calle 2A, 7 ; Pol. Ind. Tactica
46980 Paterna (Valencia),
Spain
T: 0034-96-159-49-33
E: direccion@r-cc.es
www.r-cc.es

SWEDEN AND DENMARK

ARMATEC AB
Betagatan 1,
431 49 Mölndal, Sweden
T: +46 31890100
E: info@armatec.se
www.armatec.se



Hidria d. o. o.

Spodnja Kanomlja 23
5281 Spodnja Idrija
Slovenia
T: +386 5 3756 000
E: sales.fans@hidria.com
www.hidria.com



FAN SELECTION

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fanselection.hidria.com

