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

GB/T 47339-2026

General specification for small brushless DC fans

小型无刷直流风机通用技术条件

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Table of Contents

1.Scope	1
2 Normative References	1
3.Terms and Definitions	1
4.Classification	2
4.1 Voltage Level	2
4.2 Naming Rules	2
4.3 Environmental Conditions for Use	3
5.Technical Requirements	3
5.1 Appearance	3
5.2 External Shape and Installation Dimensions	3
5.3 Lead-out methods and markings	3
5.4 Wind direction and direction	4
5.5 Reference speed	4
5.6 Then the speed is	4
5.7 Starting Current	4
5.8 Operating Current	4
5.9 Insulation resistance	4
5.10 Dielectric strength of insulation	4
5.11 Weight	5
5.12 Self-vibration	5
5.13 Sound Pressure Level Noise	5
5.14 Airflow Characteristics	5
5.15 Speeding	5
5.16 Speed Regulation Performance	5
5.17 Winding temperature rise	5
5.18 Low temperature	5
5.19 High Temperature	5
5.20 Low pressure	6
5.21 Vibration	6
5.22 Impact	6
5.23 Constant humidity and heat	6
5.24 Salt spray	6

5.25 Electromagnetic Compatibility	6
5.26 High-temperature lifespan	7
6.1 Test Conditions	7
6.2 Appearance	7
6.3 External dimensions and installation dimensions	7
6.4 Lead-out methods and markings	8
6.5 Wind direction and direction	8
6.6 Reference speed	8
6.7 Starting Current	8
6.8 Operating current	8
6.9 Insulation resistance	8
6.10 Dielectric strength of insulation	8
6.11 Weight	8
6.12 Self-vibration	8
6.13 Sound Pressure Level Noise	8
6.14 Airflow Characteristics	8
6.15 Speeding	8
6.16 Speed regulation performance	9
6.17 Winding temperature rise	9
9 June 19th, high temperature	9
6.20 Low pressure	9
6.21 Vibration	9
6.22 Impact	9
6.23 Constant humidity and heat	9
6.24 Salt spray	9
6.25 Electromagnetic Compatibility	9
6.26 High-temperature lifespan	9
7. Inspection Rule	10
7.1 Inspection Classification	10
7.2 Identification and testing	10
7.3 Quality Consistency Inspection	11
8. Delivery Preparation	13
8.1 Nameplate	13
8.2 Packaging	13
8.3 Transportation	13

8.4 Storage	13
14 Appendix B (Normative) Basic Parameters	16

Foreword

This document complies with the provisions of GB/T 1.1-2020 "Standardization Work Guidelines Part

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1 Scope

GB/T 47339-2026 is the Chinese national standard covering the small brushless fan - the part that cools nearly every piece of electronic equipment, specified on airflow and pressure, speed control, noise, bearing life and the electrical and thermal requirements.

First edition, in force since 1 October 2026. It was issued on 31 March 2026 and takes effect on 1 October 2026, as a first edition. The document is under the responsibility of the Ministry of Industry and Information Technology. This page is published from the official record of the 2026 edition; the clause text of a standard this recent is not yet in circulation, and the figures, limits and tables it contains are those of the document itself, delivered in full with the English translation.

This document specifies the technical requirements, inspection methods, inspection rules, packaging, transportation, and other aspects for small brushless DC fans (hereinafter referred to as "fans"). Storage and other requirements. This document applies to small, non-fan-shaped fans with an outer diameter not exceeding 300mm used in electronic information, communication, and other equipment requiring heat dissipation. Brushed DC fans. This document should also be used for other brushless DC fans.

2 Normative references

The contents of the following documents, through normative references within the text, constitute essential provisions of this document. Dated citations are not included. For references to documents, only the version corresponding to that date applies to this document; for undated references, the latest version (including all amendments) applies. This document.

GB/T 1236-2017 Performance Test of Standardized Air Ducts for Industrial Ventilation Fans

GB/T 2423.1 Environmental testing of electronic and electrical products - Part

3 Terms and Definitions

The following terms and definitions apply to this document.

3.1 Then the speed of the lowspeed The rotational speed of the fan when it returns to normal after various environmental tests and high-temperature life tests.

3.2 benchmark speed The stable rotational speed measured before all environmental tests are conducted.