

ICS 23.120
CCS Y 61



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

GB/T 14806-2017

Replacing GB/T 14806-2003

**A.C. electric ventilating fans and regulators for household and
similar purposes**

家用和类似用途的交流换气扇及其调速器

(English Translation)

Issued on: December 29, 2017

Implemented on: July 1, 2018

**Issued by: General Administration of Quality Supervision, Inspection and
Quarantine of the People's Republic of China, Standardization
Administration of the People's Republic of China**

Table of Contents

Foreword	
1 Scope	
2 Normative references	
3 Terms and definitions	
4 Product categories	
5 Technical Requirements	
6 Test methods	
7 Inspection rules	
8 Logo, packaging, transportation, storage	
Appendix A (Normative) Ventilator air performance test methods	

Foreword

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

This standard replaces GB/T 14806-2003 "Exhaust fans for household and similar use and its governor." this standard compared with GB/T 14806-2003, the main technical differences are as follows.

- Some normative references have been modified;
- The term "all-pipe type (D-type) ventilator" has been modified (see 3.5);
- Increasing the measurement of impeller diameter using the accuracy of 1mm measuring tool (see 6.3.3);
- Increase in the type test start, radio and television interference suppression requirements (see 7.3);
- Appendix A air performance test method is modified to adopt the requirements of GB/T 1236-2017.

This standard uses redrafted law reference IEC 60665:1980 (first edition) "for household and similar use of AC ventilator and its speed" Compilation, inconsistent with IEC 60665 First Edition (1980) is not equivalent.

This standard proposed by the China Light Industry Federation.

This standard by the National Standardization Technical Committee appliances (ASC/TC46) centralized.

This standard was drafted unit. Weikai Testing Technology Co., Ltd., Guangdong Zheng Ye Electric Co., Ltd., Jiangmen City Jinling fan Manufacturing Co., Ltd., Guangdong Midea Environmental Electric Manufacturing Co., Ltd., Jiangmen Jinling Exhaust Fan Manufacturing Co., Ltd., Guangdong Green Island Wind Indoor Air Systems Technology Limited Company, Airmate Electric (Shenzhen) Co., Ltd., Lang Lang Building Electrical Supplies (Huizhou) Co., Ltd., Foshan City, the quality measurement supervision and testing center, Foshan Nanhai Songgang Huaxing Electric Co., Ltd., Flying Eagle Electric Group Co., Ltd., China Electric Apparatus Research Institute Co., Ltd., China Electric Institute.

1 Scope

This standard specifies for not more than 250V single-phase AC line, the input power does not exceed 500W, the impeller diameter does not exceed 0.5m, single-phase AC motor-driven, for mechanical ventilation for household and similar use of AC ventilator and its governor (hereinafter referred to as Ventilator) definition, product classification, technical requirements, test methods, inspection rules, signs, packaging, transportation, storage.

This standard applies to wall type (A type) ventilation fans; free-intake type (B type) ventilation fans; free exhaust type (C type) ventilation fans;

Type (D type) ventilation fan.

This standard does not apply to other uses of the ventilation fans, including. Designed specifically for industrial use ventilation fans; intended for special conditions, such as rot Exhaust fans for use in places where there is an oxidizing or explosive atmosphere (dust, vapors, or gases); for air heaters, refrigeration equipment or air-conditioning Ventilators for fans; fans for appliances (eg stoves, range hoods and microwave cooking appliances); vehicles, ships or aircraft Air fan.

2 Normative references

The following documents for the application of this document is essential. For dated references, only the dated version applies to this article Pieces. For undated references, the latest edition (including all amendments) applies to this document.

GB/T 191 Packaging - Pictorial signs (GB/T 191-2008, ISO 780:1997, MOD) GB/T 1002 single-phase plugs and sockets for household and similar purposes Type, basic parameters and dimensions GB/T 1003 household and similar uses three-phase plug socket type, basic parameters and dimensions GB/T 1236-2017 Industrial Ventilators with standardized duct performance test (ISO 5801:2007, IDT) GB/T 2099.1 plugs and sockets for household and similar use - Part 1. General requirements (GB/T 2099.1-2008, IEC 60884-1:2006, MOD) GB/T 2423.3 Environmental Testing Part 2. Test Methods Test Ca. Constant hot and humid test (GB/T 2423.3-2016, IEC 60068-2-78:2012, IDT) GB/T 2423.17 Environmental testing for electric and electronic products Part 2. Test methods Test Ka. Salt spray (GB/T

2423.17-2008, IEC 60068-2-11:1981, IDT) GB/T 2828.1 batch inspection counting Sampling procedures Part 1. By acceptance quality limit (AQL) retrieval batch inspection sampler Planning (GB/T 2828.1-2012, ISO 2859-1:1999, IDT) GB/T 2829 periodic inspection sampling procedures and sampling table (for the stability of the production process inspection) Electrotechnical terminology Household and similar electrical appliances GB/T 2900.29-2008 GB/T 3667.1 AC Motor Capacitors - Part 1. General Performance, Tests and Ratings Safety Requirements Installation and Operation Guideline (GB/T 3667.1-2016, IEC 60252-1:2013, IDT) GB/T 4208-2017 Enclosure Rating (IP Code) (IEC 60529:2013, IDT) GB/T 4214.1 Acoustics Household appliances and similar appliances noise test methods - Part 1. General requirements (GB/T 4214.1-2000, IEC 60704-1:1997, EQV) GB 4343.1 Household appliances, electric tools and similar appliances EMC requirements Part 1. Launch (GB 4343.1-2009, CISPR14-1.2005, IDT)