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INTERNATIONAL STANDARD

**Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery - Safety -
Part 3-17: Particular requirements for transportable table masonry saws**

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

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FOREWORD

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IEC 62841-3-17 has been prepared by IEC technical committee 116: Safety of motor-operated electric tools. It is an International Standard.

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

Draft	Report on voting
116/953/FDIS	116/984/RVD

Full information on the voting for its approval can be found in the report on voting indicated in the above table.

The language used for the development of this International Standard is English.

This document was drafted in accordance with ISO/IEC Directives, Part 2, and developed in accordance with ISO/IEC Directives, Part 1 and ISO/IEC Directives, IEC Supplement, available at www.iec.ch/members_experts/refdocs. The main document types developed by IEC are described in greater detail at www.iec.ch/publications.

This document is to be used in conjunction with IEC 62841-1:2014 and IEC 62841-1:2014/AMD1:2025.

This document supplements or modifies the corresponding clauses in IEC 62841-1:2014, so as to convert it into the IEC Standard: Particular requirements for transportable table masonry saws.

Where a particular subclause of IEC 62841-1:2014 is not mentioned in this document, that subclause applies as far as relevant. Where this document states "addition", "modification" or "replacement", the relevant text in IEC 62841-1:2014 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, tables and figures which are additional to those in IEC 62841-1:2014, except as described for Annex K below, are numbered starting from 101.

Subclauses, notes, tables and figures in Annex K which are additional to those in the main body of this document are numbered starting from 301.

NOTE The attention of National Committees is drawn to the fact that equipment manufacturers and testing organizations can need a transitional period following publication of a new, amended or revised IEC publication in which to make products in accordance with the new requirements and to equip themselves for conducting new or revised tests.

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.

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 webstore.iec.ch in the data related to the specific document. At this date, the document will be

- reconfirmed,
- withdrawn, or
- revised.

1 Scope

IEC 62841-1:2014, Clause 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 **type 1 table masonry saws** and **type 2 table masonry saws** that are equipped with one or more **diamond cutting wheels** with peripheral gaps, if any, not exceeding 10 mm and having no positive rake angle, having a diameter not exceeding 600 mm and used for cutting tile, bricks, stone, concrete block or other similar material.

This document also applies to transportable **type 4 masonry saws** intended only for use with continuous rim **diamond cutting wheels** having a diameter not exceeding 260 mm and used for cutting tile, bricks, stone, concrete block or other similar material.

This document does not apply to tools equipped with bonded abrasive wheels.

This document does not apply to transportable cut-off machines.

NOTE 101 Transportable cut-off machines are covered by IEC 62841-3-10.

This document does not apply to type-3 cutting off machines in accordance with EN 12418:2021.

2 Normative references

IEC 62841-1:2014, Clause 2 and IEC 62841-1:2014/AMD1:2025, Clause 2 are applicable, except as follows.

Replacement

IEC 61540:2023, *Portable residual current devices (PRCDs) without integral overcurrent protection for household and similar use*

Addition:

IEC 60335-2-41:2024, *Household and similar electrical appliances - Safety - Part 2-41: Particular requirements for pumps*

IEC 61008-1:2024, *Residual current operated circuit-breakers without integral overcurrent protection for household and similar uses (RCCBs) - Part 1: General rules*

IEC 61008-2-1:2024, *Residual current operated circuit-breakers without integral overcurrent protection for household and similar uses (RCCBs) - Part 2-1: RCCBs according to classification 4.1.1*

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

IEC 62841-1:2014/AMD1:2025

Bibliography

The bibliography of IEC 62841-1:2014 and of IEC 62841-1:2014/AMD1:2025 are applicable, except as follows.

Addition:

IEC 62841-3-10, *Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery - Safety - Part 3-10: Particular requirements for transportable cut-off machines*

ASTM B258-02, *Standard Specification for Standard Nominal Diameters and Cross-Sectional Areas of AWG Sizes of Solid Round Wires Used as Electrical Conductors*

CSA C22.1-18, *Canadian Electrical Code - Part I - Safety Standard for Electrical Installations (24th Edition)*

EN 1339:2003, *Concrete paving flags - Requirements and test methods*

EN 12418:2021, *Masonry and stone cutting-off machines for job site - Safety*

EN IEC 62841-3-17, *Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery - Safety - Part 3-17: Particular requirements for transportable table masonry saws*¹

NFPA 70:2023, *National Electrical Code*

UL 1053, *Ground-Fault Sensing and Relaying Equipment*

¹ To be published. Stage at CENELEC at the time of publication: FprEN IEC 62841-3-17.