

JIS

JAPANESE INDUSTRIAL STANDARD

Electric ovens

JIS C 9206—1994

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by

Japanese Standards Association

In the event of any doubt arising,
the original Standard in Japanese is to be final authority.

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Electric ovens

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1. Scope This Japanese Industrial Standard specifies electric ovens for domestic use with a rated power consumption not exceeding 2 kW (hereafter referred to as "ovens"). Fish roasters, oven toasters are excluded.

Remarks: 1. The following standards are cited in this Standard:

- JIS A 9505 Thermal insulation material made of glass wool
- JIS C 0602 General rules of colour identification for protective conductor and neutral conductor and terminal marking for apparatus
- JIS C 2520 Wires and rolled wires for electrical heating
- JIS C 3301 Rubber insulated flexible cords
- JIS C 8303 Plugs and receptacles for domestic and similar general use
- JIS C 8304 Small switches for indoor use
- JIS C 8358 Appliance couplers for domestic and similar use
- JIS K 2240 Liquefied petroleum gases
- JIS K 5400 Testing methods for paints
- JIS K 7202 Method of Rockwell hardness test for plastics
- JIS S 6006 Pencils and coloured pencils

2. The units and numerical values in { } in this Standard are based on traditional units and are appended for informative reference.

2. Definitions For the purpose of this Standard, the following principal definitions apply:

- (1) electric oven An apparatus which heats and cooks foods by utilizing electric heat in the form of convection heat and radiation heat.
- (2) time switch A switch on which the time is set by the user at use and which cuts off the current to the heating element when the set time is elapsed.
- (3) rack A netting on which food to be cooked is placed.
- (4) tray A pan on which food to be cooked is placed.

3. Rated voltage and rated frequency The rated voltage shall be a single-phase a.c. voltage not exceeding 300 V, and the rated frequency shall be 50 Hz, 60 Hz or 50 Hz/60Hz in common.

4. Performances

4.1 Starting When an oven with a motor is tested as specified in 7.2, the motor shall start irrespective of the position of rotor.

4.2 Voltage fluctuation When the test of 7.3 is carried out, the voltage fluctuation shall cause no trouble to practical service.

4.3 Power consumption When the test of 7.4 is carried out, the power consumption shall fall within the value from the rated power consumption specified in Table 1.

Table 1. Tolerance on power consumption

Rated power consumption W	Tolerance %
Up to and incl. 1000	±10
Over 1000 up to and incl. 2000	+ 5 -10

4.4 Insulation

4.4.1 Insulation resistance When the test of 7.5.1 is carried out, the insulation resistance shall be not less than 1 MΩ.

4.4.2 Dielectric withstand voltage When the dielectric withstand voltage test is carried out as specified in 7.5.2, the specimen shall withstand the test voltage.

4.4.3 Leakage current when the test of 7.5.3 is carried out, the leakage current shall not exceed 1 mA.

4.5 Temperature

4.5.1 Normal temperature When the normal temperature test is carried out as specified in 7.6.1, the temperature at each part shall not exceed the value specified in Table 2.