

# INTERNATIONAL STANDARD

# NORME INTERNATIONALE

## AMENDMENT 1 AMENDEMENT 1

**Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery – Safety –  
Part 3-14: Particular requirements for transportable drain cleaners**

**Outils électroportatifs à moteur, outils portables et machines pour jardins et pelouses – Sécurité –  
Partie 3-14: Exigences particulières pour les furets portables**





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IEC Secretariat  
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 ELECTROTECHNICAL COMMISSION

**ELECTRIC MOTOR-OPERATED HAND-HELD TOOLS, TRANSPORTABLE  
TOOLS AND LAWN AND GARDEN MACHINERY – SAFETY –****Part 3-14: Particular requirements for transportable drain cleaners****AMENDMENT 1****FOREWORD**

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Amendment 1 to IEC 62841-3-14:2017 has been prepared by IEC technical committee 116: Safety of motor-operated electric tools.

The text of this Amendment is based on the following documents:

Draft	Report on voting
116/807/FDIS	116/833/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 Amendment 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](http://www.iec.ch/members_experts/refdocs). The main document types developed by IEC are described in greater detail at [www.iec.ch/publications/](http://www.iec.ch/publications/).

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## 2 Normative references

*Replace the existing text of Clause 2 with the following new text:*

This clause of IEC 62841-1:2014 is applicable, except as follows:

*Addition:*

IEC 62841-1:2014, *Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery – Safety – Part 1: General requirements* [2024](https://standards.iteh.ai/catalog/standards/iec/1e775a81-809d-4377-8c88-cf449766eb97/iec-62841-3-14-2017-amd1-2024)

## 17 Endurance

*Replace the existing text (including the text in 17.101) with the following new text:*

IEC 62841-1:2014, Clause 17 is applicable.

## 19 Mechanical hazards

*Add the following new subclause:*

**19.102.3** The device for **sectional machines** as required in 21.18.2.1 shall have sufficient endurance for safe operation.

*Compliance is checked by the following test.*

*The **sectional machine** is fitted with the longest **drain cleaner cable** section of the largest diameter permitted in accordance with 8.14.2 a) 101). The tool is switched on.*

*For the endurance test, the device is actuated with the minimum required force to rotate the **drain cleaner cable** section and then released until the **drain cleaner cable** section rotation has completely stopped. This actuation and release is repeated for 10 000 cycles or until the device fails to rotate the **drain cleaner cable** section, whichever occurs first. During the test, any **user maintenance** to ensure the correct operation of the device is allowed.*

*During the test, the **drain cleaner cable** section shall always stop rotating when the device is released.*

## 21 Construction

*Replace the existing text of 21.18.2.1, Note 101 with the following new text:*

NOTE 101 The endurance requirements of the device are covered in 19.102.3.

*Add the following new subclause before 21.101:*

**21.35** This subclause of IEC 62841-1:2014 is not applicable.

## 23 Components

*Replace the existing text of Clause 23 with the following new text:*

This clause of IEC 62841-1:2014 is applicable, except as follows:

**23.3** This subclause of IEC 62841-1:2014 is not applicable.

## Annex I – Measurement of noise and vibration emissions

*Add, before I.2.4, the following new subclause:*

### I.2.3.2 Transportable tools

*Replacement:*

The microphone shall be located at a reference point that is 1 m from the point and the direction where the **drain cleaner cable** exits the tool. The microphone shall be located directly above the reference point at a height in the range of  $(0,8 \pm 0,075)$  m.