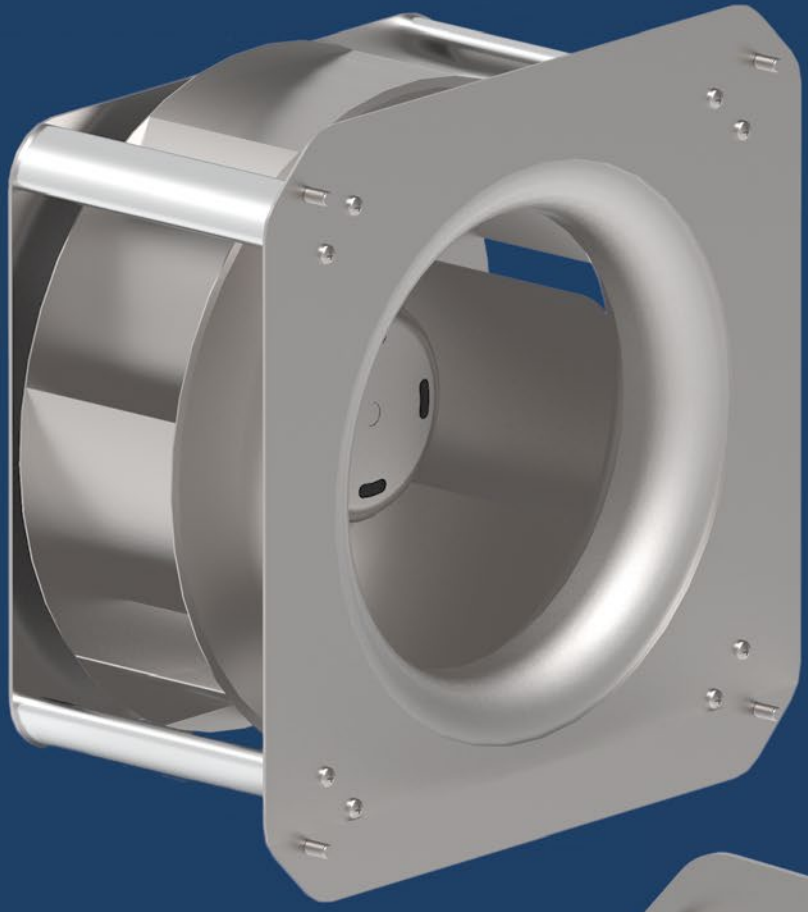
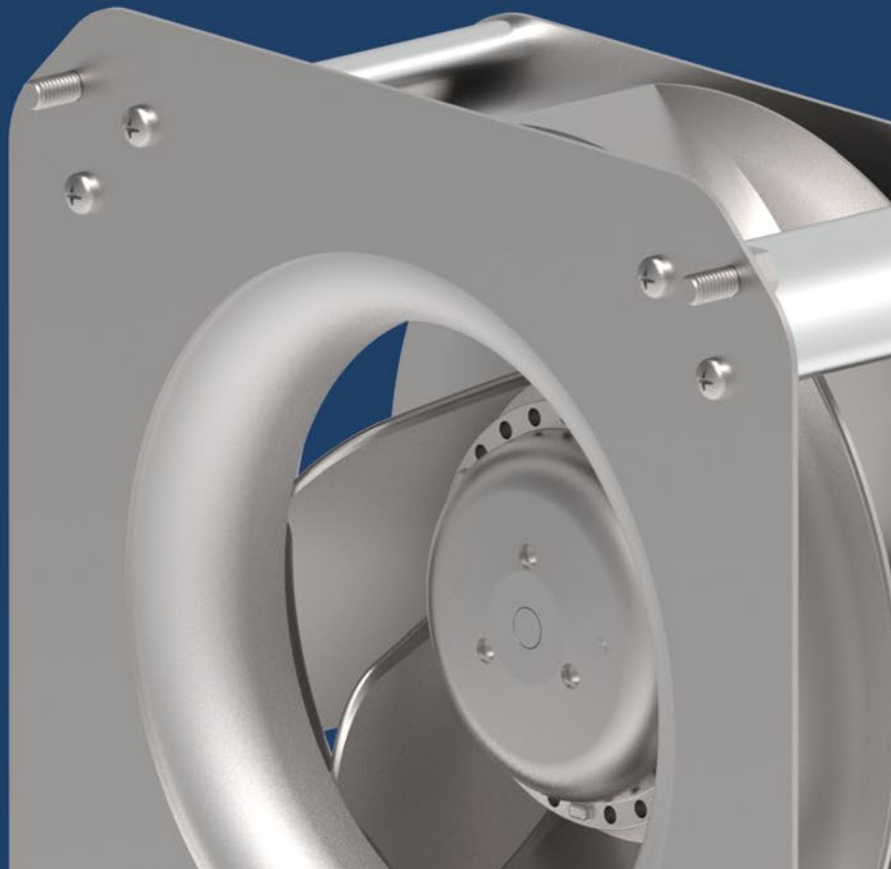
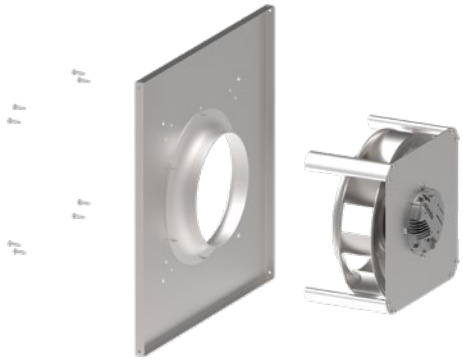
airtècnics

Plug-Fan compact modules
RMAC - RMEC





INDEX



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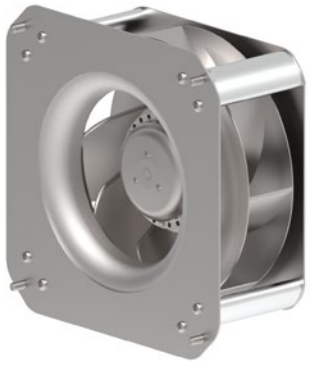
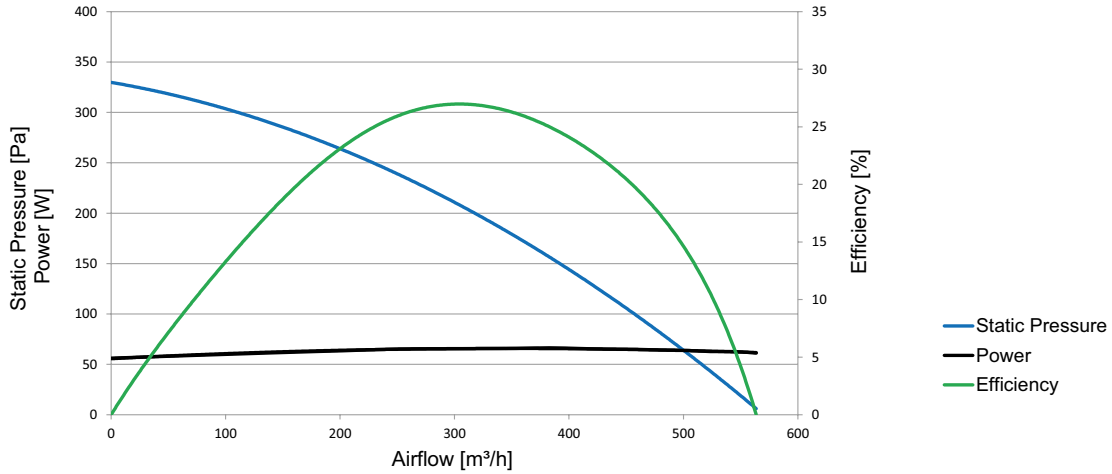


