

Ready for ErP2020

The European Union has ratified the Kyoto Protocol and has committed to reducing CO₂ emissions with at least 20% by 2020. Energy using products account for a large proportion of the consumption of natural resources and energy in the world. Energy efficiency improvement, like for example more efficient end use of electricity, will substantially contribute to the achievement of greenhouse gas emission targets.



What is ErP?

ErP is an abbreviation for Energy related Products Directive also often referred to as the Ecodesign Directive. The ErP Directive 2009/125/EC established an overall framework for setting Ecodesign requirements for energy-related products. Implementing the overall framework directive, various European Commission Regulations have been adopted for specific products such as fans and electric motors. These Regulations set out the specific Ecodesign requirements for these products.

What is Ecodesign?

Ecodesign is an approach to designing and manufacturing products to minimize the environmental impacts during the whole product life-cycle from manufacturing through use to disposal at the end of the products' life.

Ecodesign for Fans - Regulation 327/2011

Minimum efficiency requirements for fans have been introduced for fans with an electric input power between 125W and 500kW. The minimum efficiency requirements were introduced in two tiers. The first tier became mandatory effective 1-1-2013. The second tier, mandatory per 1-1-2015, is often referred to as ErP2015. These are the current mandatory minimum efficiency requirements.

Next step: A review of the Ecodesign for fans regulation is ongoing by the European Commission and a new tier is expected to be introduced 1-1-2020.

Electric motors - Regulation 640/2009

Minimum efficiency requirements for electric motors have been introduced for 3~ electric motors with a rated output power between 0.75kW and 375kW. Two minimum efficiency levels were introduced, IE2 and IE3. Per 1-1-2017, all electric motors covered by this regulation have to meet the IE3 efficiency level. There is an exemption for IE2 motors: these are still allowed to be used, but only in combination with a variable speed drive. Next step: A review of the Ecodesign for electric motors regulation is in progress. The scope of the regulation is expected to be widened to include 1~ motors and motors with a rated output starting from 125W and up.

How to recognize if fans or motors are ErP compliant?

Fans and motors have to be labeled with the efficiency data according to the regulations. The CE mark can only be applied to products that meet the minimum efficiency requirements. Like any other mark, the CE Mark gets misused.



Conformité Européenne CE Mark

Who verifies that manufacturers and imports are bringing compliant products on the market?

Each member state is responsible for market surveillance. Relevant national authorities take necessary steps to make sure that products are compliant, and apply sanctions when necessary.

Do existing fans or motors have to be replaced?

No, existing fans or motors do not have to be replaced or upgraded.



Chinese Export CE Mark

What about export outside the EU?

Products that are exported outside of the EU are exempted from the European Regulations. However many countries have similar legislation regarding minimum efficiency in place or are working on implementing such legislation.

Fan selector | **Article selector**

Units:

Type:

Market segment:

Product group:

Brand:

Product group	Type	ErP	Deviation (%)
Galvanised Box/Cone	4D130-3PG-55	✔	
Galvanised Box/Cone	4D130-3PG-55	✔	
Galvanised Box/Cone	4D130-3PG-55	✔	
Galvanised Box/Cone	4D130-3PG-55	✔	

Vostermans Ventilation and ErP

Our Multifan and EMI fans are ErP2015 and many already meet the proposed ErP2020 minimum efficiency requirements (note: based on current information, not accounting for changes from upcoming reviews of the regulations). Next to this our motors are IE3 where applicable (3~ and >0.75kW output power).

Vostermans Ventilation values economically, socially and environmentally sustainable production and distribution. Research on energy efficiency is part of our futureproof approach. We are aiming to make a difference, together with customers, stakeholders and business partners. By continuously improving our products and processes we aim to not only meet the requirements, but even outperform them.

If you have questions regarding this topic, please contact our specialists. For the exact data, please check the technical datasheet per fan in our productselector. (www.vostermans.com)

References:

- <https://ec.europa.eu/energy/en/topics/energy-efficiency>
- <https://www.examinechina.com/blog/glossary-of-terms-ce-mark/>

Why choose Vostermans Ventilation:

LOYAL TO YOU

We care for your specific needs based on our long expertise. In close cooperation with you we secure your business outcomes.

RELIABLE

Since our foundation in the Netherlands in 1952, we maintain our reputation as reliable partner. Our carefully selected global network of independent distributors strive to deliver you dedicated service and expertise.

FUTURE PROOF

Our future proof approach, which combines energy efficiency solutions with robust quality and rigorous testing, is based on a genuine commitment to serve as a trusted partner.



YOUR SPECIALIST IN AIR

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