

ICS 27.010
CCS F 01



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

GB 26920.1-2011

**Minimum allowable values of energy efficiency and energy
efficiency grades of commercial refrigerating appliances - Part
1: Refrigerated display cabinets with remote condensing unit
(English Translation)**

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1 Scope

This part of GB 26920 specifies the energy efficiency limit, energy efficiency grade, energy conservation evaluation value, test method, AND inspection rules of the refrigerated display cabinets with remote condensing unit (abbreviated as remote refrigerated display cabinet).

This part applies to the remote refrigerated display cabinet which is used for sale and food display.

This part does not apply to refrigeration vending machines or refrigerated display cabinet.

2 Normative References

The provisions in following documents become the provisions of this Part through reference in this Part. For dated references, the subsequent amendments (excluding corrigendum) or revisions do not apply to this Part, however, parties who reach an agreement based on this Part are encouraged to study if the latest versions of these documents are applicable. For undated references, the latest edition of the referenced document applies.

GB/T 21001.1-2007 refrigerated display cabinets - Part 1: Vocabulary

GB/T 21001.2-2007 refrigerated display cabinets - Part 2: Classification, requirements and test conditions

3 Terms and Definitions

The terms and definitions which are established in GB/T 21001.1-2007 and GB/T 21001.2-2007 AND listed below apply to this Part.

3.1

Energy consumption coefficient of remote refrigerated display cabinets

GB/T 26920.1-2011 unit of kilo-watthour per 24 hour square meter [kWh/(24h·m²)).

When the measured energy consumption coefficient value is less than or equal to the evaluating value of energy conservation ECC evaluating value of energy conservation , it is judged that the energy consumption of this batch of products complies with the technical requirements of energy conservative product certification.

6 Test method and report format

It shall conduct test in accordance with GB/T 21001.1-2007, GB/T 21001.2-

2007 and relevant requirements of Chapter 4. The ECC test report format is shown in Appendix B. The test for each equipment shall be with independent test report.

7 Inspection rules

TAKE one sample from a batch of products to test its energy consumption coefficient; if it fails to meet the specified requirements, TAKE two samples again AND the measured values shall meet the requirements, otherwise this batch of products is judged as unqualified.

For a single product, TEST its energy consumption coefficient; if it fails to meet the requirements, it is judged as unqualified.

8 Energy efficiency grade mark

8.1

The manufacturer shall, in accordance with the requirements of this Part,

TEST the energy consumption coefficient of its products.

8.2

The manufacturer shall, in accordance with the test results, determine the product's rated energy efficiency grade.

GB/T 26920.1-2011

Is this device attached with night cover (curtain)? Yes -No -

Is there a manual lighting switch? Yes -No -

Is there a clock, intelligent sensor or similar automation device to control lighting? Yes

- No -

Is there a clock, intelligent sensors or similar automation device to control anti-condensation heater? Yes - No -

Refrigerated display cabinet refrigerant's international number: _____

During the test period, the maximum temperature of the hottest M- package: ____°C

During the test period, the average temperature of all M- packages: _____°C

During the test period, the minimum temperature of the coldest M- package: ____°C

B.3 Test and test report

Whether or not it is accompanied with complete test report which complies with GB/T 21001.2-2007? Yes - No -

If it is not accompanied by the test report, describe reasons: _____

Is the test conducted within the applicant's own factory? Yes - No -

Name and contact of the test person: _____

Test laboratory name and address: _____

Test laboratory qualification (accreditation authorization number): _____

Test report number: _____

Test voltage and frequency: _____

B.4 Power consumption test

Remote refrigerated display cabinet:

Direct energy consumption (DEC): _____ kWh/24h

Phi24-deft heat rate for calculation: _____ kW

Refrigerating energy consumption (REC): _____ kWh/24h

Total energy consumption (TEC): _____ kWh/24h

Self-contained refrigerated display cabinet: