

CONSOLIDATED VERSION

VERSION CONSOLIDÉE

**Rotating electrical machines –
Part 9: Noise limits**

**Machines électriques tournantes –
Partie 9: Limites de bruit**



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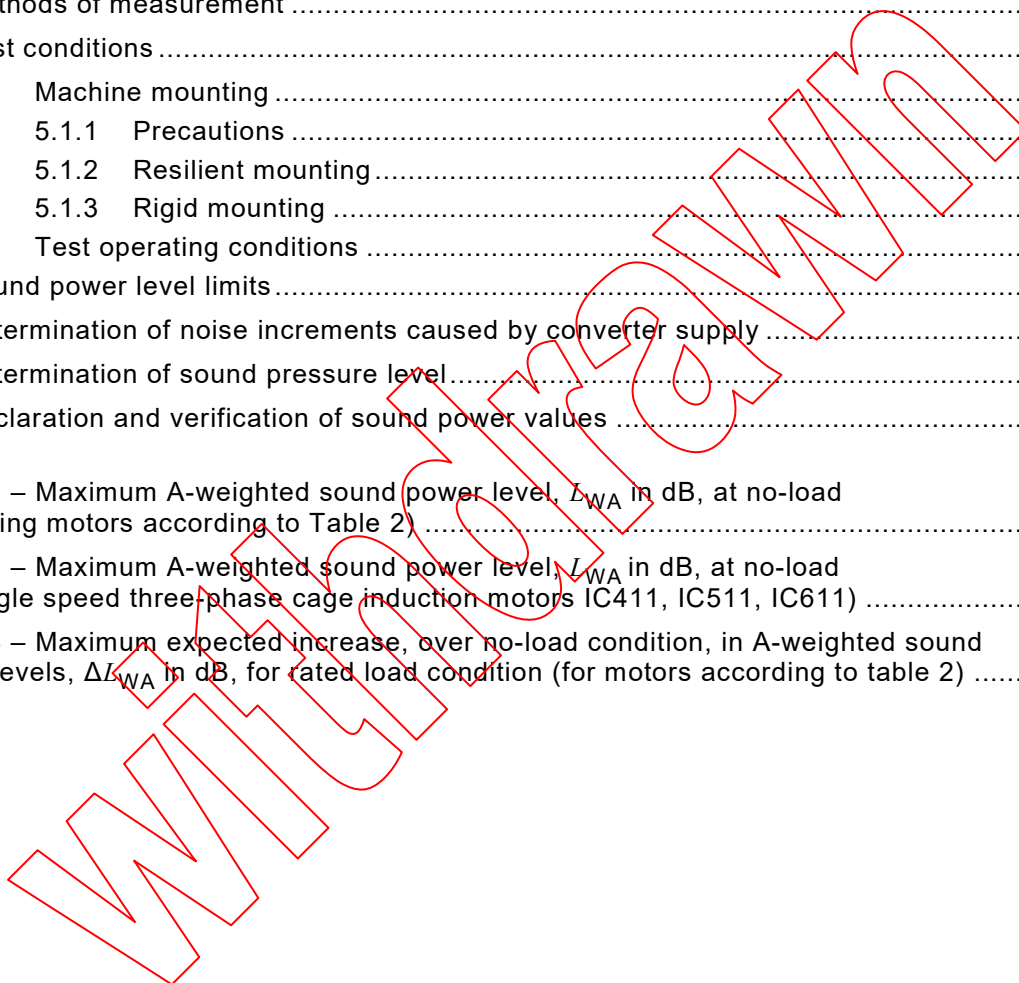
**Machines électriques tournantes –
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INTERNATIONAL ELECTROTECHNICAL COMMISSION

ROTATING ELECTRICAL MACHINES –

Part 9: Noise limits

FOREWORD

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International Standard IEC 60034-9 has been prepared by IEC technical committee 2: Rotating machinery.

This edition includes the following significant technical changes:

- this edition reduces the no-load noise limits for single-speed, cage-induction motors according to Table 2;
- it also provides informative guidance on
 - the measurement surface to be used during some tests,
 - a method for the determination of an average sound pressure level,
 - an indication of "uncertainty" based upon the category of test procedure.

This consolidated version of IEC 60034-9 consists of the fourth edition (2003) [documents 2/1256/FDIS and 2/1272/RVD] and its amendment 1 (2007) [documents 2/1383/CDV and 2/1413/RVC].

The technical content is therefore identical to the base edition and its amendment(s) and has been prepared for user convenience.

It bears the edition number 4.1.

A vertical line in the margin shows where the base publication has been modified by amendment 1.

This publication has been drafted in accordance with the ISO/IEC Directives, Part 2.

The committee has decided that the contents of the base publication and its amendments will remain unchanged until the maintenance result date indicated on the IEC web site under "<http://webstore.iec.ch>" in the data related to the specific publication. At this date, the publication will be

- reconfirmed,
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- replaced by a revised edition, or
- amended.

Withdrawn

INTRODUCTION

Acoustic quantities can be expressed in sound pressure terms or sound power terms. The use of a sound power level, which can be specified independently of the measurement surface and environmental conditions, avoids the complications associated with sound pressure levels, which require additional data to be specified. Sound power levels provide a measure of radiated energy and have advantages in acoustic analysis and design.

Withdrawn