

BS EN 50636-2-100:2014



BSI Standards Publication

Household and similar electrical appliances — Safety

Part 2-100: Particular requirements for hand-held mains-operated garden blowers, vacuums and blower vacuums

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National foreword

This British Standard is the UK implementation of EN 50636-2-100:2014.

The UK participation in its preparation was entrusted to Technical Committee CPL/116, Safety of motor-operated electric tools.

A list of organizations represented on this committee can be obtained on request to its secretary.

This publication does not purport to include all the necessary provisions of a contract. Users are responsible for its correct application.

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EUROPEAN STANDARD

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English Version

**Household and similar electrical appliances - Safety - Part 2-100:
Particular requirements for hand-held mains-operated garden
blowers, vacuums and blower vacuums**

Appareils électrodomestiques et analogues - Sécurité -
Partie 2-100 : Exigences particulières pour les souffleurs,
aspirateurs et aspiro-souffleurs portatifs pour le jardin,
alimentés par le secteur

Sicherheit elektrischer Geräte für den Hausgebrauch und
ähnliche Zwecke - Teil 2-100: Besondere Anforderungen für
handgehaltene netzbetriebene Laubgebläse und/oder -
sauger

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Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the CEN-CENELEC Management Centre or to any CENELEC member.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CENELEC member into its own language and notified to the CEN-CENELEC Management Centre has the same status as the official versions.

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European Committee for Electrotechnical Standardization
Comité Européen de Normalisation Electrotechnique
Europäisches Komitee für Elektrotechnische Normung

CEN-CENELEC Management Centre: Avenue Marnix 17, B-1000 Brussels

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Foreword

This document (EN 50636-2-100:2014) has been prepared by CLC/TC 116, "Safety of motor-operated electric tools".

The following dates are fixed:

- latest date by which the EN has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2014-12-20
- latest date by which the national standards conflicting with the EN have to be withdrawn (dow) 2016-11-25

EN 50636-2-100:2014 includes the following significant technical changes:

- rewording of some clauses;
- alignment to the European Machinery Directive 2006/42/EC;
- alignment to EN 60335-1:2012.

This document is to be used in conjunction with EN 60335-1:2012 and its amendments "*Household and similar electrical appliances - Safety – Part 1: General requirements*".

When "Part 1" is mentioned in this standard, it refers to EN 60335-1:2012.

This document supplements or modifies the corresponding clauses in Part 1, so as to convert that publication into the European Standard "*Particular requirements for **hand-held** mains-operated **garden blowers, vacuums and blower vacuums***".

Where a particular subclause of Part 1 is not mentioned in this document, that subclause applies as far as is relevant. Where this standard states "addition", "modification" or "replacement", the relevant text in Part 1 is to be adapted accordingly.

Compliance with the relevant clauses of Part 1 together with this Part 2 provides one means of conforming to the specified essential health and safety requirements of the Directive.

This European Standard follows the overall requirements of EN ISO 12100:2010.

The following numbering system is used:

- subclauses, notes, tables and figures that are numbered starting from 101 are additional to those in Part 1;
- additional annexes are lettered AA, BB, etc.;

NOTE In this European Standard the following print types are used:

- requirements proper: in roman type;
- *test specifications: in italic type;*
- explanatory matter: in smaller roman type.

Words in **bold** in the text are defined in clause 3. When a definition concerns an adjective, the adjective and the associated noun are also in bold.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CENELEC [and/or CEN] shall not be held responsible for identifying any or all such patent rights.

This document has been prepared under a mandate given to CENELEC by the European Commission and the European Free Trade Association, and supports essential requirements of EU Directive.

For the relationship with EU Directive 2006/42/EC, see informative Annex ZZ, which is an integral part of this document.

Warning: Other requirements arising from other EU Directives can be applicable to the products falling within the scope of this European Standard.

Introduction

This document is a type C standard as stated in EN ISO 12100:2010.

The machinery concerned and the extent to which hazards, hazardous situations and events are covered is as indicated in the scope of this document.

When provisions of this type C standard are different from those which are stated in type A or B standards, the provisions of this type C standard take precedence over the other standards, for machines which have been built and designed to the provisions of this type C standard.

1 Scope

Replacement:

This European Standard specifies the safety requirements and their verification for the design and construction of **hand-held** mains-operated electrical **garden vacuums**, and **garden blower/vacuums** with or without **shredding means** and **garden blowers**, hereinafter referred to as **machine(s)**, for use at and around the home or for similar purposes, their **rated voltage** being not more than 250 V single phase.

This European Standard does not apply to:

- machines powered by combustion engines;
NOTE 1 Combustion engine driven machines are covered by EN 15503.
- machines driven by an external power source;
- machines powered from a 3 phase supply;
- vacuum cleaners intended primarily for use indoors, for water suction cleaning or animal grooming;
NOTE 2 EN 60335-2-2 deals with this type of machine.
- walk-behind, hand-guided (support-wheeled) and ride-on machines;
- combination of a mains driven and/or battery powered blowers and vacuums with internal combustion engines (hybrid);
- **back-pack powered blowers** and **back-pack powered vacuums**.

EMC and environmental aspects, except noise, have not been considered in this standard.

This European Standard deals with all the significant hazards presented by **hand-held** mains-operated electrical **garden vacuums**, **garden blower/vacuums** with or without **shredding means** and **garden blowers** when they are used as intended and under conditions of misuse which are reasonably foreseeable.

This European Standard is not applicable to machines, which are manufactured before the date of publication of this document by CENELEC.