- High efficiency radial back blade fans with robust galvanized steel frame and aluminum profile supports.
- “Plug-fans” prepared to connect directly to ventilation equipment or various applications according to customer needs, facilitating the assembly on the equipment.
- Front fixing panel with integrated suction ring, custom OEM on request.
- Direct connections to the fan.
- Variable speed AC fan through transformer regulation.

Specifications

Model	Tension	Maximum Airflow	Power	Intensity	Speed	Maximum Pressure
	V	m³/h	kW	A	rpm	Pa
RMAC 192x40	1x230V	550	0,070	0,30	2600	330

Performance curve



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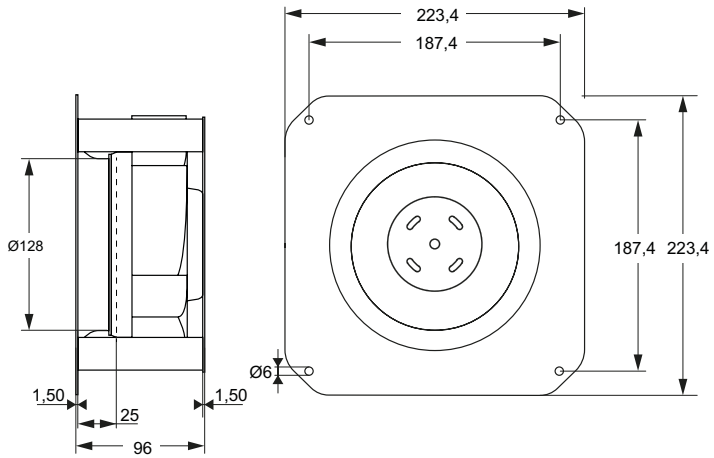

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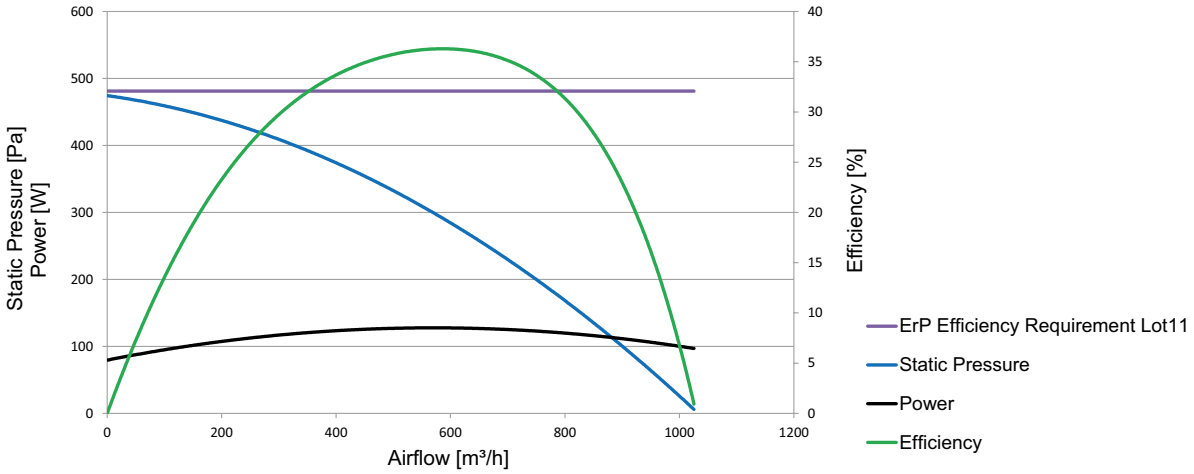
Specifications

Model	Tension	Maximum Airflow	Power	Intensity	Speed	Maximum Pressure
	V	m³/h	kW	A	rpm	Pa
RMAC 225x50	1x230V	1010	0,138	0,58	2735	470

Performance curve



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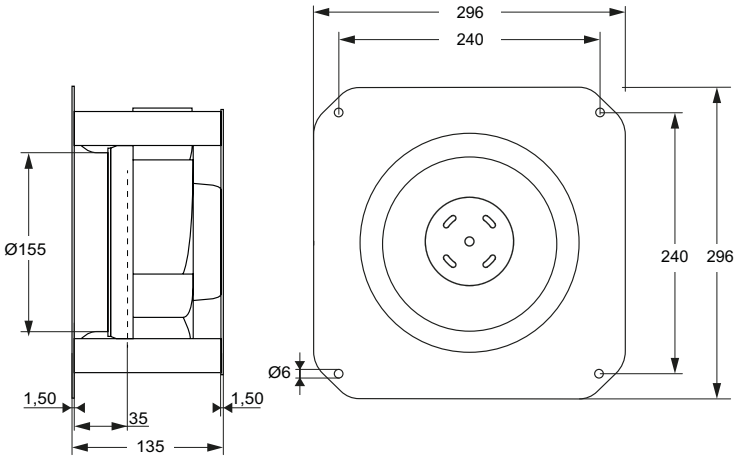

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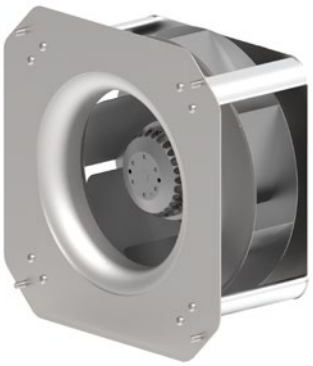

