

AS 60034.26—2009
Rotating electrical machines
Part 26: Effects of unbalanced voltages on the performance of three-phase
induction motors

Amendment No. 1
Revised text amendment

Publishing and Approval Dates

Council of Standards Australia Approval: 3 November 2023

Published: 17 November 2023

Summary

This Amendment applies to the following elements:

- Front cover
- Preface
- Corrigendum 1

Amendment Details

AS 60034.26:2009 is amended as follows. The amendment should be inserted in the locations as instructed.

Element	Instruction/New text
Front cover	After “Reconfirmed 2021”, <i>add</i> the following: IEC 60034-26:2006/COR1:2014 (Incorporating Corrigendum No. 1)
Preface	<i>Delete</i> the fourth paragraph, and <i>replace</i> with the following: This Standard is identical with, and has been reproduced from IEC 60034-26, Ed. 1 (2006), <i>Rotating electrical machines – Part 26: Effects of unbalanced voltages on the performance of three-phase cage induction motors</i> and its Corrigendum 1 (2014), which has been added at the end of the source text.
Corr 1 (new)	After Annex B, <i>add</i> the following Corrigendum No. 1 (2014):

IEC 60034-26
(First edition – 2006)

Rotating electrical machines –

**Part 26: Effects of unbalanced voltages on the
performance of three-phase cage induction
motors**

IEC 60034-26
(Première édition – 2006)

Machines électriques tournantes –

**Partie 26: Effets d'un système de tensions
déséquilibrées sur les caractéristiques de
fonctionnement des moteurs à cage asynchrones
triphasés**

CORRIGENDUM 1

In Annex B, replace the mathematical formula and the subsequent two explanations of the symbols by the following new formula and explanations:

$$f_u' = \frac{\Delta U_{\max}}{U_{\text{average}}},$$

where

U_{average} is the average value of the r.m.s. value of the three voltages U_1 , U_2 , U_3 ,

$\Delta U_{\max}$ is the maximum of the differences between U_{average} and the r.m.s. values U_1 , U_2 , U_3 .

Dans l'Annexe B, remplacer la formule mathématique et les deux explications de symboles qui suivent par la nouvelle formule et les explications suivantes:

$$f_u' = \frac{\Delta U_{\max}}{U_{\text{average}}},$$

où

U_{average} est la valeur moyenne de la valeur efficace des trois tensions U_1 , U_2 , U_3 ,

$\Delta U_{\max}$ est la valeur maximale des différences entre U_{average} et les valeurs efficaces U_1 , U_2 , U_3 .