

Specification for

Safety of household electrical appliances —

Part 2: Particular requirements —

Section 2.32 Mains-operated electric
lawnmowers

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The organizations marked with an asterisk in the above list, together with the following, were directly represented on the committee entrusted with the preparation of this British Standard:

Association of Control Manufacturers	Federation of British Horticultural Exporters
Association of Manufacturers allied to the Electrical and Electronic Industry	Fire Protection Association
British Lawn Mower and Grass Cutter Makers' Association	Home Office
Consumers' Association	Portable Electric Tool Manufacturers' Association
Consumer Standards Advisory Committee	Royal Institute of British Architects
Electrical Association for Women	Small Electric Motor Manufacturers' Association

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Foreword

This British Standard has been prepared under the authority of the Electrical Industry Standards Committee and is one of a series of sections of the specification for the safety of household electrical appliances¹⁾.

This Section 2.32 specifies requirements which depart from, or are additional to, those given in the 1969 edition of BS 3456-1, “*General requirements*”, and the clauses are numbered to correspond with those given in Part 1.

Battery-operated lawnmowers are not included within its scope but these will be the subject of a later section of BS 3456-2.

A British Standard does not purport to include all the necessary provisions of a contract. Users of British Standards are responsible for their correct application.

Compliance with a British Standard does not of itself confer immunity from legal obligations.

Summary of pages

This document comprises a front cover, an inside front cover, pages i and ii, pages 1 to 8, an inside back cover and a back cover.

This standard has been updated (see copyright date) and may have had amendments incorporated. This will be indicated in the amendment table on the inside front cover.

¹⁾ See the inside back cover of this standard.

1 Scope

This Section 2.32 of BS 3456 covers mains-operated pedestrian controlled electric lawnmowers for household use, including those of the self-propelled type. It does not cover battery-operated lawnmowers.

It is to be read in conjunction with Part 1 of the standard and the appliances are required to comply in all respects with the requirements specified in Part 1 except in so far as they are modified by this Section 2.32.

NOTE The titles of the British Standards referred to in this standard are listed on the inside back cover.

2 Definitions

For the purposes of this section of this British Standard, the definitions of Part 1 apply, with the following modification and addition:

to **2.23** as a modification:

Normal load The load necessary to obtain rated input at continuous operation at rated voltage.

The following additional definition applies:

Power supply cord. A flexible cord, for supply purposes, fixed to, or assembled with, the appliance according to one of the following methods.

- i) *type X attachment.* A method of attachment such that the flexible cable or cord can be replaced easily, without the aid of special purpose tools, by a flexible cable or cord not requiring any special preparation.
- ii) *type M attachment.* A method of attachment such that the flexible cable or cord can be replaced easily, without the aid of special purpose tools, by a special cable or cord with, for example, a moulded-on cord guard or crimped terminations.
- iii) *type Y attachment.* A method of attachment such that the flexible cable or cord can be replaced only with the aid of special purpose tools normally available only to the manufacturer or his agents.

NOTE Type Y attachments may be used either with common flexible cables or cords, or with special cables or cords.

3 General requirement

This clause of Part 1 applies.

4 General conditions for the tests

This clause of Part 1 applies, with the following modification:

to **4.4**:

Cutting members in mechanical engagement shall be separated before the tests or adequately lubricated before and during the tests.

5 Rating

This clause of Part 1 applies.

6 Classification

This clause of Part 1 applies, with the following modifications:

to **6.1 1**):

Lawnmowers shall be of Class II or Class III construction.

to **6.1 2**):

Lawnmowers shall be at least splash-proof.

7 Marking

This clause of Part 1 applies, with the following additional subclauses:

I. The user instructions shall include the following warning notice which shall also be placed on the mower in a prominent position. The minimum height of lettering shall be 3 mm.

“WARNING
SWITCH OFF, REMOVE PLUG FROM MAINS
BEFORE ADJUSTING, CLEANING OR IF CORD
IS ENTANGLED”.

II. If the blades or cutters are concealed from view when the mower is in the operating position and give no visual indication of rotation, the user instructions shall include the following warning, which shall also be included in the warning notice prescribed in **7.I**:

“BLADES CONTINUE TO ROTATE AFTER
MACHINE IS SWITCHED OFF”.

III. If the mower is to be operated from an isolating transformer, the operating voltage shall be stated on a warning notice on the appliance and in the user instructions. The user instructions shall also specify the transformer required, and emphasize that the length of cord between the transformer and the supply plug should be as short as possible.

NOTE The operating voltage may be incorporated in the warning notices prescribed in **7.I** and **7.II**.

IV. The user instructions shall include a note to the effect that the supply cord should be regularly examined for signs of damage or ageing and that it must not be used unless it is in good condition.