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**Električni rotacijski stroji - 14. del: Mehanske vibracije nekaterih strojev za višino gredi 56 mm in več - Meritve, vrednotenje in mejne vrednosti stopenj jakosti**

Rotating electrical machines - Part 14: Mechanical vibration of certain machines with shaft heights 56 mm and higher - Measurement, evaluation and limits of vibration severity

Drehende elektrische Maschinen - Teil 14: Mechanische Schwingungen von bestimmten Maschinen mit einer Achshöhe von 56 mm und höher - Messung, Bewertung und Grenzwerte der Schwingstärke

Machines électriques tournantes - Partie 14: Vibrations mécaniques de certaines machines de hauteur d'axe supérieure ou égale à 56 mm - Mesurage, évaluation et limites de l'intensité vibratoire

**Ta slovenski standard je istoveten z: prEN IEC 60034-14:2026**

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**ICS:**

17.160	Vibracije, meritve udarcev in vibracij	Vibrations, shock and vibration measurements
29.160.01	Rotacijski stroji na splošno	Rotating machinery in general

**oSIST prEN IEC 60034-14:2026**

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# 2/2290/CDV

## COMMITTEE DRAFT FOR VOTE (CDV)

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SECRETARIAT: United Kingdom	SECRETARY: Mr Charles Whitlock
OF INTEREST TO THE FOLLOWING COMMITTEES: TC 9	HORIZONTAL FUNCTION(S):
ASPECTS CONCERNED:	
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TITLE:

**Rotating electrical machines - Part 14: Mechanical vibration of certain machines with shaft heights 56 mm and higher - Measurement, evaluation and limits of vibration severity**

PROPOSED STABILITY DATE: 2028

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## INTERNATIONAL ELECTROTECHNICAL COMMISSION

## ROTATING ELECTRICAL MACHINES –

**Part 14: Mechanical vibration of certain machines  
with shaft heights 56 mm and higher – Measurement,  
evaluation and limits of vibration severity**

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International Standard IEC 60034-14 has been prepared by IEC technical committee 2: Rotating machinery.

**This fifth edition cancels and replaces the fourth edition, published in 2018. It constitutes a technical revision.**

**The significant technical changes with respect to the previous edition are:**

- a) **Subclause 6.3.3 Vertical machines: added two new subclauses: Type and Routine tests**
- b) **Subclause 7.3 Test conditions: added two new subclauses: Direct-on-line and Variable speed**
- c) **Table 1: decreased limits for Grade A in free suspension for  $56 \leq H \leq 132$**
- d) **Clause 9 Limits of relative shaft vibration: added information how to mitigate effects of run-out on shaft vibration measurements.**