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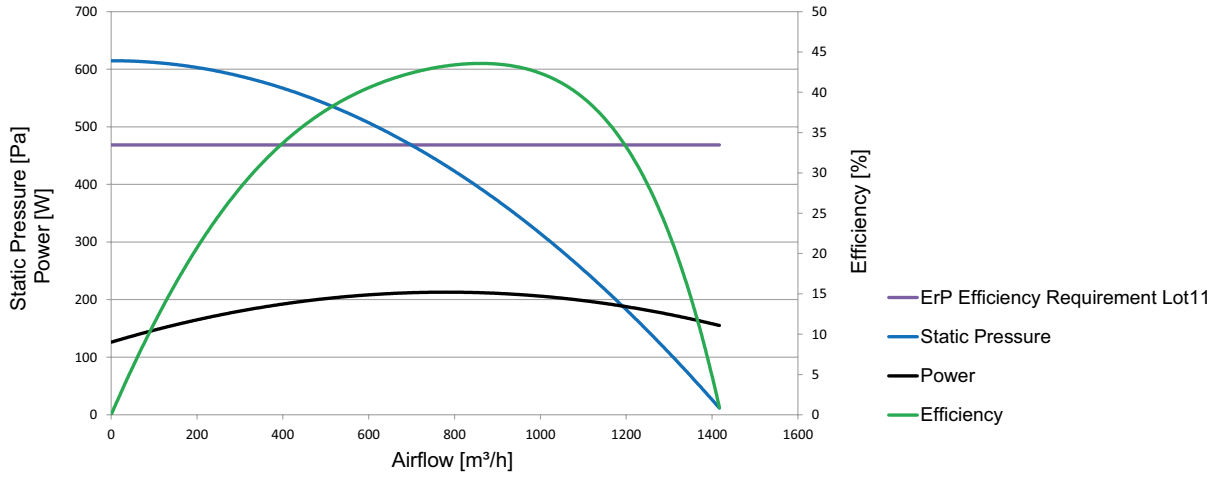
Specifications

Model	Tension	Maximum Airflow	Power	Intensity	Speed	Maximum Pressure
	V	m³/h	kW	A	rpm	Pa
RMAC 250x50	1x230V	1390	0,228	0,96	2780	610

Performance curve



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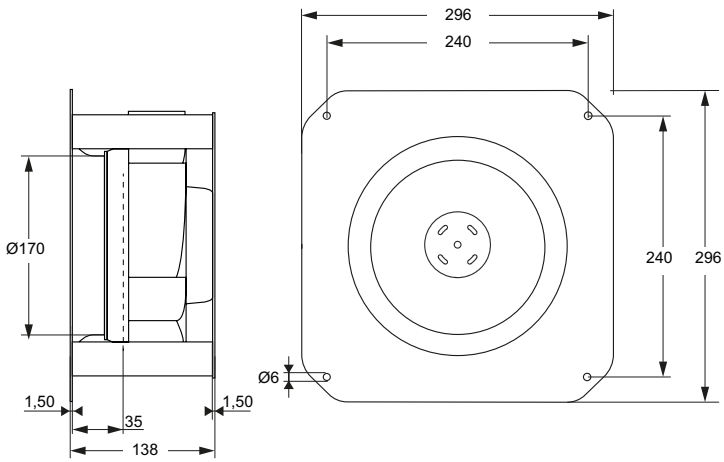

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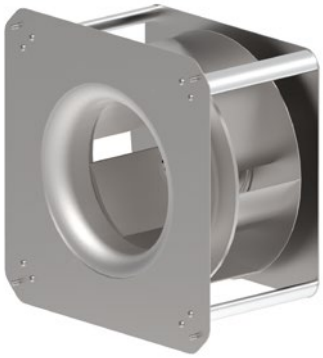

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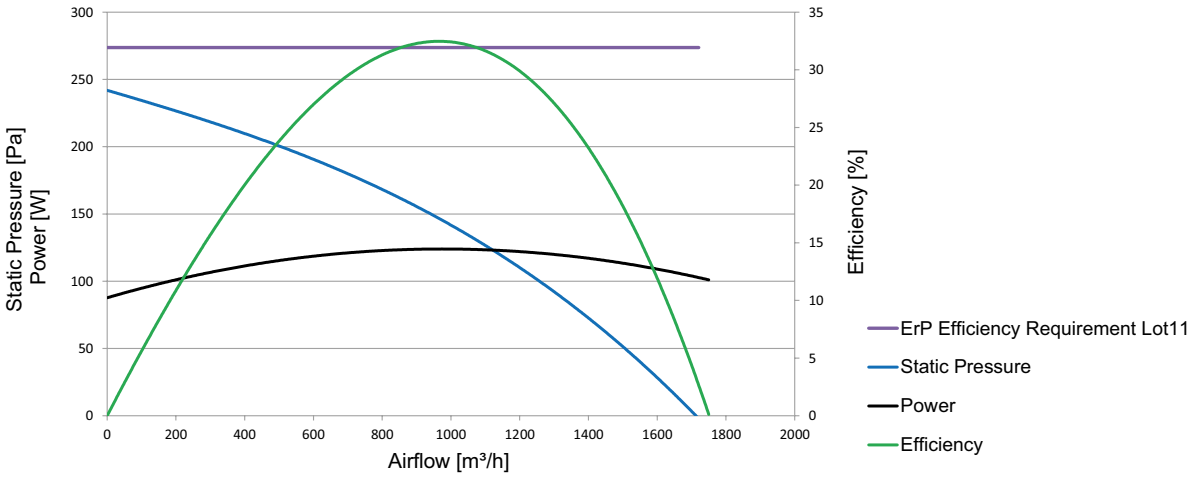
Specifications

Model	Tension	Maximum Airflow	Power	Intensity	Speed	Maximum Pressure
	V	m^3/h	kW	A	rpm	Pa
RMAC 315x101	1x230V	1720	0,125	0,55	1350	250

Performance curve



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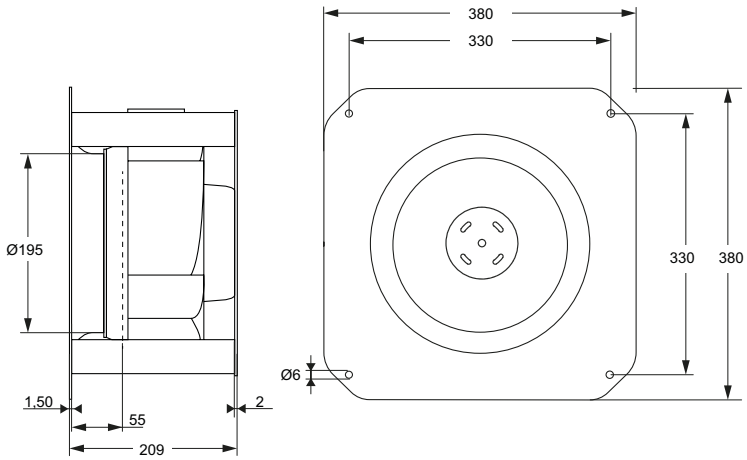

