



## Energy Related Products Directive (ErP) January 2016

As part of the ongoing drive for energy efficiency within Europe, as of January 2016 ventilation devices over 30 Watts now come under the scope of the Energy Related Products Directive. The legislation sets minimum performance criteria across a range of fans and ventilation devices under two sets of legislation; 'residential' ventilation and 'non-residential' ventilation.

As a result of the legislation we have reviewed our products and where required made updates to ensure they comply. The primary changes have meant that a number of products have had alternative motors specified or have been updated to enable speed control. However, we have ensured that the installation methods remain unaffected. Through the review we have also taken the opportunity to rationalise our range where needed. All relevant products in this literature have been updated as required by the ErP legislation. Please note that where a product changes due to ErP, there will be a transitional period as we move from the old to the new model, and any stock you currently hold will not be affected by this regulation and can be sold as normal.

## Residential Products

Residential Products has a secondary directive which requires some products to carry an energy label as described below:

### Residential Ranges – Small fans

The majority of small residential fans are unaffected by the legislation as any device below 30 Watts is currently out of scope. The information on them is recorded however and can be found at [www.vent-axia.com/erp](http://www.vent-axia.com/erp)

The Duet and Gemini fans have been delisted, but are still available as spares so please contact [sales@vent-axia](mailto:sales@vent-axia) for more information.

### MVHR and MEV products

These products do come into the scope of the legislation and will carry an energy label. There are some minimum energy efficiency requirements as well as the requirement for a summer bypass on heat recovery models. A small number of our products have been updated to ensure they meet these requirements. The following product has been discontinued:

- Kinetic E

### Energy Efficiency Class

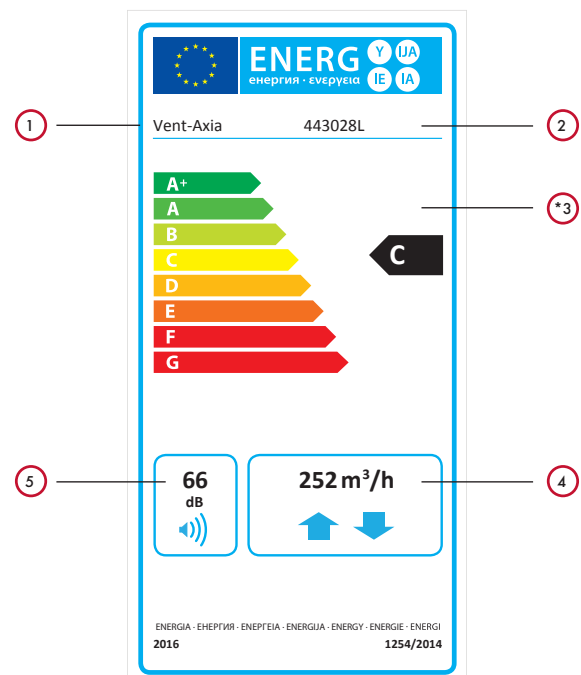
Products within the scope of ErP now need to carry a rating that shows their Energy Efficiency Class. This information is called a 'SEC Class' and is provided in all product literature and on the energy label.

A product's SEC class is affected by how the product is controlled. This is referred to as Local Demand Control (LDC) and indicates how many 'sensors' a fan should have. The regulations require that single room fans, such as a bathroom fan, should have at least 1 sensor. Units that are ducted, such as an MEV unit, need to have more than one sensor. Examples of these are a pull cord/light switch or humidistat.

In our literature, where appropriate we have shown the rating if an additional LDC was added to a product. In those cases, you will see a table similar to the one below which has a heading (incl LDC). This is so you can choose the most efficient option for your needs.

### SEC Rating Example

| Model | SEC Class* | SEC Class (incl. LDC) |
|-------|------------|-----------------------|
| HR200 | C          | B                     |



- ① Manufacturers name
- ② Model name
- ③ Energy Efficiency Class
- ④ Max flow rate
- ⑤ Sound Level



## Non-Residential Ranges

Non-Residential products have had minimum performance and efficiency levels established, but there is no requirement to introduce energy labels. Some products have been updated with new motors and enabled for speed control.

Non-Residential ranges are split into a number of different categories dependent on their application and function. These can be described as follows:

1. Fans
2. Uni-directional Ventilation Units
3. Bi-directional Ventilation Units

### 1. Fans

These are products where there is a simple single case that directs air on and off the impellor. Examples include axial plate and case fans. These examples are out of scope of this legislation.

#### Changes to the way we sell products

The ErP regulations gave us the opportunity to review our product ranges and in some cases has enabled us to improve the way we stock and sell them. Examples of this include T-Series and Standard Range fans. You can now buy these as either a kit or in modular format. The kit can be purchased using the existing part number that you have always used and will contain both a motor core and a fitting kit. Alternatively, you can purchase just the motor core or just the fitting kit as required.

### 2. Unidirectional ventilation units

This includes products that are one direction only, and where there is a secondary housing around a fan.

This is the product category which has required the most changes. The impact of the efficiency legislation has meant that it has become virtually impossible to comply using a forward curved AC centrifugal fan. We are therefore moving to backward curved centrifugal fans in all of our AC box fan ranges. This will mean changes to the box sizes and adjustment to performances, the following ranges are particularly affected.



ACQ/ATQ



QP/QPTW

We have a number of product ranges that have been reaching the end of their life cycle and we have taken the opportunity to rationalise these. See our latest Specification Brochure for specific details on our current ranges.

### 3. Bi-directional ventilation units

These are product ranges that both supply and extract such as heat recovery units.

There are now minimum energy requirements set for heat recovery efficiency. Any product with an efficiency of 67% or lower does not comply. Both the Totus<sup>2</sup> and ERV-HIBOX ranges are unaffected by these changes, however the low efficiency heat recovery ERV-BOX products will be discontinued. See our Specification Brochure for more details.



Heat recovery minimum efficiency