

CCS Z 32



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

GB/T 4214.16-2022

**Test method for noise of household and similar electrical
appliances - Particular requirements for food waste disposers**

Issued on: April 15, 2022

Implemented on: April 15, 2022

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

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foreword

This document is in accordance with the provisions of GB/T 1.1-2020 "Guidelines for Standardization Work Part 1. Structure and Drafting Rules of Standardization Documents" drafted.

This document is part 16 of GB/T 4214 "Test methods for noise of electrical appliances for household and similar purposes". GB/T 4214 has been released

The following parts.

- General requirements (GB/T 4214.1);
- Special requirements for vacuum cleaners (GB/T 4214.2);
- Special requirements for dishwashers (GB/T 4214.3);
- Special requirements for washing machines and centrifugal dehydrators (GB/T 4214.4);
- Special requirements for electric shavers (GB/T 4214.5);
- Special requirements for hair care appliances (GB/T 4214.6);
- Special requirements for tumble dryers (GB/T 4214.7);
- Special requirements for electric stoves, ovens, grills, microwave ovens and their combined appliances (GB/T 4214.8);
- Special requirements for fans (GB/T 4214.9);
- Procedures for determining and checking the stated value of noise (GB/T 4214.10);
- Special requirements for electric food processing appliances (GB/T 4214.11);

---Special requirements for fan heaters (GB/T 4214.12);

---Special requirements for range hoods and other cooking fume extraction devices (GB/T 4214.13);

---Special requirements for refrigerators, frozen food storage boxes and food freezers (GB/T 4214.14);

---Special requirements for thermal storage indoor heaters (GB/T 4214.15);

--- Special requirements for waste food processors (GB/T 4214.16).

This document uses the redrafted law to modify and adopt IEC /PAS60704-2-15.2008 "Airborne Noise from Household and Similar Electrical Appliances"

Test Specification for Sound Measurement Part 2-15.Particular Requirements for Waste Food Disposers.

The main technical differences between this document and IEC /PAS60704-2-15.2008 and their reasons are as follows.

--- Modified the version of Part 1 used in conjunction with this document, as part 16 of GB/T 4214, it must be consistent with the current

Use in conjunction with GB/T 4214.1-2017.

--- Delete the second paragraph in 1.1.1 Overview, 1.1.1 in GB/T 4214.1-2017 applies to this document.

--- Regarding normative reference documents, this document has made adjustments to technical differences to adapt to the technical conditions of our country.

It is reflected in Chapter 2 "Normative References", and the specific adjustments are as follows.

* Deleted ANSI/ASMEA112.19.3-2000;

* Replace ISO 3744 with GB/T 3767-2016 which is equivalent to adopting international standards (see Chapter 1);

* Replace ISO 3743-1 (see Chapter 1 and Chapter 4) with GB/T 6881.2-2017 which is equivalent to the international standard;

* Replace ISO 3743-2 (see Chapter 1) with GB/T 6881.3-2002 which is equivalent to adopting international standards.

--- Modified the definition of 3.102, and changed the noise test standard "hard" load to white pine solid wood block to adapt to the actual situation in our country.

--- Modified the definition of 3.103, and changed the noise test standard "soft" load to cube potato cubes to adapt to the actual situation in our country.

- Deleted 3.104 grinding operation, the term has no corresponding content in the text.
 - Modified the operation mode in 6.1.3 and changed it to no-load operation to adapt to the actual situation of our country.
 - Added a note in 6.2.4 to improve the requirements for water supply to appliances under specific circumstances.
 - Modified the test method in 6.4.2, deleted the description about the presence of the operator, extended the test duration to 30s, and
- The cold water 5min was changed to the test interval of 5min to conform to the actual test situation.
- Deleted 6.5.3, 6.5.3 in GB/T 4214.1-2017 applies to this document.
 - Modified the requirements for the water tank in 6.5.5, and added a note to explain the requirements for the material of the test table to adapt to the actual situation in my country
- Happening.
- Added 7.4.1, explaining the method of taking the sound pressure level.
 - Added the description of the size of the test cabinet in Figure 101.

The following editorial changes have been made to this document.

- In order to be consistent with the existing standard series, the standard name is changed to "Household and similar electrical appliances noise test method Waste food disposal"

Special Requirements for Devices".

Please note that some content of this document may be patented. The issuing agency of this document assumes no responsibility for identifying patents.

Introduction

GB/T 4214 "Test methods for noise of household and similar electrical appliances" series of national standards adopts IEC 60704 series of international standards.

The former plan is divided into 16 parts.

- General requirements (GB/T 4214.1). The purpose is to give general requirements for the noise test methods of various products.

---Special requirements for vacuum cleaners (GB/T 4214.2). The purpose is to propose a special noise test method for vacuum cleaners

Require.

- Special requirements for dishwashers (GB/T 4214.3). The purpose is to put forward

special requirements for the noise test method of dishwashers.

---Special requirements for washing machines and centrifugal dehydrators (GB/T 4214.4). The purpose is to reduce the noise of washing machines and centrifugal dehydrators

Acoustic test methods put forward special requirements.

---Special requirements for electric shavers (GB/T 4214.5). The purpose is to propose a special noise test method for electric shavers

Require.

---Special requirements for hair care appliances (GB/T 4214.6). The purpose is to propose a special noise test method for hair care appliances.

special requirements.

---Special requirements for tumble dryers (GB/T 4214.7). The purpose is to propose a special noise test method for tumble dryers.

special requirements.

---Special requirements for electric stoves, ovens, grills, microwave ovens and their combined appliances (GB/T 4214.8). The purpose is to use electric stoves, ovens,

Special requirements for noise test methods for grills, microwave ovens and their combination appliances.

--- Special requirements for fans (GB/T 4214.9). The purpose is to put forward special requirements for the noise test method of the fan.

--- Procedures for determining and testing the stated value of noise (GB/T 4214.10). The purpose is to give all product identification and inspection noise instructions.

General requirements for indication.

---Special requirements for electric food processing appliances (GB/T 4214.11). The purpose is to test the noise of electric food processing appliances

methods make special demands.

--- Special requirements for fan heaters (GB/T 4214.12). The purpose is to propose a noise test method for fan heaters

special requirements.

---Special requirements for range hoods and other cooking fume extraction devices (GB/T 4214.13). The purpose is to control the range hood and its

He makes special requirements for noise test methods for cooking fume extraction devices.

--- Special requirements for refrigerators, frozen food storage boxes and food freezers