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NATIONAL METROLOGY TECHNICAL SPECIFICATION OF THE

PEOPLE'S REPUBLIC OF CHINA

JJF 1767-2019

Rules of Metrology Testing for Energy Efficiency of Refrigerated Display Cabinets with Remote Condensing Units

远置冷凝机组冷藏陈列柜能源效率计量检测规则

(English Translation)

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Introduction

In order to standardize the energy efficiency measurement and inspection process of the remote condensing unit refrigerated display cabinet that implements energy efficiency label management According to the requirements of JJF 1261.1-2017 "Energy Efficiency Measurement and Testing Rules for Energy-using Products", this specification is formulated.

This specification is released for the first time.

Refrigerated display cabinet with remote condensing unit Energy efficiency measurement and testing rules

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1 Scope

This specification specifies the refrigerated display cabinets of remote condensing units used for the sale and display of food (hereinafter referred to as remote display Cabinet) energy efficiency measurement requirements, measurement testing procedures, measurement testing methods, measurement testing results judgment criteria and inspections Test report and other content.

This specification applies to the measurement supervision and inspection of remote display cabinets, and the commissioned inspection can refer to this specification. Production and sales Units with remote display cabinets can also be tested with reference to this specification.

This specification does not apply to refrigerated vending machines and non-retail remote display cabinets.

The remote display cabinets to be tested should be products that have passed the self-inspection of the manufacturer, or imported and sold by the seller commodity.

2 Reference documents this specification refers to the following documents.

JJF 1261.1-2017 Energy efficiency measurement and testing rules for energy-using products GB/T 2829-2002 Periodic Inspection Attribute Sampling Procedure and Table (Applicable to the Inspection of Process Stability) GB/T 21001.1-2015 Refrigeration Showcase Part 1: Terminology GB/T 21001.2-2015 Refrigeration display cabinet Part 2: Classification, requirements and test conditions GB/T 21001.3-2015 Refrigeration Display Case Part 3: Test Evaluation GB 26920.1-2011 Energy efficiency limit values and energy efficiency grades of commercial refrigeration appliances Part 1: Remote condensation Unit refrigerated display cabinet for dated reference documents, only the dated version applies to this specification; for undated references the latest version (including all amendments) is applicable to this specification.

3 Terms and units of measurement 3.1 total energy consumption the sum of refrigeration electrical energy consumption (REC) and direct electrical energy consumption (DEC), measured in kW·h/24h.

3.2 Total display area the total area where food can be seen, including the area seen through the glass window. Defined as the total level and vertical of the net volume the projected area is measured in m2.

Note: The net volume (effective volume) is the volume that can be loaded with food within the loading limit.

3.3 Climate type 3 conditions climateclass3 the type of laboratory climate determined by the dry bulb temperature of 25°C and relative humidity of 60%.

3.4 Energy consumption coefficient Under rated cooling conditions and specified

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conditions, the ratio of total energy consumption to total display area, measured in units of

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