

# MANROSE®

## Energy Related Products Directive (ErP) January 2018

As of January 2018 continuing the ongoing drive for energy efficiency within Europe, the Energy Related Products directive for Ventilation and Heating units is further tightened with efficiency targets being raised.

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 part of our continual product development to meet the legislation we have reviewed our products and where required made updates to ensure they comply. As most Manrose products are below 30W, many of our products remain out of scope of the legislation.

There are, however, a small number of changes and the detail within this document provides an overview of them. 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. Any stock you currently hold will not be affected by this regulation and can be sold as normal.

### Residential Products

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

#### Residential Ranges – Small fans and Heating

The majority of small residential fans are unaffected by the legislation. The information on them is recorded however and can be found at [www.manrose.co.uk](http://www.manrose.co.uk)

The largest changes are found within the heating category. Lot 20 indicates that all local space heaters must comply with a minimum efficiency standard as stated in EED 2015/1188. All local space heaters manufactured for sale in the EU after 1st January 2018, which use electricity, gas or liquid fuels, must comply to these standards. This includes the range of Manrose electric panel heaters & portable heaters. Compliance can be achieved with a number of different methods including daily or weekly timers, digital thermostatic controls and other technologies such as open window detection or distance control. It will still be possible to sell products which have been manufactured before the 1st January 2018 without penalties.

#### Heating products affected:



##### HP24TIMPH150/200T

Discontinuation of the 24hr count down timer model in favour of the 24/7 models with thermostatic control.



##### HCONH

Standard models discontinued. Timer models are unaffected.



##### HDFHN

This product does not meet the new regulations discontinued.



##### HPFH

This product does not meet the new regulations discontinued.

The image shows a standard EU Energy Label for a Manrose MANHR200V unit. The label is rectangular with a blue border and contains the following information:

- Header:** EU flag, 'ENERG' logo, and energy efficiency icons (Y, UA, IE, IA).
- Manufacturer and Model:** 'Manrose' (A) and 'MANHR200V' (B).
- Energy Efficiency Class:** A vertical bar chart showing classes A+, A, B, C, D, E, F, G. Class C is highlighted with a black arrow (C).
- Sound Level:** '56 dB' (E) with a speaker icon.
- Max Flow Rate:** '252 m³/h' (D) with up and down arrows.
- Footer:** Multilingual text 'ENERGIA · ΕΝΕΡΓΙΑ · ΕΝΕΡΓΕΙΑ · ENERGIA · ENERGY · ENERGIE · ENERGI' and the year '2016' on the left, and '1254/2014' on the right.

Below the label, a legend identifies the callouts:

- A** Manufacturers name
- B** Model name
- C** Energy Efficiency Class
- D** Max flow rate
- E** Sound Level

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### 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 will be updated to ensure they meet these requirements. The literature on individual products will be updated and will be available on the Manrose website.

### Non-Residential Ranges

Non-Residential products have had minimum performance and efficiency levels established in 2016 and these have now been tightened further. There is still no requirement to introduce energy labels. Some products have been updated to allow for speed control.

Non-Residential ranges are split into 3 categories dependent on their application and function.

#### 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 fans. These examples are out of scope of the legislation.

##### 2. Unidirectional ventilation units

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

The following 2 ranges have been affected as a result of this legislation:



#### MF Range

These products now have 3 speeds.



#### MET Range

The installer will need to fit a speed controller when they install the fan.

#### 3. Bi-directional ventilation units

These are product ranges that both supply and extract, such as heat recovery. There are now minimum energy requirements set for heat recovery efficiency. Any product with an efficiency of less than 72% does not comply. No Manrose products are affected by this part of the legislation.



Heat recovery minimum efficiency