



BS 3456 : Part 2
Section 2.39 : 1973

UDC 614.825:621.313:697.932



Specification for
**The testing and approval
of household
electrical appliances**

Part 2. Particular requirements
Section 2.39 Room humidifiers

Gr 5

British Standards Institution



Documents

Document

This British Standard, having been approved by the Electrical Industry Standards Committee, was published under the authority of the Executive Board on 6 October, 1973.

© British Standards Institution, 1973

ISBN: 0 580 07915 5

Copyright

Users of British Standards are reminded that copyright subsists in all BSI publications. No part of this publication may be reproduced in any form without the prior permission in writing of BSI. This does not preclude the free use, in the course of implementing the standard, of necessary details such as symbols and size, type or grade designations. Enquiries should be addressed to the BSI Secretariat.

Contract requirements

Attention is drawn to the fact that this British Standard does not purport to include all the necessary provisions of a contract.

Revision of British Standards

In order to keep abreast of progress in the industries concerned, British Standards are subject to periodical review. Suggestions for improvements will be recorded and in due course brought to the notice of the committees charged with the revision of the standards to which they refer.

British Standards are revised, when necessary, by the issue either of amendment slips or of revised editions. It is important that users of British Standards should ascertain that they are in possession of the latest amendments or editions. Full information on all BSI publications, numbering over 6000, will be found in the *British Standards Yearbook*. This information is supplemented by details published each month in *BSI News* of new publications, revisions and amendments.

BSI News is available to Subscribing Members of the Institution. All other publications may be purchased direct from Sales Department. Enquiries concerning subscribing membership, which has considerable advantages, will be welcomed, and should be made to Subscriptions Department. Both departments are located at:

101 Pentonville Road, London N1 9ND (Telephone 01-837 8801; Telex 23218).

The following BSI references relate to the work on this standard:
Committee reference ELE/82/36 Draft for comment 71/29304

Co-operating organizations

The Electrical Industry Standards Committee, under whose supervision this British Standard was prepared, consists of representatives from the following Government departments and scientific and industrial organizations:

- | | |
|---|---|
| Associated Offices Technical Committee | Electrical Contractors' Association of Scotland |
| Association of Consulting Engineers | *Electrical Research Association |
| *Association of Manufacturers of Domestic Electrical Appliances | *Electricity Council, the Central Electricity Generating Board and the Area Boards in England and Wales |
| Association of Mining Electrical and Mechanical Engineers | Electronic Engineering Association |
| Association of Supervisory and Executive Engineers | *Engineering Equipment Users' Association |
| *British Electrical and Allied Manufacturers' Association | *Institution of Electrical Engineers |
| *British Electrotechnical Approvals Board for Household Equipment | *Institution of Electrical and Electronics Technician Engineers |
| British Radio Equipment Manufacturers' Association | Lighting Industry Federation Limited |
| British Railways Board | *Ministry of Defence |
| British Steel Corporation | National Inspection Council for Electrical Installation Contracting |
| Crown Agents for Oversea Governments and Administrations | National Physical Laboratory (Department of Trade and Industry) |
| Department of Employment (HM Factory Inspectorate) | Oil Companies Materials Association |
| *Department of the Environment | Post Office |
| *Department of Trade and Industry | *South of Scotland Electricity Board |
| Electric Cable Makers' Confederation | |
| *Electrical Contractors' Association | |

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:

- | | |
|--|---|
| Appliance Control Manufacturers' Association | Institute of Refrigeration |
| British Refrigeration and Air Conditioning Association | Ministry of Defence, Navy |
| Consumers' Association | Radio and Electronic Component Manufacturers' Association |
| Electrical Association for Women | Royal Institute of British Architects |
| Fire Protection Association | Small Electric Motor Manufacturers' Association |
| Heating, Ventilating and Air Conditioning Manufacturers' Association | Women's Advisory Committee of BSI |
| Home Office | |



BS 3456 : Part 2

Section 2.39 : October 1973

UDC 614.825:621.313:697.932



Specification for

The testing and approval of household electrical appliances

Part 2. Particular requirements
Section 2.39 Room humidifiers

Amendments issued since publication

Amd. No.	Date of issue	Text affected

British Standards Institution · 2 Park Street · London W1A 2BS
Telephone 01-629 9000
Telex 266933

BS 3456 : Part 2 : Section 2.39 : 1973

Contents

	Page		Page
Co-operating organizations	Inside front cover	14. Radio-interference suppression	4
Foreword	2	15. Moisture resistance	4
		16. Insulation resistance and electric strength	5
		17. Overload protection	5
Specification		18. Endurance	5
1. Scope	3	19. Abnormal operation	5
2. Definitions	3	20. Stability and mechanical hazards	6
3. General requirement	3	21. Mechanical strength	6
4. General conditions for the tests	4	22. Construction	6
5. Rating	4	23. Internal wiring	6
6. Classification	4	24. Components	6
7. Marking	4	25. Supply connection and external flexible cables and cords	6
8. Protection against electric shock	4	26. Terminals for external conductors	6
9. Starting of motor-operated appliances	4	27. Provision for earthing	6
10. Input	4	28. Screws and connections	6
11. Heating	4	29. Creepage distances, clearances and distances through insulation	6
12. Operation under overload conditions	4	30. Resistance to heat, fire and tracking	7
13. Electrical insulation at operating temperature	4	31. Resistance to rusting	7

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 testing and approval of household electrical appliances§.

As stated in the Scope, this Section of Part 2 has to be read in conjunction with Part 1, 'General requirements', but in some cases it is obvious that some Part 1 requirements cannot be applied to current designs of room humidifiers. Such clauses and subclauses have not been shown in this section as being not applicable to avoid lengthening the section unnecessarily and also because they may become applicable to future designs of humidifiers.

Any humidifier which complies with all the requirements of Part 1 as modified by this section of Part 2, except those requirements which are manifestly not applicable to the particular design under consideration, may therefore be regarded as complying with BS 3456. If the appliance is designed for connection to the mains water supply it should comply with the byelaws of the local water undertaking.

§ See the inside back cover of this standard.