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TRANSPORDITAVATELE SEINASAAGIDELE

Electric motor-operated hand-held tools, transportable  
tools and lawn and garden machinery - Safety - Part  
3-7: Particular requirements for transportable wall  
saws

## EESTI STANDARDI EESSÕNA

## NATIONAL FOREWORD

See Eesti standard EVS-EN IEC 62841-3-7:2021 sisaldab Euroopa standardi EN IEC 62841-3-7:2021 ingliskeelset teksti.	This Estonian standard EVS-EN IEC 62841-3-7:2021 consists of the English text of the European standard EN IEC 62841-3-7:2021.
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 and Accreditation.
Euroopa standardimisorganisatsioonid on teinud Euroopa standardi rahvuslikele liikmetele kättesaadavaks 21.05.2021.	Date of Availability of the European standard is 21.05.2021.
Standard on kättesaadav Eesti Standardimis- ja Akrediteerimiskeskusest.	The standard is available from the Estonian Centre for Standardisation and Accreditation.

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English Version

Electric motor-operated hand-held tools, transportable tools and  
lawn and garden machinery - Safety - Part 3-7: Particular  
requirements for transportable wall saws  
(IEC 62841-3-7:2020)

Outils électroportatifs à moteur, outils portables et machines  
pour jardins et pelouses - Sécurité - Partie 3-7: Exigences  
particulières pour les scies murales portables  
(IEC 62841-3-7:2020)

Elektrische motorbetriebene handgeführte Werkzeuge,  
transportable Werkzeuge und Rasen- und  
Gartenmaschinen - Sicherheit - Teil 3-7: Besondere  
Anforderungen für transportable Wandsägen  
(IEC 62841-3-7:2020)

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

CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

## European foreword

The text of document 116/455/FDIS, future edition 1 of IEC 62841-3-7, prepared by IEC/TC 116 "Safety of motor-operated electric tools" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN IEC 62841-3-7:2021.

The following dates are fixed:

- latest date by which the document has to be implemented at national (dop) 2022-04-26 level by publication of an identical national standard or by endorsement
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In the official version, for Bibliography, the following note has to be added for the standard indicated:

ISO 11203:1995 NOTE Harmonized as EN ISO 11203:2009 (not modified)

# INTERNATIONAL STANDARD

## NORME INTERNATIONALE

**Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery – Safety –  
Part 3-7: Particular requirements for transportable wall saws**

**Outils électroportatifs à moteur, outils portables et machines pour jardins et pelouses – Sécurité –  
Partie 3-7: Exigences particulières pour les scies murales portables**



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IEC Central Office  
3, rue de Varembe  
CH-1211 Geneva 20  
Switzerland

Tel.: +41 22 919 02 11  
[info@iec.ch](mailto:info@iec.ch)  
[www.iec.ch](http://www.iec.ch)

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# INTERNATIONAL STANDARD

## NORME INTERNATIONALE

**Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery – Safety –  
Part 3-7: Particular requirements for transportable wall saws**

**Outils électroportatifs à moteur, outils portables et machines pour jardins et pelouses – Sécurité –  
Partie 3-7: Exigences particulières pour les scies murales portables**

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## INTERNATIONAL ELECTROTECHNICAL COMMISSION

# **ELECTRIC MOTOR-OPERATED HAND-HELD TOOLS, TRANSPORTABLE TOOLS AND LAWN AND GARDEN MACHINERY – SAFETY –**

## **Part 3-7: Particular requirements for transportable wall saws**

### **FOREWORD**

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International Standard IEC 62841-3-7 has been prepared by IEC technical committee 116: Safety of motor-operated electric tools.

The text of this International Standard is based on the following documents:

FDIS	Report on voting
116/455/FDIS	116/461/RVD

Full information on the voting for the approval of this International Standard can be found in the report on voting indicated in the above table.

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

This Part 3-7 is to be used in conjunction with IEC 62841-1:2014.

This Part 3-7 supplements or modifies the corresponding clauses in IEC 62841-1, so as to convert it into the IEC Standard: Particular requirements for transportable wall saws.

