

Commission Regulation (EC) No 640/2009 of 22 July 2009 implementing Directive 2005/32/EC of the European Parliament and of the Council with regard to ecodesign requirements for electric motors (Text with EEA relevance)

Article 1	Subject matter and scope
Article 2	Definitions
Article 3	Ecodesign requirements
Article 4	Conformity assessment
Article 5	Verification procedure for market surveillance purposes
Article 6	Indicative Benchmarks
Article 7	Revision
Article 8	Entry into force
	Signature

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ANNEX I

ECODESIGN REQUIREMENTS FOR MOTORS

1. MOTOR EFFICIENCY REQUIREMENTS
2. PRODUCT INFORMATION REQUIREMENTS ON MOTORS
3. DEFINITIONS FOR THE PURPOSES OF ANNEX I
  1. 'Nominal minimum efficiency' ( $\eta$ ) means the efficiency at full rated...
  2. 'Tolerance' means the maximum allowable variation in test measurement result...

ANNEX II

MEASUREMENTS AND CALCULATIONS

For the purposes of compliance and verification of compliance with...

The energy efficiency is the ratio of mechanical output power...  
The efficiency level of the motor, as specified in Annex...  
The difference between the output mechanical power and the input...

The determination of total losses shall be carried out by...  
measurement of total losses, or determination of separate losses for...

ANNEX III

Product compliance verification by market surveillance authorities

The verification tolerances defined in this Annex relate only to...

**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EC) No 640/2009. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) [View outstanding changes](#)

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When verifying the compliance of a product model with the...  
The Member State authorities shall verify one single unit of...  
The Member State authorities shall use the measurement and  
calculation...  
The Member State authorities shall only apply the verification  
tolerances...  
Table 3 Verification tolerances Parameters Motors on the power  
range...

#### ANNEX IV

#### INDICATIVE BENCHMARKS REFERRED TO IN ARTICLE 6

At the time of adoption of this Regulation, the best...

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- (1) [OJ L 191, 22.7.2005, p. 29.](#)
- (2) [OJ L 157, 9.6.2006, p. 24.](#)
- (3) [OJ L 204, 21.7.1998, p. 37.](#)
- (4) 1 TWh = 3,6 PJ.

**Changes to legislation:**

There are outstanding changes not yet made to Commission Regulation (EC) No 640/2009. Any changes that have already been made to the legislation appear in the content and are referenced with annotations.

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**Changes and effects yet to be applied to :**

- Regulation revoked by [S.I. 2021/745 Sch. 29 para. 1](#)
- Annex 3 word substituted by [S.I. 2019/539 Sch. 2 para. 6\(7\)\(e\)\(i\)](#)
- Annex 3 word substituted by [S.I. 2019/539 Sch. 2 para. 6\(7\)\(e\)\(ii\)](#)
- Annex 3 words substituted by [S.I. 2019/539 Sch. 2 para. 6\(7\)\(a\)](#)
- Annex 3 words substituted by [S.I. 2019/539 Sch. 2 para. 6\(7\)\(b\)](#)
- Annex 3 words substituted in earlier amending provision [S.I. 2019/539, Sch. 2 para. 6\(7\)\(a\)](#) by [S.I. 2020/1528 reg. 6\(1\)reg. 6\(2\)\(b\)\(v\)](#)
- Annex 3 words substituted in earlier amending provision [S.I. 2019/539, Sch. 2 para. 6\(7\)\(b\)](#) by [S.I. 2020/1528 reg. 6\(3\)reg. 6\(4\)\(b\)\(iv\)](#)
- Art. 2 words substituted by [S.I. 2019/539 Sch. 2 para. 6\(2\)](#)
- Art. 2 words substituted in earlier amending provision [S.I. 2019/539, Sch. 2 para. 6\(2\)](#) by [S.I. 2020/1528 reg. 4](#)
- Art. 4 substituted by [S.I. 2019/539 Sch. 2 para. 6\(3\)](#)
- Art. 5 substituted by [S.I. 2019/539 Sch. 2 para. 6\(4\)](#)
- Art. 5 words substituted in earlier amending provision [S.I. 2019/539, Sch. 2 para. 6\(4\)](#) by [S.I. 2020/1528 reg. 6\(3\)reg. 6\(4\)\(b\)\(iv\)](#)
- Art. 7 omitted by [S.I. 2019/539 Sch. 2 para. 6\(5\)](#)

**Changes and effects yet to be applied to the whole legislation item and associated provisions**

- Signature words omitted by [S.I. 2019/539 Sch. 2 para. 6\(6\)](#)
- Annex 3(2)(a) words substituted by [S.I. 2019/539 Sch. 2 para. 6\(7\)\(c\)\(i\)](#)
- Annex 3(2)(a) words substituted by [S.I. 2019/539 Sch. 2 para. 6\(7\)\(c\)\(ii\)](#)
- Annex 3(6) omitted by [S.I. 2019/539 Sch. 2 para. 6\(7\)\(d\)](#)