



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

ANNEX

**ANNEX**

**to the**

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

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

## ANNEX

Annexes I, II, III and IV to Regulation (EU) 2024/1834 are amended as follows:

- (1) Annex I is amended as follows:
  - (a) point (36) is deleted;
  - (b) the following points (40) and (41) are added:
    - ‘(40) ‘tip speed’ ( $u_{tip}$ ), in m/s, means the peripheral speed of the impeller blade tips;
    - (41) ‘impeller diameter’ ( $D_{impeller}$ ), in mm, means the maximum diameter measured over the tips of the blades of the impeller.’;
- (2) Annex II is amended as follows:
  - (a) after the heading ‘ECODESIGN REQUIREMENTS FOR FANS’, in the second paragraph, the introductory sentence is replaced by the following:

‘However, until 24 July 2037, spare part fans replacing either fans placed on the market before 24 July 2026, or which replace fans integrated into products and complying with all criteria under (a) to (d) above, are exempt from the requirements set out in points 1 to 5, provided that:’;
  - (b) point (2)(2)(1) is replaced by the following:

‘(1) inherent speed at BEP or  $T_m$  (in rpm, rounded to the nearest integer)’;
  - (c) in point (3)(1), first paragraph, the second sentence is replaced by the following:

‘This shall be described by a minimum of three performance curves at different speeds: one at the inherent speed, one at a lower speed of between 40 % and 50 % of the inherent speed, plus an additional one in the middle ( $\pm 10$  percentage points) of the other two.’;
- (3) Annex III is amended as follows:
  - (a) in point (3), the following third paragraph is added:

‘Where relevant, test results shall be corrected as specified in the applicable standards, to produce declared values reflecting standard air conditions and, when applicable, also the applicable declared inherent speed.’;
- (4) Annex IV is amended as follows:
  - (a) point (3)(b)(iv) is replaced by the following:

‘when the Member State authorities test the unit of the model, the determined values (the values of the relevant parameters as measured in testing, converted where applicable to standard air conditions), and the values calculated from those measurements, comply with the respective verification tolerances set out in Table 3;’;
  - (b) in Table 3 ‘Verification tolerances’, the fifth row after the heading row is replaced by the following:

Inherent speed at BEP (rpm)	The determined value* shall not differ by
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	more than 5% from the corresponding declared value.
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