



ErP legislation

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FAQs

What is the timetable for the implementation of the ErP Directive?

All 27 member states of the European Union agreed to the basic conditions of the Directive June 11th 2010, with the Directive for fans embraced in October 2010. The first phase of legislation to affect the fan industry came into effect January 1st 2013, with the second stage following in 2015, phase 3 in 2018 and phase 4 in 2020.

With existing system installations, do these have to be converted?

The ErP Directive does not require existing system installations to be replaced or modified prior to the ErP Directive start date. However, there is a period of time for the changeover of replacement fans, which means that fans that are non compliant with the ErP Directive may be installed as retrofits up to and including 31st December 2014, although with effect from January 1st 2015, these fans will also have to comply with the ErP Directive's requirements.

Does it mean that fans are likely to become more costly through changes in the legislation?

Although the technological advances in fan engineering and design culminate in higher development costs and more sophisticated components, as a consequence of mandatory modifications to the fans, this provides a far higher level of energy efficiency for the fan, which means quicker refinancing of the initial investment in the fan system design over a shorter timescale.

In effect, from Elta fans to the end client, everyone benefits from the cost savings through more energy efficient consumption levels, thereby benefiting the environment through more eco friendly products and a significant reduction in CO² emissions.

Will this mean that Electric Motors are to be affected by the directive?

Very much so, since the ErP Directive affects all those products which consume energy, with the minimum efficiency requirements for electric motors set out in Decree No. 640/2009 whereby, with effect from January 16th 2011, electric motors according to ISO Standard 60034 cannot be less efficient than the 'Efficiency class IE2 level'.

From January 1st 2015 electric motors with a rated output of 7.5kW to 375kW shall not be less efficient than the IE3 level, or shall meet the criteria set with the IE2 level whilst used with a variable speed drive (VSD).

From January 1st 2017 electric motors with a rated output of 0.75kW to 375kW shall not be less efficient than the IE3 level, or shall meet the criteria set with the IE2 level whilst used with a variable speed drive (VSD).

Are there any exceptions within the ErP Directive?

There are exceptions. The most notable being fans used in high specification environmental conditions, in particular ATEX and emergency use only Smoke Extract fans where higher ambient temperature applications are required,

or fans used in transportation applications, such as railway technology are all currently excluded. In addition, the ErP Directive does not have an impact on kitchen hood applications where fans consume power of less than 280 Watts, as well as fans used in clothes dryer applications.

Does the ErP Directive affect fans only?

The ErP Directive is significant legislation in that it affects all products which consume energy in some form or another.

What are the implications of the ErP Directive globally?

At present, the ErP Directive is only obligatory to all relevant components and products that are within the European Union (EU), which includes products that are either manufactured in the EU as well as imports from non EU countries. At this stage, although the ErP Directive does not include products for export outside the EU, it is envisaged that other non EU countries will take up these legislative issues.

If I want to know more, then who do I contact?

Elta Fans would like to think we are easily accessible to our customers, one way or the other. To contact us, whether this be a general enquiry, or a specific question on the ErP Directive, simply click onto the Contact Us section of this web site or, telephone or ema us using the details below. We look forward to hearing from you and assisting you in any way we can.





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How do I identify whether a fan is ErP compliant or not?

The recognition and identity of energy saving fans which satisfy the requirements of the ErP Directive is signified through a CE mark, which represents energy efficiency in the same capacity as the compliance to EMC and Low Voltage directives. In addition to the CE symbol, all Elta Fans products will display their own distinctive logo on the product which signifies the particular fan is ErP compliant, ensuring product recognition is straightforward, making the choice easier for customers, thereby avoiding any confusion. The ErP Compliant logo will also appear in sales brochures, fan selection software, packaging and anything deemed appropriate in assisting the customer.

How do I obtain the specific data on the fans?

Simply contact Elta Fans internal sales staff for more information on the specific data for each of our products, or our external sales engineers who are at hand, or use the up to date web site www.erpfans.co.uk for specific product information on ErP compliant fans as more product groups satisfy the legislative requirements of the ErP Directive.

What are the implications in terms of the ErP Directive for products in which fans are used?

This question is particularly relevant to the AT Division, where we are supplying fans as a component into a finished product, and will have more significance to the new red and green impellers.

With products where fans are built into them, these are only affected where the electrical input power is greater than 125 Watts. However, if they do not comply with the efficiency requirements, then they would have to be replaced with more efficient fans.

What is the European Ventilation Industry Association (EVIA)?

The EVIA was founded in July 2010 and aims to promote highly energy efficient ventilation applications across Europe, with high consideration for health and comfort aspects. Fresh and good indoor air quality is a critical element of comfort and contributes to keeping people healthy in buildings. The EVIA takes the view that the ventilation sector can contribute to the energy efficiency targets set by the EU.

As a member of the EVIA, Elta attends regular meetings, contributing actively in its requests and concerns on the regulations and guidelines that shape the European ventilation industry legislative standards.

