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

GB/T 4214.17-2024

**Test method for noise of household and similar electrical
appliances - Particular requirements for dry-cleaning robots**

家用和类似用途电器噪声测试方法 干式清洁机器人的特殊要求

(English Translation)

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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 for standardization documents" Drafting is required.

This document is Part 17 of GB/T 4214 "Test methods for noise from household and similar electrical appliances". GB/T 4214 has been published the following parts.

- General requirements (GB/T 4214.1);
- Particular requirements for vacuum cleaners (GB/T 4214.2);
- Special requirements for dishwashers (GB/T 4214.3);
- Particular requirements for washing machines and centrifugal extractors (GB/T 4214.4);
- Particular requirements for electric shavers, electric hair clippers and hair trimmers (GB/T 4214.5);

- Particular requirements for hair care appliances (GB/T 4214.6);
- Particular requirements for tumble dryers (GB/T 4214.7);
- Particular requirements for electric ranges, ovens, grills, microwave ovens and their combination appliances (GB/T 4214.8);
- Special requirements for fans (GB/T 4214.9);
- Procedure for determining and verifying the stated value of noise (GB/T 4214.10);
- Particular 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);
- Particular requirements for refrigerators, frozen food storage containers and food freezers (GB/T 4214.14);
- Special requirements for thermal storage room heaters (GB/T 4214.15);
- Special requirements for food waste disposers (GB/T 4214.16);
- Special requirements for dry cleaning robots (GB/T 4214.17).

This document is modified to adopt IEC 60704-2-17:2020 "Test specification for the determination of airborne noise from household and similar electrical appliances" Part 2-17. Particular requirements for dry cleaning robots.

The technical differences between this document and IEC 60704-2-17:2020 and the reasons are as follows.

- a) IEC 60704-3 (see 1.2, 1.101) is replaced by the normative reference GB/T 4214.10-2021, GB/T 38048.1-2020 replaced IEC TS 62885-1 (see 3.101, 6.5.1) to adapt to my country's technical conditions;
- b) Based on the actual test situation, the requirements for measurement time of different test rooms were refined and the expression was adjusted (see 6.4.3);
- c) According to the structure of GB/T 4214.1-2017 and the requirements of this document, the requirements for sound pressure level measurement have been improved (see 7.4.1);
- d) In accordance with the structure of GB/T 4214.1-2017 and the requirements of this document, the requirements for reporting in record content have been improved (see 9.14).

The following editorial changes were made to this document.

- To be consistent with the existing standard series, the standard name will be changed to "Test Methods for Noise of Household and Similar Electrical Appliances - Dry Cleaning

Machines" Special Requirements for Robots;

--Deleted Note 101 in 6.5.1.

Introduction

GB/T 4214 "Test methods for noise of household and similar electrical appliances" series of standards adopts IEC 60704 series of international standards and is divided into the following part.

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

--Special requirements for vacuum cleaners (GB/T 4214.2). The purpose is to put forward special requirements for the noise test method of 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 Special requirements are placed on acoustic testing methods.

--Special requirements for electric shavers, electric hair clippers and hair trimmers (GB/T 4214.5).

Special requirements are put forward for the noise test method of hair clippers and trimmers.

--Special requirements for hair care appliances (GB/T 4214.6). The purpose is to put forward special requirements for the noise test method of hair care appliances.

Special requirements.

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

Special requirements.

-- Particular requirements for electric ranges, ovens, grills, microwave ovens and their combination appliances (GB/T 4214.8).

Special requirements are put forward for the noise test methods of 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 fans.

--Procedure for determining and testing the noise level (GB/T 4214.10). The purpose is to

provide procedures for determining and testing the noise level of all products.

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.

The method makes special requirements.

--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 He puts forward special requirements for the noise test method of cooking smoke suction and exhaust devices.

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

Special requirements are put forward for the noise test methods of frozen food storage boxes and food freezers.

--Special requirements for thermal storage room heaters (GB/T 4214.15). The purpose is to test the noise of thermal storage room heaters.

The method makes special requirements.

--Special requirements for food waste disposers (GB/T 4214.16). The purpose is to test the noise of food waste disposers.

Make special requests.

--Special requirements for dry cleaning robots (GB/T 4214.17). The purpose is to test the noise of dry cleaning robots.

Make special requests.

GB/T 4214 series standards (except GB/T 4214.1 and GB/T 4214.10) are equivalent to or modified to IEC 60704-2 series standards.

GB/T 4214.1-2017 is modified to adopt IEC 60704-1:2010. This document is used in conjunction with GB/T 4214.1-2017.

GB/T 4214.10-2021 is equivalent to IEC 60704-3:2006, which is the basis for the determination and verification of other documents in the entire series of standards.

The verification of the noise level provides a basis.

The parts marked "Applicable" in this document indicate that the corresponding provisions