Where a particular subclause of Part 1 is not mentioned in this Part 3-7, that subclause applies as far as relevant. Where this standard states "addition", "modification" or "replacement", the relevant text in Part 1 is to be adapted accordingly.

The following print types are used:

- requirements: in roman type;
- *test specifications: in italic type;*
- notes: in small roman type.

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

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

A list of all parts of the IEC 62841 series, under the general title: *Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery – Safety*, can be found on the IEC website.

The committee has decided that the contents of this document will remain unchanged until the stability date indicated on the IEC website under "<http://webstore.iec.ch>" in the data related to the specific document. At this date, the document will be

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- withdrawn,
- replaced by a revised edition, or
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It is the recommendation of the committee that the content of this publication be adopted for implementation nationally not earlier than 36 months from the date of publication.

# ELECTRIC MOTOR-OPERATED HAND-HELD TOOLS, TRANSPORTABLE TOOLS AND LAWN AND GARDEN MACHINERY – SAFETY –

## Part 3-7: Particular requirements for transportable wall saws

### 1 Scope

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

*Replacement of the third paragraph:*

The **rated voltage** is not more than 250 V for single-phase a.c. or d.c. tools, and 480 V for three-phase a.c. tools.

*Addition:*

This document applies to transportable **wall saws** guided by a **track guiding system** intended for dry cutting or to be connected to a **liquid system** for cutting concrete, stone or similar material by means of a **diamond wheel**. The rated speed of the **diamond wheel** does not exceed a peripheral speed of 100 m/s at **rated capacity**.

This document does not apply to transportable **wall saws** that are intended to be left unattended while performing an operation.

This document does not apply to transportable **wall saws** that employ hydraulic systems.

This document does not apply to hand-held cut-off machines.

NOTE 101 Hand-held cut-off machines will be covered by a future part of IEC 62841-2.

### 2 Normative references

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

*Replacement of normative reference ISO 3744:*

ISO 3744:2010, *Acoustics – Determination of sound power levels and sound energy levels of noise sources using sound pressure – Engineering methods for an essentially free field over a reflecting plane*

*Replacement of normative reference ISO 11201:*

ISO 11201:2010, *Acoustics – Noise emitted by machinery and equipment – Determination of emission sound pressure levels at a work station and at other specified positions in an essentially free field over a reflecting plane with negligible environmental corrections*

*Addition:*

IEC 61008-1:2010, *Residual current operated circuit-breakers without integral overcurrent protection for household and similar uses (RCCBs) – Part 1: General rules*

IEC 61008-1:2010/AMD1:2012

IEC 61008-1:2010/AMD2:2013

IEC 62841-1:2014, *Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery – Safety – Part 1: General requirements*

ISO 6603-1, *Plastics – Determination of puncture impact behaviour of rigid plastics – Part 1: Non-instrumented impact testing*

### 3 Terms and definitions

ISO and IEC maintain terminological databases for use in standardization at the following addresses:

- IEC Electropedia: available at <http://www.electropedia.org/>
- ISO Online browsing platform: available at <http://www.iso.org/obp>

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

#### 3.36 *Addition:*

NOTE 101 to entry: The primary function of a **wall saw** is the operation of the **diamond wheel**.

#### 3.58 *Modification:*

Item g) is not applicable.

#### 3.101

##### **diamond wheel**

metal wheel with a continuous or segmented abrasive rim

#### 3.102

##### **flange**

collar, disc, or plate between or against which **diamond wheels** are mounted

#### 3.103

##### **rated capacity**

maximum intended diameter of the **diamond wheel** to be fitted on the tool as recommended by the manufacturer's instructions

#### 3.104

##### **remote connection**

active communication between the tool and **remote control**, either wired or wireless

#### 3.105

##### **remote control**

unit with an enclosure separate from the **wall saw** with user controls consisting of at least a **power switch** for attended operation of the **wall saw**

Note 1 to entry: Controlling a **wall saw** with a **remote control** provides improved ergonomics for the operator.

#### 3.106

##### **saw unit**

unit on which the **diamond wheel**, the **wheel guard** and the interface to connect it to the **track guiding system** are mounted