

° ErP DIRECTIVE

Ecodesign requirements
for fans



DIRECTIVA ErP

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ErP and ecodesign for fans

The Ecodesign framework for energy-related products defines requirements intended to reduce energy consumption and improve the environmental performance of products placed on the European market.

For fans, current EU ecodesign rules apply to industrial fans driven by electric motors within the applicable power range, including fans supplied as standalone products and fans integrated into other equipment. The requirements cover energy efficiency and, where applicable, product information, repairability and the availability of relevant technical data.

Why it matters

A correctly selected fan has a direct impact on the total energy consumption of an installation. ErP requirements help ensure that products placed on the market meet minimum efficiency levels and that professional users can access the information required to compare and validate solutions.

Issue	Description
Scope	Fans are assessed according to the applicable fan type, measurement category, efficiency category and electric input power.
Selection	The selected operating point and configuration are essential for evaluating performance and efficiency.
Documentation	Technical information must be available so that projects can be specified and validated with confidence.
Lifecycle	Current requirements also reinforce resource-efficiency aspects such as access to relevant spare parts and technical information, where applicable.

How Casals supports compliance

Casals Ventilación designs and selects ventilation solutions with efficiency, reliability and application requirements in mind. Our technical and commercial teams can help customers identify the most suitable fan for each project and check the ErP information associated with the selected solution.

As regulations may be amended over time, Casals recommends verifying the latest available product information in Fanware and, when required, confirming the selection with our technical-commercial team.

Fanware: ErP information included

To make technical selection easier, Fanware includes an ErP sheet associated with the selected fan. This sheet displays the main efficiency data and the parameters used for technical validation directly from the selection process.

Typical ErP data available in Fanware

Fanware incorporates an ErP data sheet associated with the selected fan, which displays the main efficiency data and the parameters used for its technical validation.

Depending on the model and configuration selected, this sheet may include information such as:

- Fan type.
- Measurement or installation category.
- Efficiency category.
- VFD requirement.
- Maximum fan efficiency.
- Efficiency grade.
- Absorbed power.
- Airflow at the maximum efficiency point.
- Static pressure / calculation pressure
- Rotation speed.
- Specific ratio.
- Applicable requirement comparison.



This information facilitates the selection of efficient fans and helps to document each project technically in a clearer and more reliable way.

Who benefits from this information?

Engineering consultants and specifiers	They can document the technical selection and support project validation.
OEM manufacturers	They can review the fan data before integrating the product into their own equipment.
Distributors and installers	They can respond faster to customer requests with consistent technical information.
Industrial and end customers	They can compare efficient solutions and make informed decisions for new installations or replacements.

Selecting efficient fans with confidence

ErP compliance should not be treated as an isolated label. The correct selection depends on the fan model, construction, motor, accessories, measurement or installation category and operating point. For this reason, the most reliable approach is to verify the technical data associated with the selected fan.

Casals Ventilación provides customers with selection support through Fanware and through our technical-commercial team. This helps ensure that the proposed solution is aligned with the requirements applicable to each project..

Recommended workflow

1. Define the required airflow, pressure, application and operating conditions.
2. Select the suitable Casals fan in Fanware.
3. Review the ErP information and maximum efficiency point.
4. Download or request the relevant technical documentation.
5. Contact Casals for support in complex applications or when additional validation is needed.

Important note

This document is intended as a general guide to ErP and ecodesign information for fans.

It does not replace the applicable EU legislation, the product Declaration of Conformity or the technical documentation generated for a specific fan selection.

For the latest product data, please consult Fanware or contact Casals Ventilación.



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