

ICS 27.010

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**NATIONAL STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

GB 26920.3-2019

**Minimum allowable values of energy efficiency and energy
efficiency grades for commercial refrigerating appliances -- Part
3: Refrigerated beverage vending machines**

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Foreword

GB 26920 `` Limited Values of Energy Efficiency and Energy Efficiency Grades for Commercial Refrigeration Appliances `` intends to formulate the following 4 parts.

--- Part 1. Refrigerated display case for remote condensing unit;

--- Part 2. Commercial freezer with self-condensing unit;

--- Part 3. Refrigerated vending machines;

--- Part 4. Commercial ice machines.

This part is Part 3 of GB 26920.

This section is drafted in accordance with the rules given in GB/T 1.1-2009.

This part is proposed and managed by the National Standardization Management Committee.

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Commercial refrigeration equipment quality supervision and inspection center.

1 Scope

This section of GB 26920 specifies the terms and definitions, calculation methods, and energy consumption for refrigeration vending machines (hereinafter referred to as vending machines).

Limit values, energy efficiency levels, technical requirements and test methods.

This section applies to vending machines with self-contained mechanical refrigeration and packaged beverages.

This section does not apply to.

- Normal temperature vending machine without cooling function;
- Vending machine for unpackaged beverages.

2 Normative references

The following documents are essential for the application of this document. For dated references, only the dated version applies to this article

Pieces. For undated references, the latest version (including all amendments) applies to this document.

GB/T 21001.2 Refrigerated display cabinets Part 2. Classification, requirements and test conditions

GB/T 28493 Test methods for the performance of bottled, canned and other sealed beverage vending machines

ISO 9050 architectural glass light conductivity, direct sunlight, total solar energy conductivity, ultraviolet conductivity and related glass

Determination of glass factors (Glassinbuilding-Determinationoflighttransmittance, solardirecttransmittance,

totalsolarenergytransmittance, ultraviolettransmittanceandrelatedglazingfactors)

3 terms and definitions

The terms and definitions defined in GB/T 28493 and the following apply to this document.

3.1

Refrigerated vending machines refrigeratedbeveragevendingmachines

Commercial refrigeration appliances for bottles, cans, and other packaged beverages with self-sale capabilities.

3.2

Available refrigerated capacity

It is used for pre-cooling, refrigerating, and selling after the space enclosed by the inner boundary of the refrigerated box is reduced, and the space occupied by the refrigeration system inside the refrigerated box of the vending machine is eliminated.

Space for bottles, cans and other packaged beverages.

Note. The non-isolated space inside the refrigerator for packaging beverage sales, or the space separated by detachable partitions and heat insulation materials is considered a cooling space

This part is used as a refrigerated space for selling ability and temperature tests.

3.3

Nonrefrigeration space

The space inside the vending machine for the sale of other non-refrigerated goods, which is separated from the refrigerated space by non-removable insulation materials.

Note. The non-refrigerated space with heating function is also part of the space.

3.4

Low power mode

In the inactive (sale) state, no user intervention is required, and the vending machine enables automatic adjustment of lighting, cooling, and/or other energy use systems.