IEC 62841-3-1

Edition 1.2 2025-11

INTERNATIONAL STANDARD

CONSOLIDATED VERSION

Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery - Safety -
Part 3-1: Particular requirements for transportable table saws

ICS 25.140.20

ISBN 978-2-8327-0855-2

IEC 62841-3-1:2014-06+AMD1:2021-03+AMD2:2025-11 CSV(en)

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

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Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery - Safety - Part 3-1: Particular requirements for transportable table saws

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This consolidated version of the official IEC Standard and its amendments has been prepared for user convenience.

IEC 62841-3-1 edition 1.2 contains the first edition (2014-06) [documents 116/168/FDIS and 116/182/RVD] and its corrigendum (2015-11), its amendment 1 (2021-03) [documents 116/485/FDIS and 116/492/RVD] and its amendment 2 (2025-11) [documents 116/920/FDIS and 116/933/RVD].

In this Redline version, a vertical line in the margin shows where the technical content is modified by amendments 1 and 2. Additions are in green text, deletions are in strikethrough red text. A separate Final version with all changes accepted is available in this publication.

International Standard IEC 62841-3-1 has been prepared by IEC technical committee 116: Safety of motor-operated electric tools.

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

This Part 3-1 is to be used in conjunction with the first edition of IEC 62841-1 (2014).

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

Where a particular subclause of Part 1 is not mentioned in this Part 3-1, that subclause applies as far as reasonable. 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 and its amendments 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.

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.

1 Scope

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

Addition:

This part of IEC 62841 applies to transportable **table saws** with

– a toothed single blade; or
– stacked blades that cut a single groove or slot; or
– a moulding head cutter

intended for cutting wood and analogous materials, plastics and nonferrous metals except magnesium with a saw blade diameter between 105 mm and 315 mm, which hereinafter may simply be referred to as saw or tool.

This standard does not apply to **table saws** intended to cut other metals, such as magnesium, steel and iron. This standard does not apply to **table saws** with an automatic feeding device.

This standard does not apply to saws designed for use with abrasive wheels.

NOTE 101 Saws designed for use with abrasive wheels as cut-off machines are covered by IEC 62841-3-10.

This standard does not apply to **table saws** with more than one spindle such as for a scoring blade.

NOTE 102 In Europe (EN 62841-3-1), the following conditions apply:

This standard applies to **table saws** having a mass of:

– maximum 25 kg for tools capable of being lifted by hand by one person;
– maximum 50 kg for tools capable of being lifted by hand by two persons.

This standard does not apply to stationary **table saws**.

2 Normative references

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

Addition:

ISO 180:2019, *Plastics – Determination of Izod impact strength*

NOTE In Europe (EN 62841-3-1), the following normative reference applies:

EN 847-1, *Tools for woodworking – Safety requirements – Part 1: Milling tools, circular saw blade*

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