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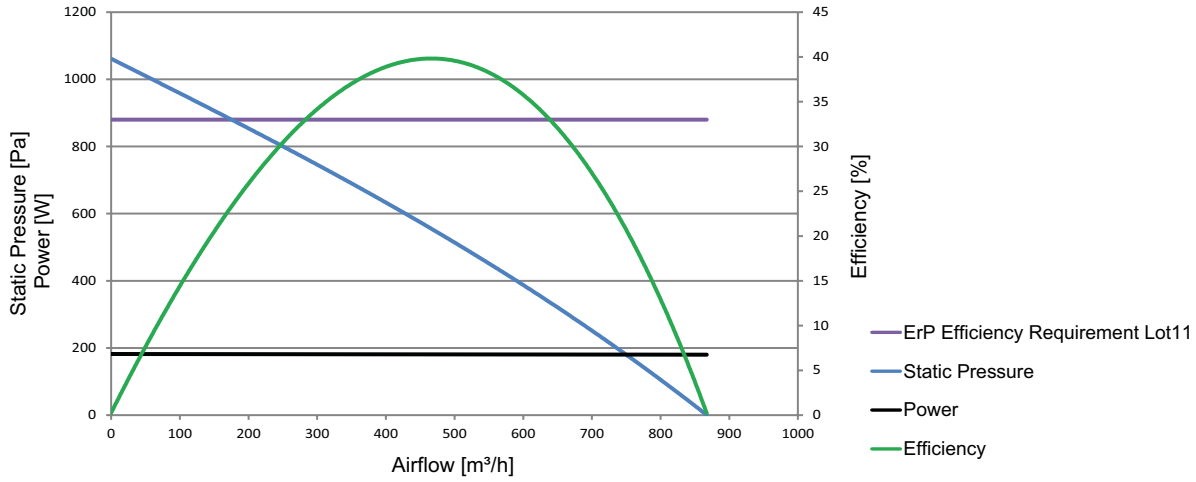
- Front fixing panel with integrated suction ring, custom OEM on request.
- Direct connections to the fan.
- 0-100% variable speed EC fan through electronic regulation via 0-10V signal.

Specifications

Model	Tension	Maximum Airflow	Power	Intensity	Speed	Maximum Pressure
	V	m³/h	kW	A	rpm	Pa
RMEC 192x40 G9	1x230V	867	0,183	1,45	5014	1054

Performance curve



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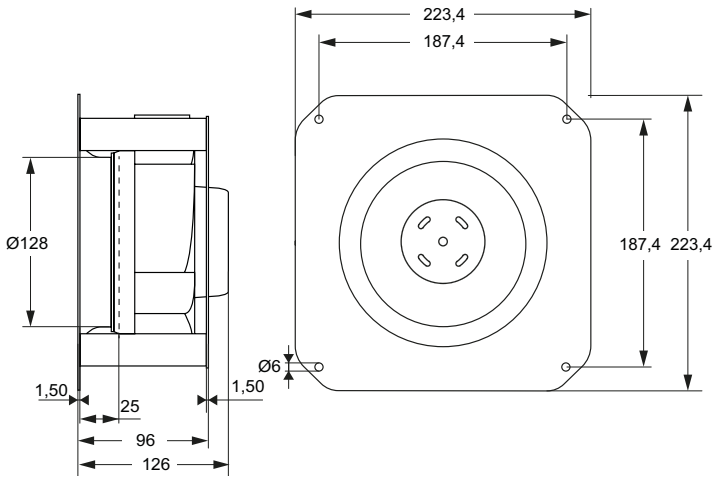

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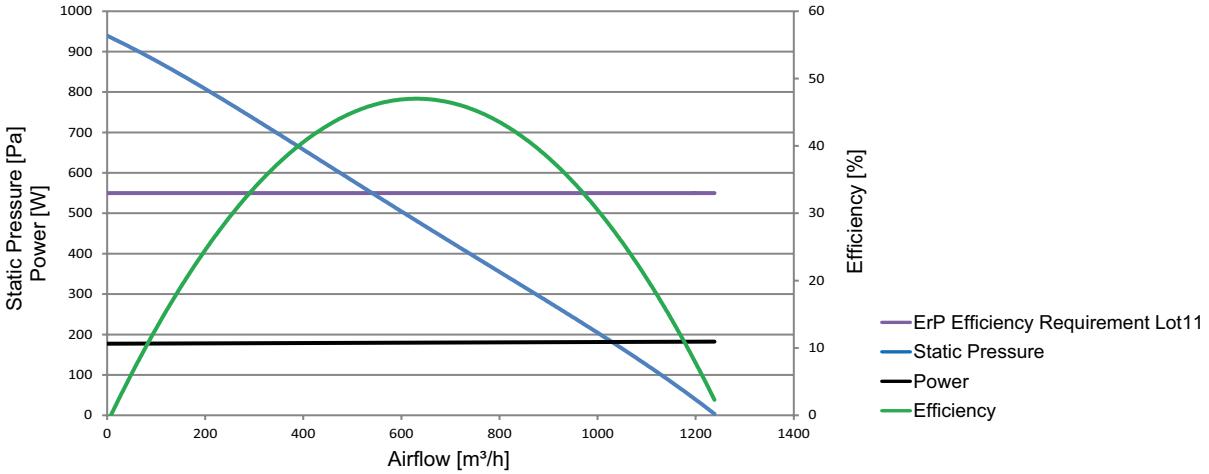
- 0-100% variable speed EC fan through electronic regulation via 0-10V signal.

Specifications

Model	Tension	Maximum Airflow	Power	Intensity	Speed	Maximum Pressure
	V	m³/h	kW	A	rpm	Pa
RMEC 220x45 G9	1x230V	1238	0,184	1,43	3803	936

Performance curve



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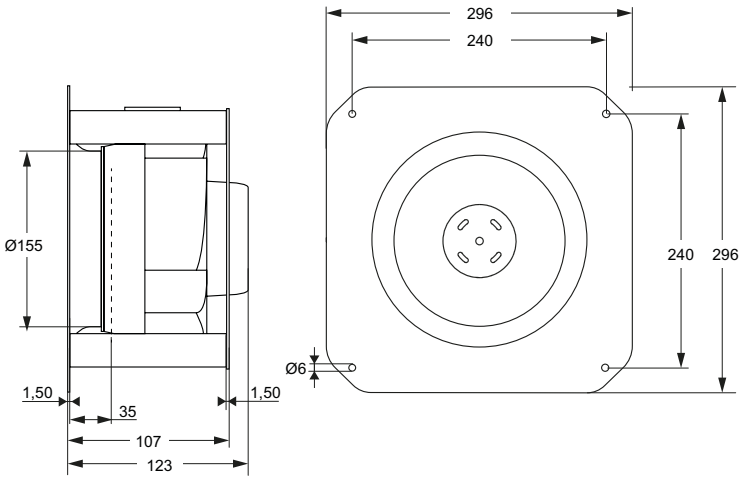

