Commission Delegated Regulation (EU) No 1254/2014 of 11 July 2014 supplementing Directive 2010/30/EU of the European Parliament and of the Council with regard to energy labelling of residential ventilation units (Text with EEA relevance)

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supplementing Directive 2010/30/EU of the European Parliament and of the Council with regard to energy labelling of residential ventilation units

(Text with EEA relevance)

THE EUROPEAN COMMISSION,

Having regard to the Treaty on the Functioning of the European Union,

Having regard to Directive 2010/30/EU of the European Parliament and of the Council of 19 May 2010 on the indication by labelling and standard product information of the consumption of energy and other resources by energy related products[(1)], and in particular Article 10 thereof,

Whereas:

(1) Directive 2010/30/EU requires the Commission to adopt delegated acts for the labelling of energy-related products. The delegated acts are to be adopted where products represent a significant potential for energy savings and present a wide disparity in performance levels although having an equivalent functionality and no other Union legislation or self-regulation is expected to achieve the policy objectives more quickly or at lesser expense than mandatory requirements.

(2) The Commission has assessed the technical, environmental and economic aspects of residential ventilation units. The assessment showed that the energy used by residential ventilation units accounts for a significant part of total household energy demand in the Union. Improvements have already been achieved in the energy efficiency of those products, but there is substantial scope for further reducing the energy consumption of such units. The assessment also confirmed a wide disparity in performance levels, and found no self-regulation or voluntary agreements which could achieve the policy objectives.

(3) Small ventilation units with an electric power input of less than 30 W per air stream should be exempted from the scope of this Regulation. Those units are designed for many different applications, predominantly working intermittently and with supplementary functions only, for example in bathrooms. Including those ventilation units would represent a considerable administrative burden in terms of market surveillance due to large sales numbers, while contributing only to a small share of the energy saving potential. However, considering that they offer similar functionalities to other ventilation units, their possible inclusion should be similarly addressed in the review of this Regulation. Non-residential ventilation units (NRVUs) should be

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excluded from labelling as these products are chosen by planners and architects and largely independent from consumer and market behaviour. Ventilation units specifically designed to operate exclusively for emergency purposes or in exceptional or hazardous environments should also be exempted, as they are used rarely and for a short time. The exemptions also clarify that multifunctional units which predominantly heat or cool and kitchen range hoods are excluded. Harmonised provisions on labelling and standard product information regarding the specific energy consumption of residential ventilation units should be laid down in order to provide incentives for manufacturers to improve the energy efficiency of these units, encourage end-users to purchase energy-efficient products and contribute to the functioning of the internal market.

(4) As the sound power level of a residential ventilation unit can be an important consideration for consumers, information on this should be included on the label.

(5) The combined effect of this Regulation and Commission Regulation (EU) No 1253/2014[(2)] is expected to raise the aggregated saving by 1 300 PJ (45 %) to 4 130 PJ in 2025.

(6) The information provided on the label should be obtained through reliable, accurate and reproducible methods which take into account recognised 'state of the art' measurement and calculation methods, including, where available, harmonised standards adopted by the European standardisation bodies in accordance with the procedures laid down in Regulation (EU) No 1025/2012 of the European Parliament and of the Council[(3)].

(7) This Regulation should specify requirements as to the uniform design and content for the label, the technical documentation and the fiche. Requirements should also be laid down as regards the information to be provided in the case of any form of distance selling, advertisements and technical promotional materials for ventilation units, as the importance of information displayed to end-users via the internet is increasing,

HAS ADOPTED THIS REGULATION:

Article 1

Subject matter and scope

1 This Regulation establishes energy labelling requirements for residential ventilation units.

2 This Regulation shall not apply to residential ventilation units which:

a are unidirectional (exhaust or supply) with an electric power input of less than 30 W;

b are exclusively specified as operating in a potentially explosive atmosphere as defined in Directive 94/9/EC of the European Parliament and of the Council[(4)];

c are exclusively specified as operating for emergency use, for short periods of time, and which comply with the basic requirements for construction works with regard to safety in case of fire as set out in Regulation (EU) No 305/2011 of the European Parliament and of the Council[(5)];

d are exclusively specified as operating:

(i) where operating temperatures of the air being moved exceed 100 °C;

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(ii) where the operating ambient temperature for the motor, if located outside the air stream, driving the fan exceeds 65 °C;

(iii) where the temperature of the air being moved or the operating ambient temperature for the motor, if located outside the air stream, are lower than – 40 °C;

(iv) where the supply voltage exceeds 1 000 V AC or 1 500 V DC;

(v) in toxic, highly corrosive or flammable environments or in environments with abrasive substances;

[[F1]e include a heat exchanger and a heat pump for heat recovery or allowing heat transfer or extraction being additional to that of the heat recovery system, except heat transfer for frost protection or defrosting;**]**

f are classified as range hoods covered by Commission Delegated Regulation (EU) No 65/2014[(6)].

