



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

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**Test method for noise of household and similar electrical
appliances - Particular requirements for fans**

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Foreword

GB/T 4214 Test Method for Noise of Household and Similar Electrical Appliances can be divided into the following 9 parts.

- Part 1.General Requirements;
- Part 2.Particular Requirements for Vacuum Cleaners;
- Part 3.Particular Requirements for Dishwashers;
- Part 4.Particular Requirements for Washing Machines and Spin Extractors;
- Part 5.Particular Requirements for Electric Shavers;
- Part 6.Particular Requirements for Electric Hair Care Appliances;
- Part 7.Particular Requirements for Tumble Dryers;
- Part 8.Particular Requirements for Electric Cooking Ranges, Ovens, Grills, Microwave Ovens and Any combination of These;
- Part 9.Particular Requirements for Fans.

This Part is Part 9 of GB/T 4214.

This Part is used in conjunction with GB/T 4214.1-2017. The contents of this Part that say "applicable" means that the corresponding provisions in GB/T 4214.1-2017 are applicable to

this Part; the contents that say "replacement" in this Part is subject to the provisions of this Part;

the contents that say "addition" means that in addition to complying with the corresponding provisions in GB/T 4214.1-2017, it is also necessary to comply with the provisions added in the provisions of this Part.

This Part was drafted as per the rules specified in GB/T 1.1-2009.

This Part used redrafting method to modify and adopt IEC 60704-2-7.2020 Household and Similar Electrical Appliances - Test Code for the Determination of Airborne Acoustical Noise - Part 2-7. Particular Requirements for Fans.

The Technical differences and causes between this Part and IEC 60704-2-7.2020 are as follows.

--- Combined with the situation of China's fan product industry, add the floor fans to the scope (Clause 1, and 1.1.1);

--- Combined with the situation of China's fan product industry, add term and definition of

3.115 floor fans (Clause 3);

--- Definitions 3.101~3.109 have repeatedly used the definition of comfort fans in IEC 60879.2019, so add the term and definition of 3.116 comfort fans for ease of use and understanding (Clause 3);

--- Describe the test height of height-adjustable table fans, floor fans and pedestal fans in details, and list the situations that can be automatically oscillated. Reason. Clarify the test height and automatic swing of height-adjustable table fans, floor fans and pedestal fans (see 6.4.1);

--- Add the ceiling bracket fans, because the installation method of the ceiling bracket is the same as that of the ceiling fans (6.5.1);

--- Add the installation method of the wall bracket fans, so that clarify the installation

method of the wall bracket fans (6.5.4);

--- Add floor fans to the 7.1.1 the scope of application of the measurement surface. Reason.

The above-mentioned type of fan is added to the scope of Clause 1 (7.1.1);

--- Describe the high pedestal fans that is applicable to the measurement surface in 7.1.6, which is applicable to the non-adjustable height pedestal fans whose geometric center of the reference body is greater than 1m from the ground. Reason. Clarify the range of the high pedestal fans (7.1.6).

This Part made the following editorial modifications.

--- In order to keep consistent with the existing standard series, change the standard name into Test Method for Noise of Household and Similar Electrical Appliances - Particular Requirements for Fans.

This Part was proposed by China National Light Industry Council.

This Part shall be under the jurisdiction of National Technical Committee on Household Electrical Appliances of Standardization Administration of China (SAC/TC 46).

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Test Method for Noise of Household and Similar

Electrical Appliances - Particular Requirements for Fans

1 Scope and Object

This Clause of GB/T 4214.1-2017 is applicable except as follows.

1.1.1 General

Replacement.

This Part of GB/T 4214 applies to electrical fans (hereinafter referred to as fans) including their

accessories and their component parts for household and similar use, designed for AC or DC

supply.

The motor, the impeller and their housing, if any, form a single unit.

This Part apply to.

- conventional fans,
- table fans,
- pedestal fans,
- ceiling fans,
- bladeless fans,
- wall bracket fans,
- ceiling bracket fans,
- louver fans,
- tower fans,
- ventilating and partition ventilating fans,
- pedestal fan.

5 Instrumentation

This Clause GB/T 4214.1-2017 is applicable except as follows.

Addition.

The use of a windscreen is mandatory, and necessary corrections for changes in the microphone

sensitivity shall be added to the observed sound pressure levels.