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COVER NOTE

From:	European Commission
date of receipt:	14 July 2025
To:	General Secretariat of the Council
Subject:	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)

Delegations will find attached document D(2025) 107317.

Encl.: D(2025) 107317

Brussels, XXX
D107317/02
[...] (2025) 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)

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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)

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 products ⁽¹⁾ and in particular Article 15(1) thereof,

Whereas:

- (1) Article 79(1) of Regulation (EU) 2024/1781 of the European Parliament and of the Council ⁽²⁾ 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 ⁽³⁾ established ecodesign requirements for fans driven by motors with an electric input power between 125 W and 500 kW.
- (3) To improve legal certainty, the current definitions of ‘best efficiency point’ and of ‘inherent speed’ should be amended. The latter amended definition should in addition, better specify the supply conditions of the motor.
- (4) Article 40 paragraphs 1 to 4 of Regulation (EU) 2024/1781 tackles circumvention in a comprehensive manner and applies to products covered by Regulation (EU) 2024/1834 since the entry into application of Regulation 2024/1781. Therefore Article 6 of Regulation (EU) 2024/1834 has become redundant and should be deleted.
- (5) The transitional regimes for fans that are integrated into other products and for spare part fans, as set out in the first two paragraphs of Annex II, should be clarified.

⁽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>).

⁽³⁾ Commission Regulation (EU) 2024/1834 of 3 July 2024 implementing Directive 2009/125/EC of the European Parliament and of the Council with regard to ecodesign requirements for fans driven by motors with an electric input power between 125 W and 500 kW and repealing Commission Regulation (EU) No 327/2011 (OJ L, 2024/1834, 04.07.2024, ELI: <http://data.europa.eu/eli/reg/2024/1834/oj>).

- (6) Commission Regulation (EU) 2024/1834 sets out the verification tolerances that national market surveillance authorities apply when verifying compliance of fans. It appears from the consultation with stakeholders that given the variability of other parameters which influence fan speed, a broader verification tolerance margin is appropriate.
- (7) In order to ensure consistency in the application of the technical terms ‘tip speed’ and ‘impeller diameter’ used in Annex III to Regulation (EU) 2024/1834 these two terms should be defined. For similar reasons in the same Annex, it should be clarified that the correction factor for part load compensation C_c is a function of the electric input power P_e , expressed in kW.
- (8) In order to ensure uniform testing conditions for parameter ‘Electric input power P_e (in kW)’ a reference to the applicable clauses with respect to ambient temperature during testing should be added.
- (9) When fans are tested, air pressure and temperature may differ from the standard air conditions and 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 match the applicable declared speed when a test has been carried out at a different speed, in compliance with the applicable technical standards.
- (10) In order to improve accuracy, the term ‘fan speed’ should be replaced by the more precise term ‘inherent speed’ in Annexes II and IV to Regulation (EU) 2024/1834.
- (11) Regulation (EU) 2024/1834 should therefore be amended.
- (12) 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 definition is added as point (32):

‘(32) ‘inherent speed’ means the rotation speed of the fan impeller, when the fan is operated at its nominal voltage and frequency. In case of fans with a variable speed drive or intended to be used with a variable speed drive, the inherent speed is the maximum speed achieved by the fan or the speed at which the efficiency is declared by the manufacturer, and that is in line with the fan safe operation and in line with the intended use of the fan. Where the motor is a multiple speed motor, the highest speed made available to the customer applies.’
- (2) Article 6 is deleted.

- (3) In Article 8, the seventh indent is deleted.
- (4) 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 to fans integrated into other products, and until 24 July 2037 to spare part fans, in accordance with the first two paragraphs of Annex II of this regulation.’;
- (5) Article 10 on “Entry into force and application” is replaced by the following:
‘This Regulation shall enter into force on the twentieth day following that of its publication in the Official Journal of the European Union.
It shall apply from 24 July 2026. However, Article 9 (2) shall apply from 24 July 2024.’

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