Textual Amendments

F1 Substituted by Commission Delegated Regulation (EU) 2020/987 of 20 January 2020 correcting certain language versions of Delegated Regulation (EU) No 1254/2014 supplementing Directive 2010/30/EU of the European Parliament and of the Council with regard to energy labelling of residential ventilation units (Text with EEA relevance).

Article 2

Definitions

For the purposes of this Regulation the following definitions shall apply:

(1) ‘ventilation unit’ (VU) means an electricity driven appliance equipped with at least one impeller, one motor and a casing and intended to replace utilised air by outdoor air in a building or a part of a building;

(2) ‘residential ventilation unit’ (RVU) means a ventilation unit where:

(a) the maximum flow rate does not exceed 250 m^3/h;

(b) the maximum flow rate is between 250 and 1 000 m^3/h, and the manufacturer declares its intended use as being exclusively for a residential ventilation application;

(3) ‘maximum flow rate’ is the declared maximum air volume flow rate of a ventilation unit that can be achieved with integrated or separately co-supplied controls at standard air conditions (20 °C) and 101 325 Pa, where the unit is installed complete (e.g. including clean filters) and according to the manufacturer's instructions, for ducted RVUs the maximum flow is related to the air flow at 100 Pa of external static pressure difference, and for non-ducted RVUs to the air flow at the lowest achievable total pressure difference to be chosen from a set of values of 10 (minimum)-20-50-100-150-200-250 Pa, whichever is equal or just below the measured pressure difference value;

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(4) 'unidirectional ventilation unit' (UVU) means a ventilation unit producing an air flow in one direction only, either from indoors to outdoors (exhaust) or from outdoors to indoors (supply), where the mechanically produced air flow is balanced by natural air supply or exhaust;

(5) 'bidirectional ventilation unit' (BVU) means a ventilation unit producing an air flow between indoors and outdoors and which is equipped with both exhaust and supply fans;

(6) 'equivalent ventilation unit model' means a ventilation unit with the same technical characteristics according to the applicable product information requirements, but placed on the market as a different ventilation unit model by the same manufacturer, authorised representative or importer.

For the purposes of Annexes II to IX, additional definitions are set out in Annex I.

Article 3

Responsibilities of suppliers

1 Suppliers placing residential ventilation units on the market shall ensure that from 1 January 2016 the following requirements are fulfilled:

a each residential ventilation unit is accompanied by a printed label in the format and containing the information set out in Annex III, the label must be provided at least in the packaging of the unit. For each model of residential ventilation units an electronic label in the format and containing the information set out in Annex III shall be made available to dealers;

b a product fiche, as set out in Annex IV, is made available. The fiche must be provided at least in the packaging of the unit. For each model of residential ventilation units an electronic product fiche, as set out in Annex IV, shall be made available to dealers, and on free access websites;

c technical documentation, as set out in Annex V, is made available on request to the Member State authorities and the Commission;

d instructions for use are made available;

e any advertisement for a specific model of residential ventilation units that discloses energy-related or price information contains the specific energy consumption class of that model;

f any technical promotional material concerning a specific model of residential ventilation unit which describes its specific technical parameters states the specific energy consumption class of that model.

2 From 1 January 2016 residential ventilation units placed on the market shall be provided with a label in the format set out in Annex III, point 1, if they are unidirectional residential ventilation units, and with a label in the format set out in Annex III, point 2, if they are bidirectional ventilation units.

Article 4

Responsibilities of dealers

Dealers shall ensure that:

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(a) each residential ventilation unit, at the point of sale, bears the label provided by suppliers in accordance with Article 3(1)(a) on the outside of the front or top of the appliance in such a way as to be clearly visible;

(b) residential ventilation units offered for sale, hire or hire-purchase, where the end-user cannot be expected to see the product displayed, are marketed with the information provided by suppliers in accordance with Annex VI, except where the offer is made on the internet, in which case the provisions of Annex VII shall apply;

(c) any advertisement for a specific model of residential ventilation unit that discloses energy-related or price information contains a reference to the specific energy consumption class of the unit;

(d) any technical promotional material concerning a specific model which describes the technical parameters of a residential ventilation unit includes the specific energy consumption class of the model and the instructions for use provided by the supplier.

Article 5

Measurement methods

For the purposes of information to be provided under Articles 3 and 4, the specific energy consumption class shall be determined in accordance with the table set out in Annex II. The specific energy consumption, the annual electricity consumption, the annual heating saved, the maximum flow rate and the sound power level shall be determined in accordance with measurement and calculation methods as set out in Annex VIII, and take into account recognised state-of-the-art measurement and calculation methods.

Article 6

Verification procedure for market surveillance purposes

When assessing the conformity of the ventilation unit, Member States shall apply the procedure laid down in Annex IX.

Article 7

Review

The Commission shall review this Regulation in the light of technological progress and present the results of this review to the Consultation Forum no later than 1 January 2020.

The review shall assess in particular the possible inclusion of other ventilation units, notably of non-residential units, units with a total electric power input smaller than 30 W, and the specific energy consumption calculation and classes for demand controlled unidirectional and bidirectional ventilation units.