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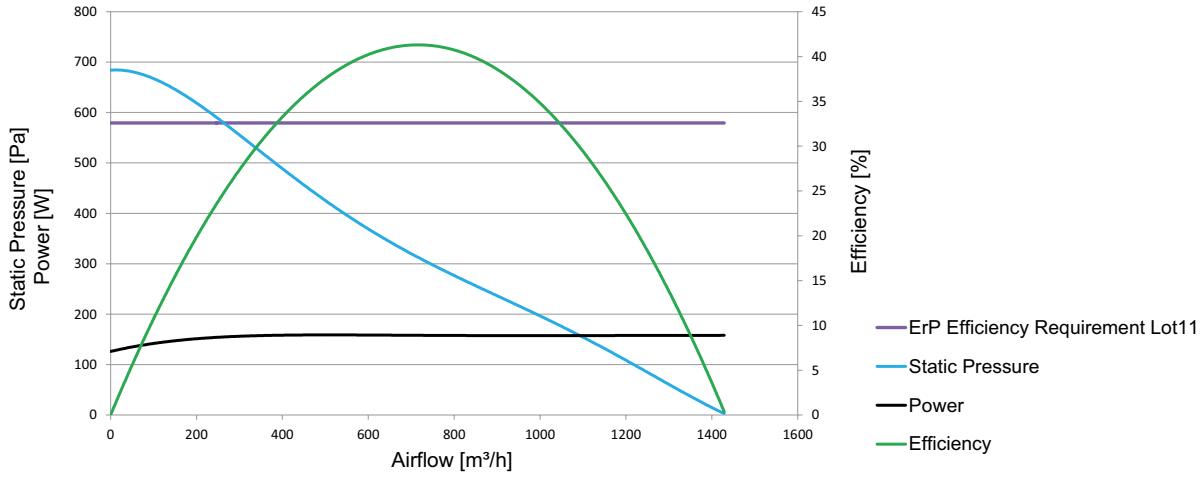
Specifications

Model	Tension	Maximum Airflow	Power	Intensity	Speed	Maximum Pressure
	V	m^3/h	kW	A	rpm	Pa
RMEC 225x63 G9	1x230V	1522	0,187	1,43	3702	915

Performance curve



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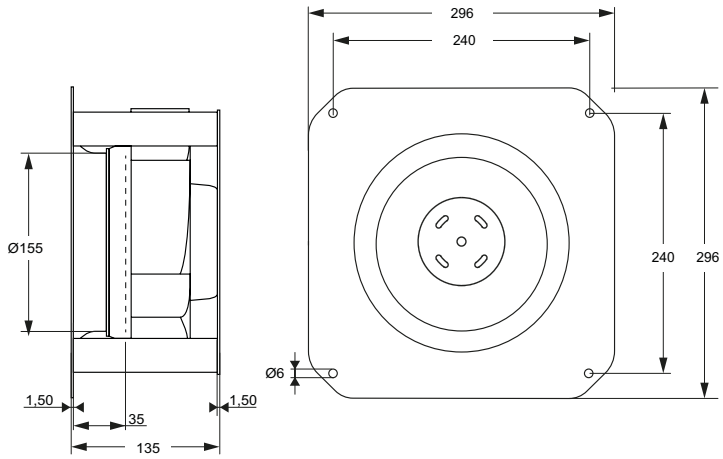
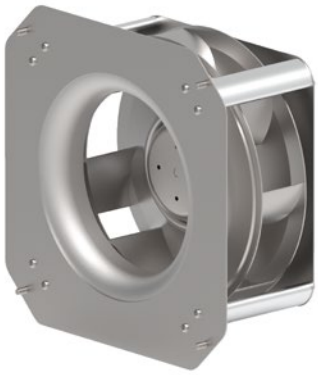


Characteristics



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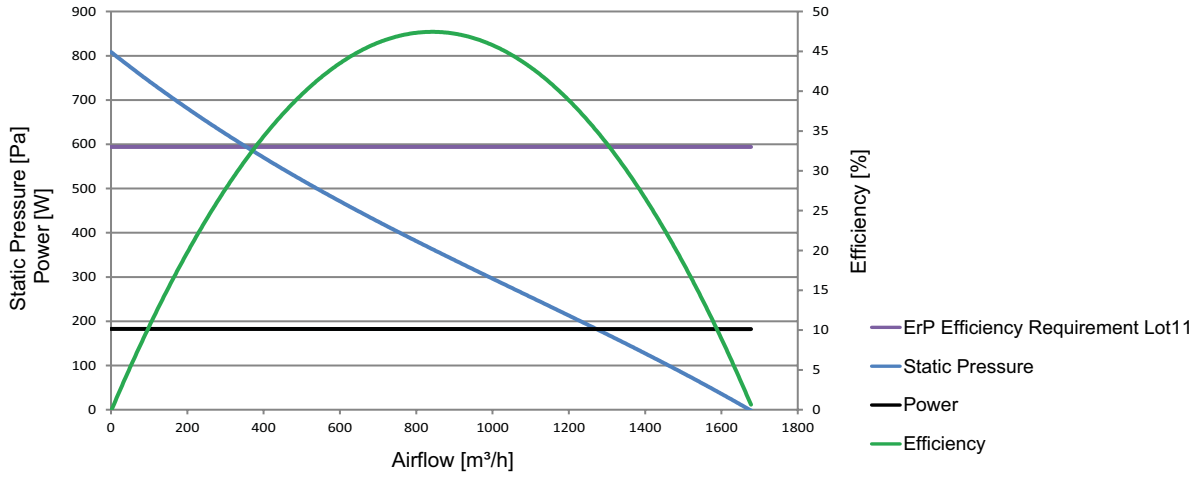
Specifications

Model	Tension	Maximum Airflow	Power	Intensity	Speed	Maximum Pressure
	V	m^3/h	kW	A	rpm	Pa
RMEC 250x50 G9	1x230V	1677	0,185	1,37	3493	809

Performance curve



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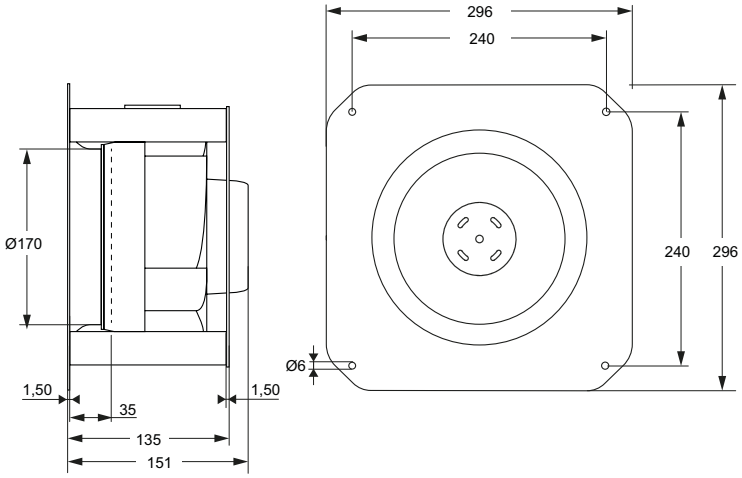

