

IRISH STANDARD

I.S. EN 60335-2-92:2005

ICS 65.060.70

HOUSEHOLD AND SIMILAR ELECTRICAL

APPLIANCES - SAFETY -- PART 2-92:

PARTICULAR REQUIREMENTS FOR

PEDESTRIAN-CONTROLLED

MAINS-OPERATED LAWN SCARIFIERS

AND AERATORS

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EUROPEAN STANDARD

EN 60335-2-92

NORME EUROPÉENNE

EUROPÄISCHE NORM

July 2005

ICS 65.060.70

English version

Household and similar electrical appliances – Safety Part 2-92: Particular requirements for pedestrian-controlled mains-operated lawn scarifiers and aerators

(IEC 60335-2-92:2002 + corrigendum 2003, modified)

Appareils électrodomestiques et analogues – Sécurité
Partie 2-92: Règles particulières pour les scarificateurs de gazon et les aérateurs fonctionnant sur le réseau et pour conducteur à pied (CEI 60335-2-92:2002 + corrigendum 2003, modifiée)

Sicherheit elektrischer Geräte für den Hausgebrauch und ähnliche Zwecke Teil 2-92: Besondere Anforderungen für handgeführte netzbetriebene Rasen-Vertikutierer und Rasen-Lüfter (IEC 60335-2-92:2002 + corrigendum 2003, modifiziert)

This European Standard was approved by CENELEC on 2005-06-01. CENELEC members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration.

Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the Central Secretariat 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 Central Secretariat has the same status as the official versions.

CENELEC members are the national electrotechnical committees of Austria, Belgium, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Slovakia, Slovenia, Spain, Sweden, Switzerland and United Kingdom.

CENELEC

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

Central Secretariat: rue de Stassart 35, B - 1050 Brussels

Foreword

The text of the International Standard IEC 60335-2-92:2002 and its corrigendum May 2003, prepared by SC 61F, Safety of hand-held motor-operated electric tools, of IEC TC 61, Safety of household and similar electrical appliances, together with the common modifications prepared by the Technical Committee CENELEC TC 61F, Safety of hand-held and transportable motor-operated electric tools (WG5, Gardening appliances), was submitted to the formal vote and was approved by CENELEC as EN 60335-2-92 on 2005-06-01.

The following dates were 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) 2006-06-01

latest date by which the national standards conflicting with the EN have to be withdrawn

(dow) 2008-06-01

In this European Standard the common modifications to the International Standard are indicated by a vertical line in the left margin of the text.

This standard has to be used in conjunction with EN 60335-1, Safety of household and similar electrical appliances – Part 1: General requirements, and EN 13684, Garden equipment – Pedestrian controlled lawn aerators and scarifiers – Safety.

This Part 2 supplements or modifies the corresponding clauses of EN 60335-1, so as to convert it into the European Standard: Particular requirements for pedestrian-controlled mains-operated lawn scarifiers and aerators.

When a particular subclause of Part 1 is not mentioned in this Part 2, that subclause applies as far as is reasonable. When this standard states "addition", "modification" or "replacement", the relevant text of Part 1 is to be adapted accordingly.

This European Standard has been prepared under a mandate given to CEN and CENELEC by the European Commission and the European Free Trade Association and supports the essential health and safety requirements of the Machinery Directive. See Annex ZZ.

Other harmonised standards referred to this European Standard are listed in Annex ZC of Part 1 and this part. The annex lists the valid edition of those documents at the time of issue of this EN. All references are however to be understood as references to the latest edition.

NOTE 1 The following numbering system is used

- subclauses, tables and figures that are numbered starting from 101 are additional to those in Part 1;
- unless notes are in a new subclause or involve notes in Part 1, they are numbered starting from 101, including those in a replaced clause or subclause;
- additional annexes are lettered AA, BB, etc.;
- subclauses, figures and annexes that are additional to those in the IEC standard are prefixed with the letter Z.

NOTE 2 In this standard the following print types are used:

- Requirements proper;
- Test specifications
- Explanatory matter.

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1 Scope

This clause of Part 1 is replaced by:

This European Standard specifies safety requirements and their verification for the design and construction of pedestrian controlled mains operated lawn scarifiers and aerators with a rated voltage being not more than 250 V single phase.

This standard does not apply to

- non-powered aerators,
- vertical axis aerators,
- aerators which cut into the soil by means of a reciprocating motion,
- battery powered lawn scarifiers and aerators.
- aerators cutting in the soil by water pressure.

This standard is not applicable to aerators/scarifiers which are manufactured before the date of publication of this document by CENELEC.

2 Normative references

This clause of Part 1 is applicable except as follows.

Addition:

EN 13684, Garden equipment - Pedestrian controlled lawn aerators and scarifiers - Safety

EN ISO 12100-1, Safety of machinery – Basic concepts, general principles for design – Part 1: Basic terminology, methodology

EN ISO 12100-2, Safety of machinery – Basic concepts, general principles for design – Part 2: Technical principles

EN 60320-2-3, Appliance couplers for household and similar general purposes - Appliance couplers with a degree of protection higher than IPX0

3 Definitions

This clause of Part 1 is applicable except as follows.

3.1.9 Replacement:

normal operation

operation of the machine under the following conditions: the machine is operated at rated voltage with the load necessary to attain rated power input



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