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JAPANESE INDUSTRIAL STANDARD

Tumbler Type Electric Clothe Dryers

JIS C 9608—1986

Translated and Published

by

Japanese Standards Association

Printed in Japan

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Tumbler Type Electric Cloth Dryers

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1. Scope

This Japanese Industrial Standard specifies tumbler type electric cloth dryers equipped with motor and electric heating device, intended for household use, having a standard drying capacity not exceeding 5 kg and a rated power consumption not exceeding 5 kW, hereinafter referred to as the "dryers".

Remark: The units and numerical values shown in { } in this Standard are based on the customary units and are appended for informative reference.

2. Definitions

For the purpose of this Standard the following principal definitions shall apply:

- (1) drying capacity The mass (kg) of the washing which can be dried in one operation, expressed in the dry condition. The washing means the mock washing specified in Appendix, hereinafter referred to as the "washing".
- (2) standard drying capacity The maximum drying capacity.
- (3) standard drying time The time (min) required of a dryer to dry the washing of the standard drying capacity.
- (4) tumbler type electric cloth dryer An appliance in which the cloth is introduced in a rotating container, hereinafter referred to as the "tumbler", and dried by air blow. It is classified into those stated in (5) and (6).
- (5) exhaust-type tumbler electric cloth dryer An appliance in which the cloth is introduced in the tumbler, dried by air blow, and the air is directly exhausted outside of the appliance.
- (6) condensation-type tumbler electric cloth dryer An appliance in which the cloth is introduced in the tumbler, dried by air blow, and a dehumidifier to remove moisture is accommodated in the appliance.

3. Classification

Dryers are classified as follows:

- (1) Exhaust-type tumbler electric cloth dryer
- (2) Condensation-type tumbler electric cloth dryer

Applicable Standards and Corresponding International Standards: See page 26.

4. Rated Voltage and Rated Frequency

The rated voltage of dryer shall be single phase a.c. 100 V or 200 V, the rated frequency shall be 50 Hz, 60 Hz or 50/60 Hz (in common). However, the rated voltage of dryers for export is exempted from the above requirement.

5. Performances

5.1 Drying Efficiency The drying efficiency shall be not less than 45% when tested in accordance with the procedure specified in 8.1.

5.2 Drying Time The time spent until the drying rate attains 97% shall be within the standard drying time when a dryer is tested in accordance with the procedure specified in 8.2.

5.3 Dehumidification Rate The dehumidification rate of a condensation-type tumbler electric cloth dryer shall be not less than 45% when tested in accordance with the procedure specified in 8.3.

5.4 Noise The noise level shall be not more than 60 dB when tested in accordance with the procedure of 8.4.

5.5 Power Consumption The deviation of power consumption from the rated power consumption shall be within the appropriate tolerances given in Table 1, when a dryer is tested in accordance with procedure specified in 8.5.

Table 1

Rated power consumption W	Tolerances %
1000 and under	±15
Over 1000	±10

Remark: This table is based on the reference ambient temperature of 30°C.

5.6 Temperature

5.6.1 Normal Temperature When the normal temperature is tested in accordance with the procedure of 8.6.1, the temperature of any part shall not exceed the appropriate value given in Table 2 and no abnormal heat shall be produced in other parts.