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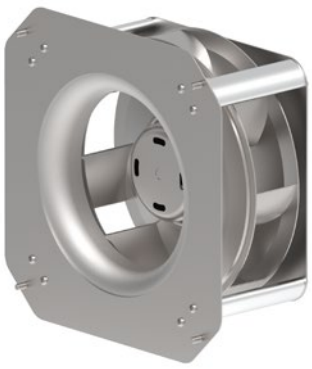

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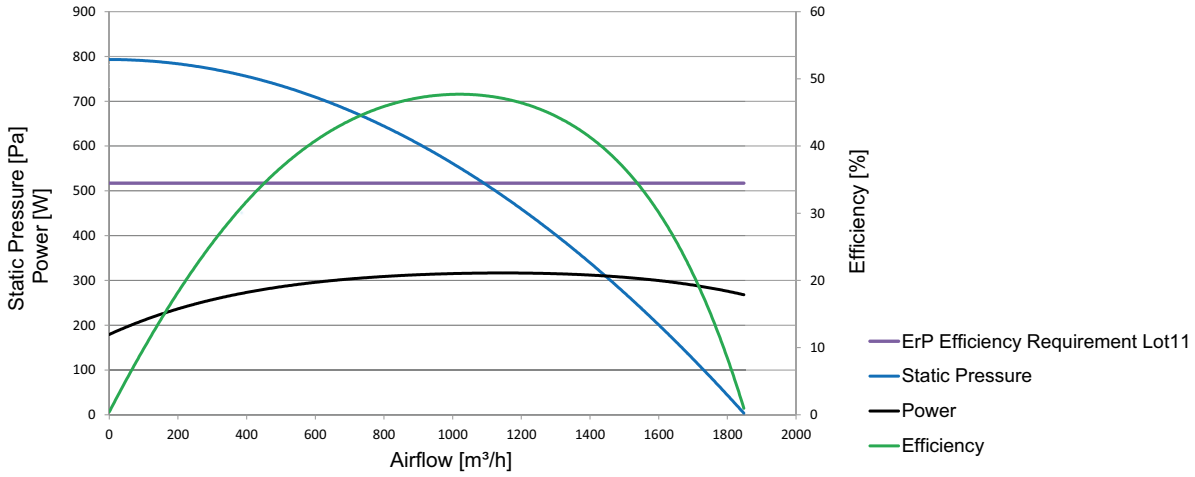
Specifications

Model	Tension	Maximum Airflow	Power	Intensity	Speed	Maximum Pressure
	V	m³/h	kW	A	rpm	Pa
RMEC 250x50 V8	1x230V	1850	0,312	1,35	3410	780

Performance curve



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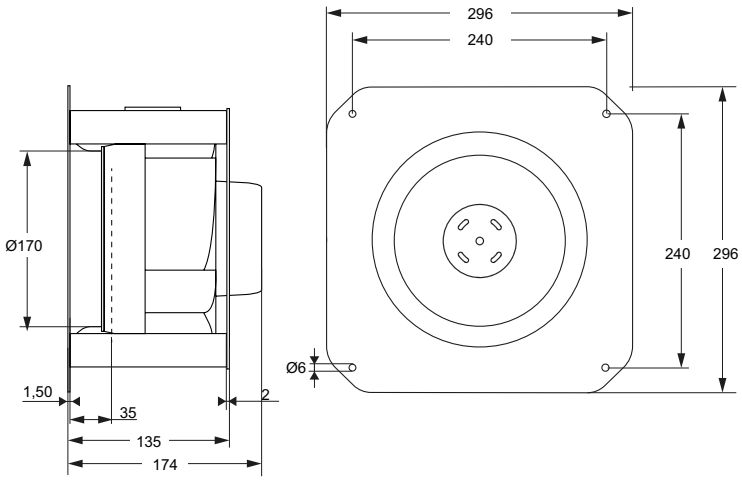
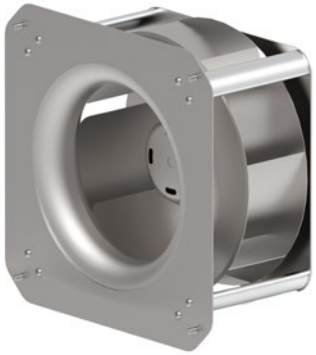


Characteristics



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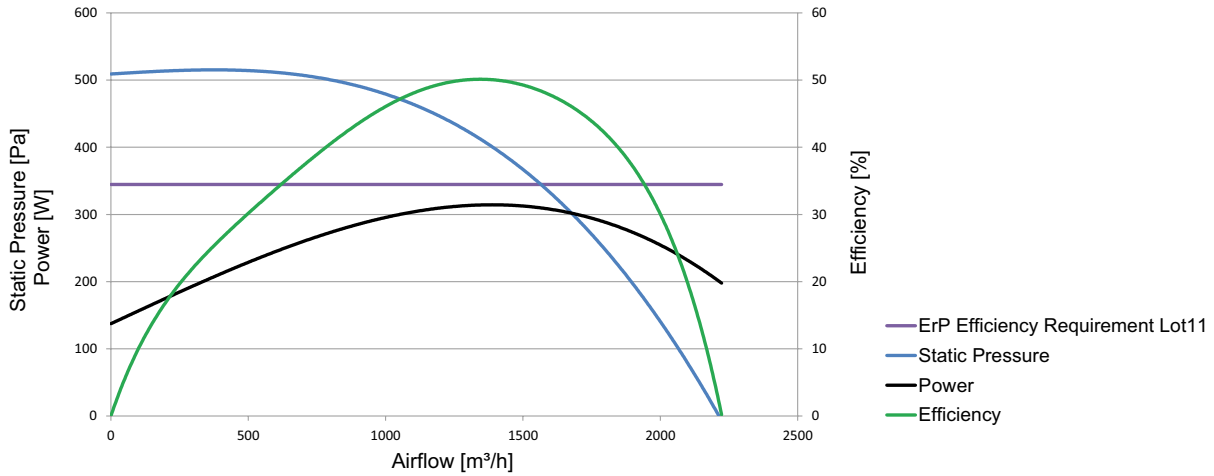
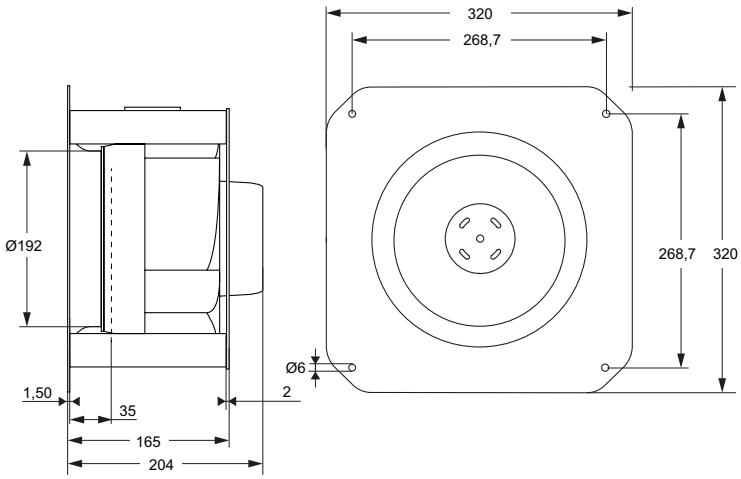
Specifications

