

JIS

JAPANESE
INDUSTRIAL
STANDARD

Translated and Published by
Japanese Standards Association

JIS C 9613 : 2021

(JEMA)

Hairdryers

ICS 97.170

Reference number : JIS C 9613 : 2021 (E)

Date of Establishment: 1969-12-01

Date of Revision: 2021-09-21

Date of Public Notice in Official Gazette: 2021-09-21

Investigated by: Japanese Industrial Standards Committee

Standards Board for IEC area

Technical Committee on Electricity

JIS C 9613 : 2021, First English edition published in 2022-12

Translated and published by: Japanese Standards Association
Mita MT Building, 3-13-12, Mita, Minato-ku, Tokyo, 108-0073 JAPAN

In the event of any doubts arising as to the contents,
the original JIS is to be the final authority.

© JSA 2022

All rights reserved. Unless otherwise specified, no part of this publication may be reproduced or utilized in any form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from the publisher.

Printed in Japan

AH/HN

Contents

	Page
1	Scope 1
2	Normative references 1
3	Terms and definitions 2
4	Operating performance and shape 2
4.1	Starting 2
4.2	Voltage fluctuation 2
4.3	Power consumption 2
4.4	Air speed 2
4.5	Noise 2
4.6	Air volume 2
5	Safety performance 3
5.1	Temperature 3
5.2	Insulation 4
5.3	Leakage current 4
5.4	Resistance to shock by fall 4
5.5	Endurance 5
5.6	Switch 5
5.7	Flexure of cord 6
5.8	Endurance of cord reel mechanism 6
6	Construction 6
6.1	Construction in general 6
6.2	Live part 8
6.3	Electrical insulating material 10
6.4	Wiring 10
6.5	Components 12
7	Materials 13
8	Performance tests 14
8.1	Standard test conditions 14
8.2	Starting test 14
8.3	Voltage fluctuation test 14
8.4	Power consumption test 14
8.5	Air speed test 14
8.6	Noise test 15
8.7	Air volume test method 16
9	Safety tests 17
9.1	Normal temperature test 17

9.2	Abnormal temperature test	18
9.3	Insulation resistance test	18
9.4	Dielectric withstand voltage test	18
9.5	Leakage current test	18
9.6	Resistance to shock by fall	18
9.7	Endurance test	19
9.8	Switch test	19
9.9	Flexure test of cord	19
9.10	Endurance test of cord reel mechanism	22
10	Inspections	22
10.1	Type inspection	22
10.2	Product inspection	23
11	Designation of products	23
12	Marking	23
12.1	Marking on product	23
12.2	Marking on package	24
13	Precaution for use	24
Annex A (normative)	Hairdryer (Type B)	25

Foreword

This Japanese Industrial Standard has been revised by the Minister of Economy, Trade and Industry through deliberations at the Japanese Industrial Standards Committee as the result of proposal for revision of Japanese Industrial Standard submitted by The Japan Electrical Manufacturers' Association (JEMA) with a draft being attached, based on the provision of Article 12, paragraph (1) of the Industrial Standardization Act applied mutatis mutandis pursuant to the provision of Article 16 of the said Act. This edition replaces the previous edition (**JIS C 9613** 2007), which has been technically revised.

This **JIS** document is protected by the Copyright Act.

Attention is drawn to the possibility that some parts of this Standard may conflict with patent rights, published patent application or utility model rights. The relevant Minister and the Japanese Industrial Standards Committee are not responsible for identifying any of such patent rights, published patent application or utility model rights.

Hairdryers

1 Scope

This Japanese Industrial Standard specifies requirements for hand-held hairdryers (hereafter referred to as equipment) with a built-in blower and electric heater of which rated voltage is 300 V or under for single phase a.c., rated frequency is 50 Hz and/or 60 Hz, and rated power consumption is 1 500 W or under, excluding hairdryers for special purposes, such as steam type and iron type.

This Standard specifies requirements for the following different types of hairdryers separately in the main body and in Annex A, depending on the applicable standards.

- a) Type A : Standards unique to Japan are applied.
- b) Type B : Standards of **JIS C 9335-2-23** are applied.

NOTE Standards unique to Japan refers to the interpretation of the technical standards of the Electrical Appliances and Materials Safety Act (Appended Table 8 standards).

When requirements in the main body (Type A) are applied, the requirements in Annex A (Type B) do not apply. Similarly, when requirements in Annex A (Type B) are applied, requirements in the main body (Type A) do not apply.

2 Normative references

Part or all of the provisions of the following standards, through reference in this text, constitute provisions of this Standard. The most recent editions of the standards (including amendments) indicated below shall be applied.

JIS C 1509-1 *Electroacoustics — Sound level meters — Part 1 : Specifications*

JIS C 1509-2 *Electroacoustics — Sound level meters — Part 2 : Pattern evaluation tests*

JIS C 2520 *Wires and rolled wires for electrical heating*

JIS C 2530 *Rubber insulated flexible cords*

JIS C 3306 *Polyvinyl chloride insulated flexible cords*

JIS C 5101 (all parts) *Fixed capacitors for use in electronic equipment*

JIS C 8303 *Plugs and receptacles for domestic and similar general use*

JIS C 8358 *Appliance couplers for domestic and similar use*

JIS C 9335-2-23 *Household and similar electrical appliances — Safety — Part 2-23 : Particular requirements for appliances for skin or hair care*

JIS C 9603 *Ventilating fans*

JIS K 2240 *Liquefied petroleum gases*