



EUROPEAN
COMMISSION

Brussels, XXX
[...] (2024) XXX draft

COMMISSION REGULATION (EU) .../...

of XXX

amending Regulation (EU) 2024/1834 as regards definitions, transitional provisions, verification tolerances, test results corrections and other provisions that relate to fan speed

(Text with EEA relevance)

This draft has not been adopted or endorsed by the European Commission. Any views expressed are the preliminary views of the Commission services and may not in any circumstances be regarded as stating an official position of the Commission.

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(Text with EEA relevance)

THE EUROPEAN COMMISSION,

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

Having regard to Directive 2009/125/EC of the European Parliament and of the Council of 21 October 2009 establishing a framework for the setting of ecodesign requirements for energy-related products¹ and in particular Article 15(1) thereof,

Whereas:

- (1) Article 79(1) of Regulation (EU) 2024/1781 of the European Parliament and of the Council² partially repeals Directive 2009/125/EC upon its entry into force. It however empowers the Commission to adopt, until 31 December 2030, amendments to address technical issues with regard to implementing measures adopted under Article 15 of Directive 2009/125/EC.
- (2) Regulation (EU) 2024/1834 established ecodesign requirements for fans driven by motors with an electric input power between 125 W and 500 kW.
- (3) In order to improve legal certainty, the current definition of ‘best efficiency point’ should be amended and linked to the term ‘inherent speed’. The definition of ‘inherent speed’ should be amended to clarify that it relates to the impeller speed, and to better specify the supply conditions of the motor.
- (4) Article 9 and the second paragraph of Annex II to that Regulation should be clarified to remove an apparent contradiction concerning the transitional regime for fans that are integrated into other products and for spare part fans.
- (5) Table 3 of Annex IV to Regulation (EU) 2024/1834 sets out the tolerances to be applied by national market surveillance authorities when verifying compliance of fans. It appears from the consultation with stakeholders that the current verification tolerance for fan speed (2%) is too tight considering the variability of other parameters that influence fan speed. Therefore, a greater verification tolerance should be set.

¹ Directive 2009/125/EC of the European Parliament and of the Council of 21 October 2009 establishing a framework for the setting of ecodesign requirements for energy-related products (OJ L 285, 31.10.2009, p. 10, ELI: <http://data.europa.eu/eli/dir/2009/125/oj>).

² Regulation (EU) 2024/1781 of the European Parliament and of the Council of 13 June 2024 establishing a framework for the setting of ecodesign requirements for sustainable products, amending Directive (EU) 2020/1828 and Regulation (EU) 2023/1542 and repealing Directive 2009/125/EC (OJ L, 2024/1781, 28.6.2024, ELI: <http://data.europa.eu/eli/reg/2024/1781/oj>).

- (6) Two technical terms are used in Annex III to Regulation (EU) 2024/1834 that are not defined ('tip speed' and 'impeller diameter'), which may lead to inconsistent application of the Regulation. A definition for those terms should be provided to ensure legal certainty and clarity.
- (7) When fans are tested, air pressure and temperature may differ from the standard air conditions, which will influence the test results. It should be clarified that when Member State authorities and manufacturers are testing fans, they should correct test results in order to produce values reflecting standard air conditions, in compliance with the applicable technical standards. Also, where appropriate, manufacturers should be able to correct test results to the applicable declared speed when a test has been carried out at a different speed, in compliance with the applicable technical standards.
- (8) In order to improve clarity, in Annexes II and IV to Regulation (EU) 2024/1834, the term 'fan speed' should be replaced by 'inherent speed' because the latter term is more precise.
- (9) Regulation (EU) 2024/1834 should therefore be amended.
- (10) The measures provided for in this Regulation are in accordance with the opinion of the Committee established by Article 19(1) of Directive 2009/125/EC,

HAS ADOPTED THIS REGULATION:

Article 1

Amendments to Regulation (EU) 2024/1834

Regulation (EU) 2024/1834 is amended as follows:

- (1) Article 2 is amended as follows:
 - (a) point (3) is replaced by the following:

'(3) 'best efficiency point' (BEP) means the best energy efficiency point for fan operation, determined at inherent speed;';
 - (b) the following point (32) is added:

'(32) 'inherent speed' means the rotation speed of the fan impeller, when the fan is operated at its nominal voltage and frequency (50 Hz, or 60 Hz in case of motors rated at 60 Hz only), applying the out-of-the-box default settings in case of VSD-driven fan;';
- (2) in Article 9, paragraph 1 is replaced by the following:

'1. Regulation (EU) No 327/2011 is repealed with effect from 24 July 2026. However, Annexes I, II and III to that Regulation shall continue to apply until 24 July 2027 in relation to fans integrated into other products, and until 24 July 2037 in relation to spare part fans, in accordance with the first two paragraphs of Annex II.';
- (3) Annexes I, II, III and IV are amended as set out in the Annex to this Regulation.

Article 2

Entry into force and application

This Regulation shall enter into force on the twentieth day following that of its publication in the *Official Journal of the European Union*.

This Regulation shall be binding in its entirety and directly applicable in all Member States.

Done at Brussels,

For the Commission
The President
Ursula VON DER LEYEN