

ICS 23.120
CCS K 65



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

GB/T 13380-2018

Replacing GB/T 13380-2007

A.C. electric fans and regulators

Issued on: December 28, 2018

Implemented on: July 1, 2019

**Issued by: State Administration for Market Regulation, China National
Standardization Administration**

Table of Contents

Foreword

1 Scope

2 Normative references

Foreword

This standard was drafted in accordance with the rules given in GB/T 1.1-2009.

This standard replaces GB/T 13380-2007 "AC fan and governor". This standard is compared with GB/T 13380-2007, mainly

The technical changes are as follows.

--- Write the nine "terms" in Appendix C of GB/T 13380-2007 into the definition of Chapter 3 (see Chapter 3);

---Based on air volume test method and verification data, for table fans, wall fans, floor fans, floor fans, ceiling fans, and page turning of 300mm and below

The fan's air volume has been adjusted appropriately. The air volume value of 230mm and below is assessed according to the requirements of non-preferred size, ie

Self-calibrated by the manufacturer (see 5.2);

--- The energy efficiency value of table fans, wall fans, floor fans, floor fans, ceiling fans and turning fans of 300mm and below is based on the verification data.

When the adjustment. The energy efficiency values of 230mm and below are evaluated according to the requirements of non-preferred sizes (see 5.3);

--- The energy efficiency value of the column fan is adjusted according to the test method and verification data (see 5.3);

--- According to the development and changes of column fan product specifications, the noise limit is changed from the original 50dB (A) to 63dB (A) (see 5.5);

---Air volume test of table fan, wall fan, table fan, floor fan, ceiling fan and turning fan, from original table fan, wall fan, table fan, top fan and page turning

The fan is tested in a 4.5m long test room, and the floor fan is allowed to be tested in a 6m long air volume (400mm floor fan is allowed)

Air flow test in a 4.5m long test room), changed to. electric fan less than or equal to 400mm (table fan, wall fan, platform)

Fans, floor fans, ceiling fans, and turning fans are tested in a 4.5 m long test chamber, and the above-mentioned electric fans are larger than 400 mm.

Air volume test at 6 m long air volume test (see 6.7.1);

--- Increased wet heat test of organic coated parts. The test temperature and humidity conditions are. temperature, $(40 \pm 2)^\circ\text{C}$; relative humidity, $(93 \pm 3)\%$ (see 6.13);

--- Table fan, wall fan, table fan, floor fan, ceiling fan and page fan wind speed measurement method, from the original horizontal direction 2 tables to water

Test the wind speed in two tables (four in total) in the horizontal and vertical directions (to increase the uniformity of the average wind speed of the ring) (see 6.7.1.1);

--- The air volume test of the column fan was changed to the air volume test method of GB/T 1236 (see 6.7.3);

--- The "leakage current and electric strength test" project of the factory inspection was changed to "electrical strength test" and "input power and current" items were changed to "Input power measurement" adds "simplified method used in factory inspection" (see Table 6 of 7.2.1);

--- Type testing adds "radiation, toxicity and similar hazards" to the project, adding Note 4 to Table 7 (see Table 7 of 7.3.2);

--- Added Appendix C "Air Performance Test Method for Column Fans".

This standard uses the redrafting method to refer to IEC 60879.1986 "Structure and Performance of Circulating Fans and Their Governors" and its.1992 survey

The degree of consistency with IEC 60879.1986 is not equivalent.

This standard was proposed by the China Light Industry Association.

This standard is under the jurisdiction of the National Standardization Technical Committee for Household Appliances (SAC/TC46).

This standard was drafted. China Electric Apparatus Research Institute Co., Ltd., Guangdong Midea Environmental Electric Appliance Manufacturing Co., Ltd., Zhuhai Gree Electric Appliance

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Nanhai Electric Fan Industry Association, Guangdong Zhengye Electric Co., Ltd.

the company.

1 Scope

This standard specifies the product classification, technical requirements, test methods, inspection rules, marking, packaging, transportation and communication of AC fans and governors.

Storage.

This standard applies to single-phase rated voltage not exceeding 250V, other rated voltage does not exceed 480V, the table fan driven by AC motor,

Wall fans, floor fans, floor fans, ceiling fans, ceiling fans, page fans, column fans and decorative ceiling fans and their governors.

This standard does not apply to electric fans used under other special conditions.

2 Normative references

The following documents are indispensable for the application of this document. For dated references, only dated versions apply to this article.

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

GB/T 191 packaging storage and transportation pictorial signs (GB/T 191-2008, ISO 780.1997, MOD)

GB/T 1002 Household and similar single-phase plug and socket type, basic parameters and dimensions

GB/T 1003 Household and similar three-phase plug and socket type, basic parameters and dimensions

GB/T 1019-2008 General rules for the packaging of household and similar electrical appliances

GB/T 1236-2017 Industrial ventilators for performance testing with standardized air ducts (ISO 5801.2007, IDT)

GB/T 2099.1 Household and similar plugs and sockets - Part 1. General requirements (GB/T 2099.1-2008, IEC 60884-1.2006, MOD)

GB/T 2423.3 Environmental Test Part 2. Test Methods Test Cab. Constant Damp Heat Test (GB/T 2423.3-2006,

IEC 60068-2-78.2001, IDT)

GB/T 2423.17 Basic environmental test procedures for electric and electronic products test Ka. salt spray test method (GB/T 2423.17-

2008, IEC 60068-2-11. 1981, IDT)

GB/T 2828.1-2012. Sampling procedures for sampling by sampling - Part 1 . Batch-by-batch inspections by Retrieving Quality of Acceptance (AQL)

Sample plan (ISO 2859-1.1999, IDT)

GB/T 2829-2002 Periodic inspection count sampling procedures and tables (applicable to the inspection of process stability)

GB/T 2900.29 Electrical terminology for household and similar electrical appliances

GB/T 3667.1 AC motor capacitors - Part 1. General performance, test and s

Guidelines (GB/T 3667.1-2016, IEC 60252-1.2013, IDT)

GB/T 3667.2 AC motor capacitors Part 2. Motor starting capacitors (GB/T 3667.2-2016, IEC 60252-2.2013, IDT)

GB/T 4214.1-2017 - Test methods for noise of household appliances and similar appliances - Part 1 . General requirements

(IEC 60704-1.2010, MOD)

GB 4343.1 Electromagnetic compatibility requirements for household appliances, power tools and similar appliances - Part 1 . Launching (GB 4343.1-2009,

CISPR14-1..2005, IDT)

Safety of household and similar electrical appliances - Part 1. General requirements (GB 4706.1-2005, IEC 60335-1.

2004, IDT)

Safety of household and similar electrical appliances - Part 2. Particular requirements for fans (IEC 60335-2-80.