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

GB/T 43552-2023

**Comfort fans and regulators for household and similar
purposes - Methods for measuring performance**

家用和类似用途舒适风扇及其调速器 性能测试方法

(English Translation)

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Foreword

This document complies with the provisions of GB/T 1.1-2020 "Standardization Work Guidelines Part 1: Structure and Drafting Rules of Standardization Documents" Drafting:

This document is equivalent to IEC 60879:2019 "Performance Test Method for Comfort Fans and Their Speed Regulators for Household and Similar Purposes":

Please note that some content in this document may be subject to patents: The publisher of this document assumes no responsibility for identifying patents:

1 Scope

This document describes performance testing methods for comfort fans and speed regulators used in household and similar applications, including conventional fans, column fans, bladeless fans, etc:

Fan, single-phase rated voltage does not exceed 250V, other rated voltages do not exceed 480V, rated input power does not exceed 125W, powered by a motor driven fan:

Note 1: According to differences in test methods, comfort fans are divided into two categories:

---Floor fans, table fans, wall fans, rotating leaf fans, column fans, bladeless fans;

---ceiling fan:

References in this document to "fans" include their speed regulators:

Note 2: This document does not apply to:

- Safety of electric fans for household and similar purposes (see GB 4706.27);
- Performance of AC ventilators for household and similar purposes (see IEC 60665);
- Electromagnetic compatibility requirements for household appliances, power tools and similar appliances Part 1: Emissions (see GB 4343.1);
- Electromagnetic compatibility requirements for household appliances, power tools and similar appliances Part 2: Immunity (see GB/T 4343.2);
- Electromagnetic compatibility limits harmonic current emission limits (equipment input current $\leq 16\text{A}$ per phase) (see GB 17625.1);
- Electromagnetic compatibility limits apply to the voltage changes and electricity generated by equipment with a rated current of each phase $\leq 16\text{A}$ and unconditional access in the public low-voltage power supply system:

Limitations on voltage fluctuation and flicker (see GB/T 17625.2):

2 Normative reference documents

The contents of the following documents constitute essential provisions of this document through normative references in the text: Among them, the dated quotations for undated referenced documents, only the version corresponding to that date applies to this document; for undated referenced documents, the latest version (including all amendments) applies to this document:

IEC 60704-2-7 Test specification for determination of aeroacoustic noise from household and similar electrical appliances Part 2-7: Special characteristics of fans Note: GB/T 4214.9-2021 Special requirements for fans in noise test methods for household and similar electrical appliances (IEC 60704-2-7:2020, MOD) standby power) Note: GB/T 35758-2017 Measurement method of standby power of household appliances (IEC 62301:2011, IDT)

3 Terms and definitions

The following terms and definitions apply to this document:

comfort fan
comfort fan Fans mainly designed to generate air flow around or on part of the human body to make the human body feel cool and comfortable, including attached Fans with other functions, such as lighting, etc:

Note: The fans mentioned in this article all refer to comfort fans: