

Hand-held electric motor-operated tools —

Part 2: Particular requirements —

Section 2.14 Specification for hedge trimmers and scissor-type grass shears

(Implementation of CENELEC HD 400.3 Section N S2)

IMPORTANT NOTE. Before reading this Section it is essential to read BS 2769-2.0 *General introduction and list of Sections* published separately.

Committees responsible for this British Standard

The preparation of this British Standard was entrusted by the Light Electrical Engineering Standards Policy Committee (LEL/-) to Technical Committee LEL/161, upon which the following bodies were represented:

- Association of Consulting Scientists
- Association of Control Manufacturers TACMA (BEAMA Ltd.)
- Association of Manufacturers of Domestic Electrical Appliances
- British Cable Makers' Confederation
- British Electrotechnical Approvals Board
- British Gas plc
- British Lawn Mower Manufacturers' Federation
- British Pest Control Association
- British Retail Consortium
- Catering Equipment Manufacturers' Association
- Consumer Policy Committee of BSI
- Consumers' Association
- Department of Trade and Industry (Consumer Safety Unit, CA Division)
- Electrical Installation Equipment Manufacturers' Association (BEAMA Ltd.)
- Electricity Association
- Health and Safety Executive
- Institute of Trading Standards Administration
- Institution of Electrical Engineers
- Loss Prevention Council
- Portable Electric Tool Manufacturers' Association
- Rotating Electrical Machines Associaton (BEAMA Ltd.)
- Royal Society for the Prevention of Accidents
- Small Electrical Appliances Marketing Association

The following bodies were also represented in the drafting of the standard, through subcommittees and panels:

- Association of Manufacturers Allied to the Electrical and Electronic Industry (BEAMA Ltd.)
- Hire Association Europe
- Institution of Incorporated Executive Engineers
- Radio Electrical and Television Retailers' Association

Amendments issued since publication

Amd. No.	Date	Comments
7505	November 1992	Indicated by a sideline in the margin

This British Standard, having been prepared under the direction of the Light Electrical Engineering Standards Policy Committee, was published under the authority of the Standards Board and comes into effect on 1 August 1992

© BSI 07-1999

First published June 1984
Second edition August 1992

The following BSI references relate to the work on this standard:
Committee reference LEL/161
Draft for comment 90/26799 DC

ISBN 0 580 20985 7

Contents

	Page
Committees responsible	Inside front cover
National foreword	ii
Foreword	2
1 Scope	3
2 Definitions	3
3 General requirements	3
4 General conditions for the tests	3
5 Rating	3
6 Classification	3
7 Marking	3
8 Protection against electric shock	4
9 Starting	5
10 Input and current	5
11 Heating	5
12 Leakage current	5
13 Radio interference suppression	5
14 Moisture resistance	6
15 Insulation resistance and electric strength	6
16 Endurance	6
17 Abnormal operation	6
18 Mechanical hazards	6
19 Mechanical strength	6
20 Construction	6
21 Components	7
22 Internal wiring	7
23 Supply connection and external flexible cables and cords	7
24 Terminals for external conductors	7
25 Provision for earthing	7
26 Screws and connections	7
27 Creepage distances, clearances and distances through insulation	7
28 Resistance to heat, fire and tracking	7
29 Resistance to rusting	7
Annex A Thermal cut-outs and overload releases	8
Annex B Routine tests	8
Figure 14.1 — Hedge trimmer parts	4
Figure 14.2 — Handle insulation impact test apparatus	5
Figure 14.3 — Hedge trimmer blade dimensions	7
List of references	Inside back cover

National foreword

This British Standard has been prepared under the direction of the Light Electrical Engineering Standards Policy Committee. This Section of BS 2769 implements HD 400.3 Section N S2 of the European Committee for Electrotechnical Standardization (CENELEC). It includes new requirements with regard to insulation, two-handed switching and run-down time.

The foreword of HD 400.3N S2 makes reference to the “date of withdrawal”, date of the relevant national standard. In this case the relevant national standard is BS 2769-2.14:1984 which will be withdrawn on 1 August 1992. Certificates and marks will not be awarded after this date with respect to the withdrawn British Standard. However such certificates and marks, already awarded, may continue to apply to production until 1 August 1997.

Product certification. Attention is drawn to the fact that products conforming to this British Standard may be approved by BSI Quality Assurance, and that such certification may be used for the purposes of participation in the CENELEC Certification Agreement. (Details of the BSI certification marks are given on the inside back cover.)

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, the HD title page, pages 2 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.

HARONIZATION DOCUMENT
DOCUMENT D'HARMONISATION
HARMONISIERUNGSDOKUMENT

HD 400.3N S2

February 1992

UDC 621.9-182.4-83:621.313.13

Descriptors: Hand-held motor operated tools, particular requirements on safety, hedge trimmers and scissor-type grass shears

English version

Hand-held motor operated tools
Part II: Particular specifications
Section N: Hedge trimmers and scissor-type grass shears

(CEE 20-2N:1977, modified)

Outils portatifs à main à moteur
Partie II: Règles particulières
Section N: Cisailles à haies et ciseaux à gazon
(CEE 20-2N:1977, modifiée)

Handgeführte Elektrowerkzeuge
Teil II: Besondere Bestimmungen
Hauptabschnitt N: Heckenscheren und
Grasscheren mit Scherblättern
(CEE 20-2N:1977, modifiziert)

This Harmonization Document was approved by CENELEC on 1988-06-28. CENELEC members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for implementation of this Harmonization Document on a national level.

Up-to-date lists and bibliographical references concerning national implementation may be obtained on application to the Central Secretariat or to any CENELEC member.

This Harmonization Document exists in three official versions (English, French, German).

CENELEC members are the national electrotechnical committees of Austria, Belgium, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, 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

© 1992 Copyright reserved to CENELEC members

Ref. No. HD 400.3N S2:1992 E
 **Documents**
Document Sharing Hub