

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

COMMISSION
ELECTROTECHNIQUE
INTERNATIONALE

ICS 25.140.20

ISBN 978-2-8322-8443-8

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CONTENTS

FOREWORD.....	4
1 Scope.....	6
2 Normative references	6
3 Terms and definitions	7
4 General requirements	9
5 General conditions for the tests	9
6 Radiation, toxicity and similar hazards.....	9
7 Classification.....	9
8 Marking and instructions.....	10
9 Protection against access to live parts.....	12
10 Starting	12
11 Input and current	12
12 Heating.....	12
13 Resistance to heat and fire	12
14 Moisture resistance	12
15 Resistance to rusting.....	15
16 Overload protection of transformers and associated circuits	15
17 Endurance.....	15
18 Abnormal operation	15
19 Mechanical hazards.....	16
20 Mechanical strength	18
21 Construction	19
22 Internal wiring.....	20
23 Components	20
24 Supply connection and external flexible cords	21
25 Terminals for external conductors.....	22
26 Provision for earthing	22
27 Screws and connections	22
28 Creepage distances, clearances and distances through insulation.....	22
Annexes	23
Annex C (normative) Leakage current.....	23
Annex I (informative) Measurement of noise and vibration emissions.....	24
Annex K (normative) Battery tools and battery packs	28
Bibliography.....	29
Figure 101 – Wall saw	8
Figure 102 – Wall saw with wheel guard removed.....	9
Figure 103 – Safety sign illustrating – "WARNING – Always wear eye protection".....	10
Figure I.101 – Wall saw setup for noise measurement (wheel guard not shown)	25

Table 4 – Required performance levels 16

Table 101 – Material properties and minimum thickness of the wheel guard..... 18

Table 8 – Minimum cross-sectional area and AWG sizes of supply cords21

Table I.101 – Expected uncertainty values27

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

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- withdrawn,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

NOTE The attention of National Committees is drawn to the fact that equipment manufacturers and testing organizations may 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.

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*