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④ JIS C 9607 : 1999

## Household electric refrigerators, refrigerator-freezer and freezers

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**Descriptors** : refrigerators, freezers, kitchen storage vessels, electrical household appliances, household equipment, electrically-operated devices

**Reference number** : JIS C 9607 : 1999 (E)

C 9607 : 1999

**Foreword**

This translation has been made based on the original Japanese Industrial Standard revised by the Minister of International Trade and Industry through deliberations at Japanese Industrial Standards Committee in accordance with the Industrial Standardization Law. Consequently **JIS C 9607 : 1993** is replaced with **JIS C 9607 : 1999**.

Attention is drawn to the possibility that some parts of this Standard may conflict with a patent right, application for a patent after opening to the public, utility model right or application for registration of utility model after opening to the public which have technical properties. The relevant Minister and the Japanese Industrial Standards Committee are not responsible for identifying the patent right, application for a patent after opening to the public, utility model right or application for registration of utility model after opening to the public which have the said technical properties.

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## Household electric refrigerators, refrigerator-freezer and freezers

**Introduction** This Japanese Industrial Standard has been prepared by adopting the requirements for safety performances stated in **JIS C 9607** issued in 1993 as the type A requirements to form the main part (text), and the requirements stated in **JIS C 9335-2-24** prepared based on the corresponding International Standard as the type B requirements to form the Annex.

**1 Scope** This Japanese Industrial Standard specifies household electric refrigerators of storage volume 800 L or less, and household vertical electric freezers of storage volume 400 L or less, with a compression type refrigerating machine and storage cabinet integrated in one body (hereafter household electric refrigerators, refrigerator-freezers and freezers are generically called “electric refrigerators”).

Remarks 1 In Annex 1, the requirements for safety performances of electrical refrigerators to which **JIS C 9335-2-24** is applicable (type B) are specified.

2 The text (type A) and Annex 1 (type B) shall be applied individually.

**2 Normative references** The following standards contain provisions which, through reference in this Standard, constitute provisions of this Standard. The most recent editions (including amendments) of the standards indicated below shall be applied.

JIS C 0602 *General rules of colour identification for protective conductor and neutral conductor and terminal marking for apparatus*

JIS C 0702 *General rules for insulation construction of class II electrical appliances*

JIS C 1102 *Direct acting indicating analogue electrical measuring instruments and their accessories*

JIS C 1211 *Alternating-current watt-hour meters (for direct connection)*

JIS C 1302 *Insulation resistance testers*

JIS C 1502 *Sound level meters*

JIS C 3306 *Polyvinyl chloride insulated flexible cords*

JIS C 3312 *600 V Grade polyvinyl chloride insulated and sheathed portable power cables*

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

JIS C 8367 *Electromechanical pressure type thermostats for household appliances*

JIS C 9335-2-24 *Safety of household and similar electrical appliances—Part 2 : Particular requirements for refrigerating appliances and ice-makers*

Remarks : This is Japanese Industrial Standard prepared based on **IEC 60335-2-24** (*Safety of household and similar electrical appliances—Part 2 Particular requirements for refrigerating appliances and ice-makers*) issued in 1996 as the third edition by taking special circumstances in Japan into account for some portions.

**JIS C 9801** *Household refrigerating appliance—Characteristics and test methods*

Remarks : This is Japanese Industrial Standard prepared based on **ISO 8561** (*Household frost-free refrigerating appliances—Refrigerators, refrigerator-freezers, frozen food storage cabinets and food freezers cooled by internal forced air circulation—Characteristics and test methods*) issued in 1995 as the first edition, by taking special circumstances in Japan into account for some portions.

**JIS F 8832** *Marine watertight type plugs*

**JIS K 5400** *Testing methods for paints*

**JIS K 7202** *Method of rockwell hardness test for plastics*

**JIS K 8116** *Ammonium chloride*

**JIS S 6006** *Pencils and coloured pencils*

**JIS Z 8401** *Rules for rounding off of numerical values*

**JIS Z 8703** *Standard atmospheric conditions for testing*

**JIS Z 8731** *Acoustics—Description and measurement of environmental noise*

### 3 Definitions

For the purposes of this Standard, the following definitions apply:

- a) **refrigerator** An appliance cooled by an electrically driven compression type refrigerating machine, having one or more compartments intended for the preservation of food except frozen food which can be kept at a temperature necessary to store them (called fresh food compartment).
- b) **refrigerator-freezer** An appliance cooled by an electrically driven compression type refrigerating machine, having two or more compartments for the preservation of food, at least one of which is a fresh food compartment and at least one of which can be maintained at a temperature necessary to store frozen food (called freezer compartment).
- c) **electric refrigerator** A generic term for the refrigerator of a) and the refrigerator-freezer in b).
- d) **electric freezer** An appliance cooled by an electrically driven compression type refrigerating machine having only freezer compartments in which the mean freezer load temperature specified in 6.2.1 of **JIS C 9801** is  $-18^{\circ}\text{C}$  or lower (hereafter referred to as “freezer”).
- e) **specific fresh food compartment** A fresh food compartment intended for storage of only such specific food as vegetables, fruits, fish and meats.
- f) **specific low-temperature compartment** A specific fresh food compartment intended for storage of such specific food as fish and meats at low temperature.
- g) **one-star compartment** A freezer compartment in which the mean freezer load temperature specified in 6.2 is  $-6^{\circ}\text{C}$  or lower.
- h) **two-star compartment** A freezer compartment in which the mean freezer load temperature specified in 6.2 is  $-12^{\circ}\text{C}$  or lower.
- i) **three-star compartment** A freezer compartment in which the mean freezer load temperature specified in 6.2 is  $-18^{\circ}\text{C}$  or lower.