

Electric motor-operated tools - Dust measurement procedure - Part 3-9: Particular requirements for transportable mitre saws

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

See Eesti standard EVS-EN 50632-3-9:2016 sisaldab Euroopa standardi EN 50632-3-9:2016 ingliskeelset teksti.	This Estonian standard EVS-EN 50632-3-9:2016 consists of the English text of the European standard EN 50632-3-9:2016.
Standard on jõustunud sellekohase teate avaldamisega EVS Teatajas.	This standard has been endorsed with a notification published in the official bulletin of the Estonian Centre for Standardisation.
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ICS 13.040.40, 79.120.10

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ICS 79.120.10; 13.040.40

English Version

Electric motor-operated tools - Dust measurement procedure - Part 3-9: Particular requirements for transportable mitre saws

Outils électriques à moteur - Procédure de mesure de la
poussière - Partie 3-9: Exigences particulières pour les
scies à onglets transportables

Motorbetriebene Elektrowerkzeuge - Staubmessverfahren -
Teil 3-9: Besondere Anforderungen für transportable
Gehrungssägen

This European Standard was approved by CENELEC on 2016-05-03. CENELEC members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration.

Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the CEN-CENELEC Management Centre or to any CENELEC member.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CENELEC member into its own language and notified to the CEN-CENELEC Management Centre has the same status as the official versions.

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European Committee for Electrotechnical Standardization
Comité Européen de Normalisation Electrotechnique
Europäisches Komitee für Elektrotechnische Normung

CEN-CENELEC Management Centre: Avenue Marnix 17, B-1000 Brussels

Contents

European foreword.....3

1 Scope.....4

2 Normative references.....4

3 Terms and definitions4

4 Test procedure4

5 Instrumentation5

6 Information to be reported5

Tables

Table 101 — Operating conditions for transportable mitre saws5

European foreword

This document (EN 50632-3-9:2016) has been prepared by CLC/TC 116 "Safety of motor-operated electric tools".

The following dates are fixed:

- latest date by which this document has to (dop) 2017-05-03
be implemented at national level by
publication of an identical national
standard or by endorsement
- latest date by which the national standards (dow) 2018-05-03
conflicting with this
document have to be withdrawn

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CENELEC [and/or CEN] shall not be held responsible for identifying any or all such patent rights.

This European Standard is divided into three parts:

Part 1: General requirements for the dust measurement which are common to electric motor-operated tools (for the purpose of this standard referred to simply as tools);

Part 2 or 3: Requirements for the dust measurement for particular types of tools, which either supplement or modify the requirements given in Part 1 to account for the particular characteristics of these specific tools.

This Part 3 is to be used in conjunction with EN 50632-1:2015.

This Part 3 supplements or modifies the corresponding clauses in EN 50632-1:2015.

This Part 3 was developed to set out requirements for the measurement of the concentration for inhalable and respirable dust emitted by transportable mitre saws.

Where a particular subclause of Part 1 is not mentioned in this Part 3, that subclause applies as far as reasonable. When this standard states "addition", "modification" or "replacement", the relevant text in Part 1 is to be adapted accordingly.

Subclauses, tables and figures which are additional to those in Part 1 are numbered starting from 101.

This European Standard has been drafted in accordance with the CEN/CENELEC Internal Regulations, Part 3.

The following print types are used:

- requirements proper: in roman type;
- *test specifications: in italic type;*
- explanatory matter: in smaller roman type.

The terms defined in Clause 3 are printed in **bold typeface**.

1 Scope

This clause of Part 1 is applicable, except as follows:

Addition:

This part of EN 50632 applies to transportable **mitre saws** intended to cut wood and wood-based materials.

2 Normative references

This clause of Part 1 is applicable, except as follows:

Addition:

EN 622-5, *Fibreboards — Specifications — Part 5: Requirements for dry process boards (MDF)*

3 Terms and definitions

This clause of Part 1 is applicable, except as follows:

3.101

mitre saw

saw consisting of a table top and a fence which support and position the workpiece, and a saw unit, projecting over the table top

Note 1 to entry: Cutting is achieved by moving the saw unit through a plunging action or a combination of plunging and sliding actions. The workpiece does not move with respect to the table top or fence during cutting. Some mitre saws have a saw unit that is adjustable to cut at a bevel angle, a mitre angle or both angles to create a compound cut.

4 Test procedure

This clause of Part 1 is applicable, except as follows:

4.3 Operating conditions

Addition:

Transportable **mitre saws** are tested under load observing the conditions shown in Table 101.

During the test, **mitre saws** supplied with a working stand are placed on this working stand.

Other **mitre saws** are placed on a test bench with a height of approximately 750 mm.