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**NATIONAL STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

GB/T 3883.302-2021

**Safety of motor-operated hand-held, transportable and garden
tools - Part 302: Particular requirements for transportable table
saws**

Issued on: April 30, 2021

Implemented on: November 1, 2021

**Issued by: State Administration for Market Regulation, China National
Standardization Administration**

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Foreword

This document is in accordance with the provisions of GB/T 1.1-2020 "Guidelines for Standardization Work Part 1. Structure and Drafting Rules of Standardization Documents" Drafting.

This document is part 302 of GB/T 3883 "Safety of Handheld and Portable Electric Tools and Garden Tools". "Handheld, removable

Movable power tools are currently composed of the following 5 parts in Part 3 of "Safety of Portable Power Tools and Garden Tools".

---GB/T 3883.306-2017 The safety of hand-held and portable electric tools and garden tools-Part 3. Removable liquid

Special requirements for source diamond drills;

---GB/T 3883.311-2019 Hand-held, portable electric tools and garden tools safety part 311. portable type

Special requirements for wood cutting machines;

Special requirements for saws;

---GB/T 3883.305-2021 Hand-held, portable electric tools and garden tools safety part 305. portable table

Special requirements for type grinders;

---GB/T 3883.309-2021 Hand-held, portable electric tools and garden tools safety part 309. portable oblique

Special requirements for cutting saws.

This document replaces GB/T 13960.2-2008 "Safety Part II of Portable Electric Tools. Special Requirements for Circular Saws", and

Compared with GB/T 13960.2-2008, the main technical changes are.

1) Scope. Add descriptions of saw blades and knives, cutting objects and inapplicable scopes, and modify the diameter range of saw blades (see section

Chapter 1, Chapter 1 of the.2008 edition);

2) Normative references. add ISO 180 (see Chapter 2, Chapter 2 of the.2008 edition);

3) In terms and definitions. "circular saw" is modified to "table saw"; "anti-rebound device", "tilt angle", "cross saw" and other definitions are added (see section

Chapter 3, Chapter 3 of the.2008 edition);

4) General requirements. Add descriptions about saw blades, dividers and D (see Chapter 4, Chapter 4 of the.2008 edition);

5) Test general conditions. increase the definition of table saw quality (see Chapter 5, Chapter 5 of the.2008 edition);

6) Marks and instructions. modify the safety warnings, putting into use, operating instructions and maintenance and after-sales service instructions in the instructions (see section

Chapter 8, Chapter 8 of the.2008 edition);

7) Abnormal operation. Modify Table 4 of Part 1 (see Chapter 18, Chapter 18 of the.2008 edition);

8) Mechanical hazards. add parts that can be disassembled without the help of tools; increase the requirements for dust collection ports above the workbench; modify the work

The force of the bench overturning test; the requirements of the guard are divided into the saw blade guard installed on the extended splitting knife and the cantilever saw blade guard, and there are

Corresponding requirements; increase the relevant requirements of the splitting knife; increase the saw blade guard and anti-rebound device and the requirements of running and stopping time (see section

Chapter 19, Chapter 19 of the.2008 edition);

9) Mechanical strength. increase the strength and thickness requirements of the saw blade guard material; increase the strength test requirements of the splitting knife (and the extended splitting knife)

Requirements; increase the table saw handling device and its strength test requirements; increase the strength requirements of the table saw bracket (if provided), etc.; combine the saw table with

The requirements and dimensions of flanges, etc. are moved to Chapter 21 (see Chapter 20, Chapter 20 of the.2008 edition);

10) Structure. increase requirements for dust collection; increase requirements for saw blade (tool) replacement; increase requirements for push rods, size and strength, etc.

Requirements; increase the requirements for saw blade alignment; increase the requirements for the table and size; increase the requirements for parallel and horizontal saws against the grid; increase and decrease

Small springback requirements; increase spindle and flange size requirements, etc. (see Chapter 21, Chapter 21 of the.2008 edition);

11) Components. Add the requirement that "the protective device and circuit of the table saw should be non-self-resetting" (see Chapter 23,.2008 edition

Chapter 23);

12) Add Appendix I (informative) noise and vibration measurement;

13) Appendix K. Replace 8.14.1.101.1a) of Part 2.

The translation method used in this document is equivalent to the IEC 62841-3-1.2014 "Electric Motor Driven Handheld and Portable Electric Tools and Garden Machines"

Safety Part 3-1.Particular Requirements for Portable Table Saws".

This document has made the following editorial changes.

---The name of the standard was revised to "Safety of hand-held and portable electric tools and garden tools. Part 302.Specialty of portable table saws.

Application requirements";

---Incorporated the technical errata of IEC 62841-3-1.2014/COR1.2015, and added "Shut off the protection device and circuit application of the table saw

For non-self-reset requirements, the outer margins of the terms involved are marked with a vertical double line (||).

This document shall be in accordance with GB/T 3883.1-2014 "Safety of Handheld and Portable Electric Tools and Garden Tools Part 1.General Requirements"

Seek to be used together.

The "applicable" part of this document indicates that the corresponding clauses in GB/T 3883.1-2014 apply; the "replacement" part of this document,

The terms in this document shall prevail; the part in this document that states "modification" indicates the relevant provisions of GB/T 3883.1-2014

The content shall be subject to the revised content of this document, and the other content in this clause still applies; the "increase" part of this document indicates that in addition to

In addition to complying with the corresponding provisions of GB/T 3883.1-2014, it should also comply with the additional provisions of this document.

This document was proposed by the China Electrical Equipment Industry Association.

This document is under the jurisdiction of the National Electric Tool Standardization Technical Committee (SAC/TC68).

Introduction