Model	Tension	Maximum Airflow	Power	Intensity	Speed	Maximum Pressure
	V	m³/h	kW	A	rpm	Pa
RMEC 280x80 V8	1x230V	2220	0,311	1,33	2310	520

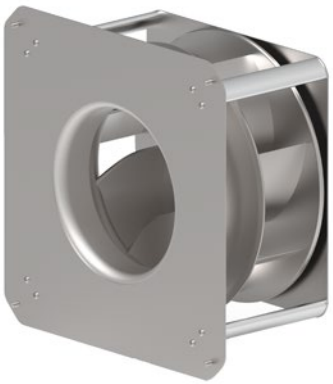
Performance curve



Dimensions



Characteristics



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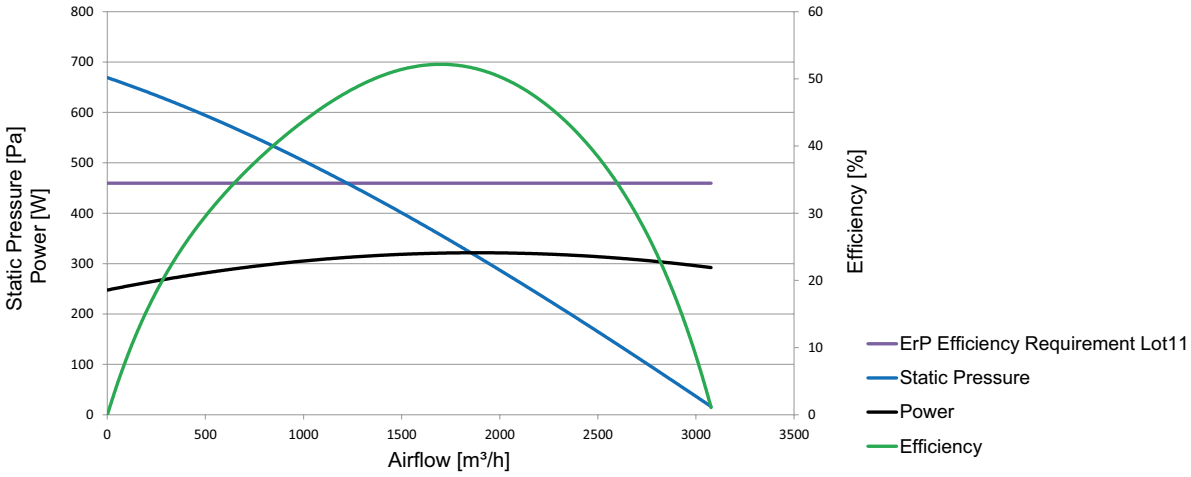
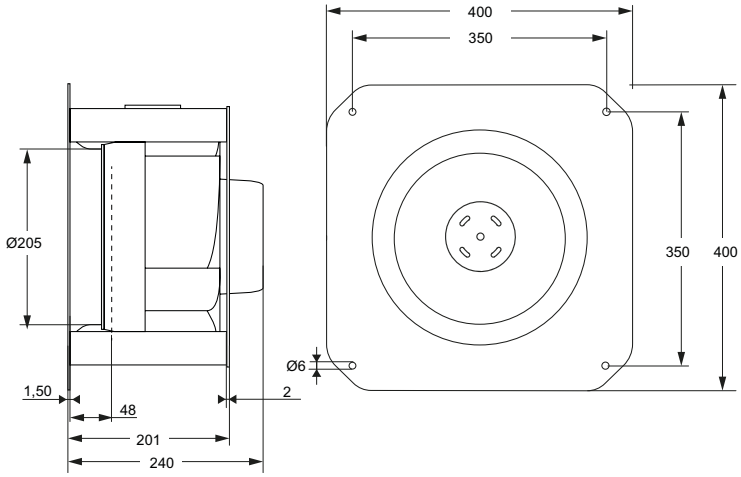
Specifications

Model	Tension	Maximum Airflow	Power	Intensity	Speed	Maximum Pressure
	V	m³/h	kW	A	rpm	Pa
RMEC 337x88 V8	1x230V	3080	0,314	1,34	2230	680

