

Hidria Movent

Fans for Heat Pumps

EC R10
EC R14



EC axial fans that are specially designed to meet the highest acoustic, energy efficient and environmental performances of all air to water heat pumps.

EC R10

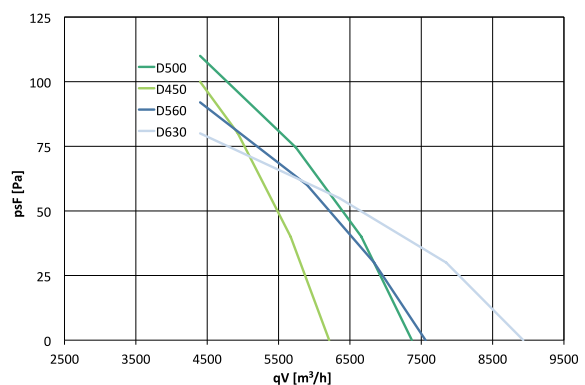
A compact, efficient and energy saving product with premium acoustic performance.



Product specifications:

- Diameter from \varnothing 450–630 mm
- Power range up to 300 W
- Supply voltage: 1~ 200–240 V, 50/60 Hz
- Air volume: up to 9,000 m³/h
- Speed control options: 0–10 V, 4–20 mA, PWM, MODBUS RTU
- Built-in PID controller and active power factor correction unit (PFC)
- High overall efficiency
- Low in-rush current
- Compliant with directives: ErP 327/2011, RoHS, REACH ...
- Compliant with the applicable residential and industrial safety standards (EMC & LVD)
- Working ambient temperatures: -25 °C (-40 °C) to + 65 °C
- Storage temperatures: -40 °C to +80 °C
- High protection class IP 54
- Low operating noise level (innovative blade design)
- Optimized heat distribution (special layout of electronics and additional cooling ribs on the motor housing)
- Long service life expectancy
- Low energy consumption

Basic performance data:



Standard features:

- corrosion level: C3 high;
- double layer painted guard grill;
- inox screws;
- connection options: conn. box or cable out;
- air flow direction: blowing or sucking.

EC R14

The latest hybrid sensor & sensorless motor control with reliable start-up and modular blade design.

Product specifications:

Diameter from \varnothing 500–800 mm (910 mm optional)

Power range: 900 W (1 ph. ver.) up to 1.200 W (3 ph. ver.)

Supply voltage: 1~ 200–265 V, 50/60 Hz with active PFC or 3~ 380–480 V, 50/60 Hz with passive PFC

Air volume: up to 18,000 m³/h

Speed control options: 0–10 VDC, 4–20 mA, PWM, MODBUS RTU

Compliant with directives: ErP 327/2011, RoHS, REACH ...

Compliant with the applicable residential and industrial safety standards (EMC & LVD)

High protection class IP 54

Working ambient temperatures: -25 °C (-40 °C) to +65 °C

Storage temperatures: -40 °C to +80 °C

High overall efficiency

Low operating noise level with innovative sucking/blowing blade design

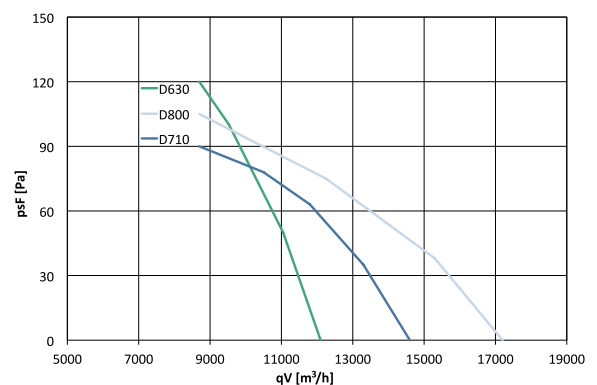
Optimized heat distribution (special layout of electronics and additional cooling ribs on the motor housing)

Long service life expectancy

Low energy consumption



Basic performance data:



Additional features:

- protected motor cover and flange (corrosion level: C5);
- executions for flammable refrigerants (e.g. propane);
- custom colours for the housing, grill, wall-plate and cable glands;
- CW and CCW rotation in a single execution;
- complete customer support (measurements in the customer's applications, consulting on optimal fan installations etc.);
- off shore version on request.



Highly skilled and well equipped R&D team is ready to support your development and production of heat pumps from the early design to final installation.



Hidria

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