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NATIONAL STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA

ICS 27.010

F 01

GB 19576-2019

Replacing GB 19576-2004

**Minimum allowable values of energy efficiency and
energy efficiency grades for unitary air conditioners**

单元式空气调节机能效限定值及能效等级

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Foreword

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

This Standard replaces GB 19576-2004 “The minimum allowable values of the energy efficiency and energy efficiency grades for unitary air conditioners”. Compared with GB 19576-2004, in addition to editorial changes, the main technical changes are as follows:

- Delete the term and definition of “Evaluating values of air conditioner energy conservation” (see 3.2 of the 2004 edition);
- Delete “Evaluating values of energy conservation” (see 5.2 of the 2004 edition);
- REVISE the energy efficiency grade criteria of the product (see Clause 4);
- Modify the minimum allowable values of energy efficiency for the product (see Clause 5);
- Delete inspection rules (see Clause 7 of the 2004 edition);
- Delete energy efficiency grade labeling (see Clause 8 of the 2004 edition).

This Standard was proposed by and shall be under the jurisdiction of Standardization Administration of the PRC.

Drafting organizations of this Standard: China National Institute of Standardization, Hefei General Machinery Research Institute, Gree Electric Appliances Inc. of Zhuhai, Hefei General Machinery & Electrical Products Inspection Institute Co., Ltd., Emerson Climate Technologies (Suzhou) Co., Ltd., Shenzhen McQuay Air Conditioning Co., Ltd., Guangdong Siukonda Air Conditioning Co., Ltd., Daikin (China) Investment Co., Ltd., Guangdong EuroKlimat Air-Conditioning & Refrigeration Co., Ltd., Qingdao Haier Air Conditioner Gen. Corp., Ltd., Johnson Controls Building Efficiency Technology Co., Ltd., Shanghai Mitsubishi Electric & Shangling Air-Conditioner and Electric Appliance Co., Ltd., Daikin Device (Xi'an) Co., Ltd., Zhejiang Dun'an Artificial Environment Co., Ltd., Sichuan Changhong Air Conditioning Co., Ltd., Trane Air Conditioning Systems (China) Co., Ltd., Panasonic Appliances Compressor (Dalian) Co., Ltd., Guangdong Chigo Heating & Ventilation Equipment Co., Ltd., Guangdong Jirong Air-conditioning Co., Ltd., Guangdong Shenling Air-Conditioning Equipment Co., Ltd.

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Minimum allowable values of energy efficiency and energy efficiency grades for unitary air conditioners

1 Scope

This Standard specifies the energy efficiency grades, technical requirements, and test methods for unitary air conditioners.

This Standard is applicable to unitary air conditioners using motor-driven compressors and with indoor unit static pressure of 0 Pa (gauge pressure), unitary air conditioners for computer and data processing room, unitary air conditioners for communication base station, and constant temperature-and-humidity unitary air conditioners.

This Standard does not apply to multi-connected air conditioning (heat pump) units, rooftop air conditioner units, and air-duct air supply air conditioning (heat pump) units.

2 Normative references

The following documents are indispensable for the application of this document. For the dated references, only the editions with the dates indicated are applicable to this document. For the undated references, the latest edition (including all the amendments) are applicable to this document.

GB/T 17758-2010 Unitary air conditioners

GB/T 19413-2010 Unitary air-conditioners for computer and data processing room

JB/T 11968-2014 Unitary air conditioners for communication base station

3 Terms and definitions

The terms and definitions defined in GB/T 17758-2010 and the following apply to this document.

3.1 Minimum allowable values of energy efficiency for unitary air conditioners

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