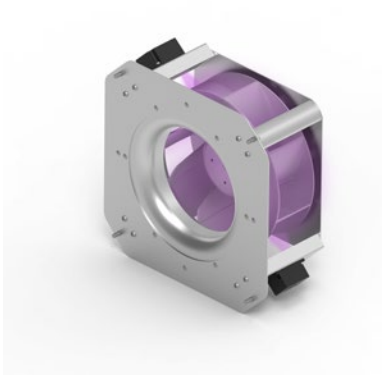
Performance curve



Dimensions



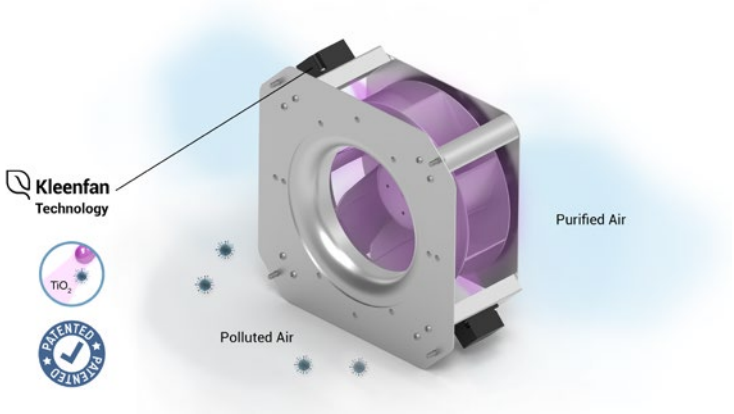
Características

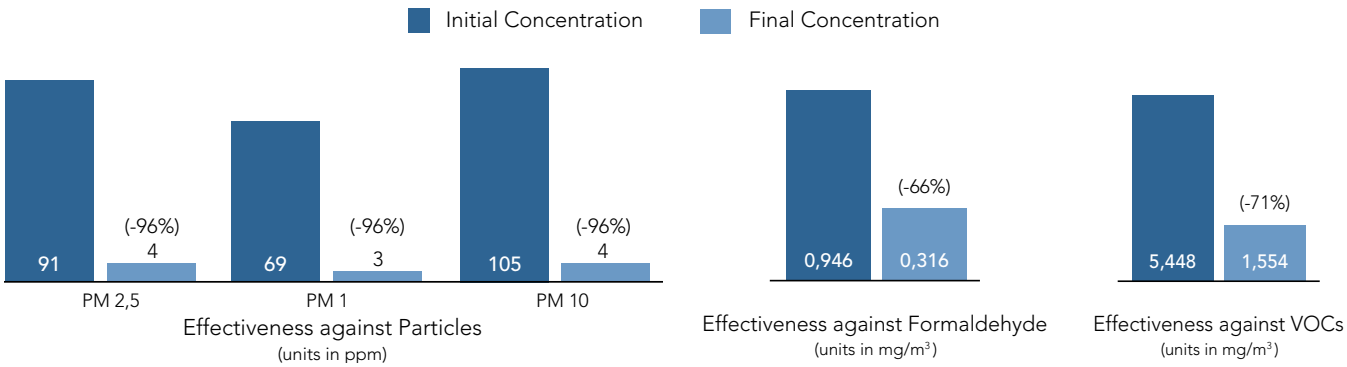


- Kleenfan technology with photocatalytic disinfectant action fans. Available for all catalogue models.
- Photocatalysis starts from the natural principle of decontamination of nature itself. It is a natural phenomenon that, mimicking photosynthesis, accelerates a photoreaction through the action of light on a catalyst.
- UV-A rays, from the long-life LED, act on the titanium dioxide in the turbine generating Reactive Oxygen Species (ROS) that cause advanced oxidation processes (AOP), deactivating a wide range of pathogenic microorganisms (viruses and bacteria).
- This catalytic reaction produces oxidation reactions in organic compounds and
  reduction in inorganic ones, in addition to significantly reducing suspended particles.
- Mineralizes most of the pollutants present in urban areas produced by vehicles and industry (NOx, SOx, COx, formaldehydes, VOCs, etc.).
- Double-inlet EC centrifugal fan driven by an external rotor motor of low consume protected through thermal contact 0-100% variable speed.
- Optional: electronic speed regulator PM6 0-10V.

Test eficiencia

The photocatalytic disinfectant technology has been tested effectively against formaldehydes, volatile organic compounds and particles by the Research Center for Food Safety and Control (CRESCA) of the Polytechnic University of Catalonia.
The Kleenfan test results indicate a substantial improvement in air quality with just one pass through the fan, regardless of recirculation.
They reflect a reduction efficiency of PM10, PM2.5 and PM1 airborne particles higher than 96% with a single circulation through the fan.
Kleenfan reduces volatile organic compounds (VOCs) by more than 70%. Furthermore, this oxidizing technology is perfect for deodorization, with a reduction of more than 65% of formaldehyde, one of the main indicators for the elimination of odours.

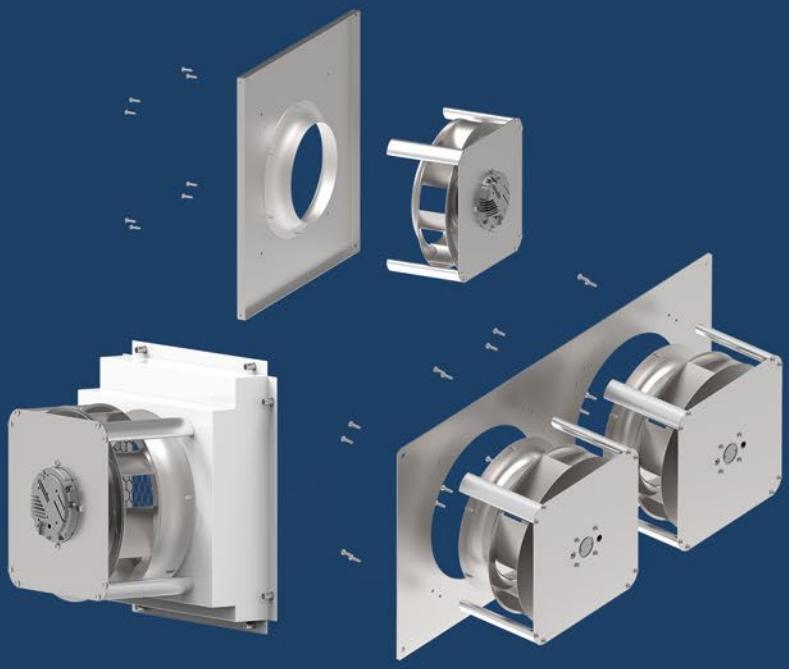




CUSTOM-MADE FRONT PANEL

Fixing front panel with integrated suction ring, customised according to the needs of the project. It is also possible to deliver the module without the front panel to be integrated into the equipment.

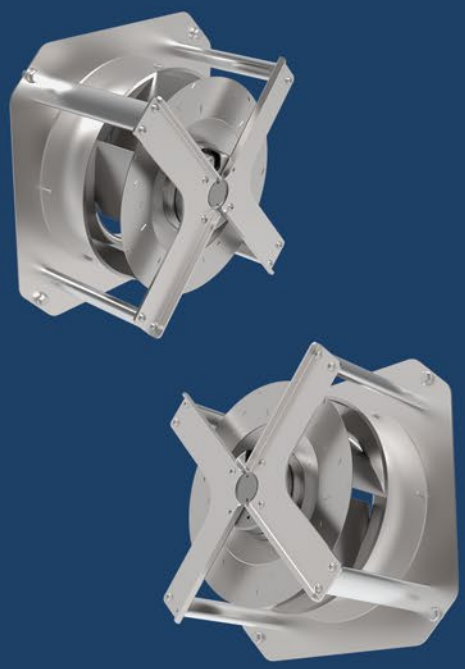
The OEM equipment can incorporate a single module or several modules.



REAR BRACKET IN CROSS

Compact cross-shaped bracket to replace the rear panel. The flow rate of the equipment is the same as the standard panel.

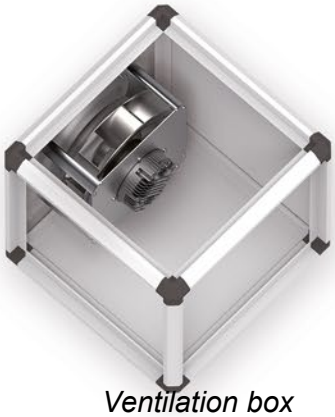
Can be ordered as an optional accessory.



APPLICATIONS

The ventilation modules can be used in a variety of applications in ventilation, filtration or EC FanGrids.

EC FanGrid



Ventilation box

Vertical portable filtration box

Filtration box

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