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

GB/T 46496-2025

Kitchen air conditioner

厨房空调器

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Table of Contents

1.Scope	1
2 Normative References	1
3.Terms and Definitions	2
4 Product Categories	3
5 Technical Requirements	4
6.Experiment	8
7.Inspection Rule	14
30 References	32

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. Please note that some content in this document may involve patents. The issuing organization of this document assumes no responsibility for identifying patents. This document was proposed by the China National Light Industry Council. This document is under the jurisdiction of the National Technical Committee on Standardization of Household Appliances (SAC/TC46). This document was drafted by: Guangdong Midea Refrigeration Equipment Co., Ltd., Aupu Intelligent Technology Co., Ltd., and Zhejiang Midea Intelligent Kitchen Equipment Co., Ltd. Wei Co., Ltd., China Household Electric Appliance Research Institute, Qingdao Haier Air Conditioner Co., Ltd., China Household Electric Appliance Research Institute (Beijing) Testing and Certification Co., Ltd. Hisense Air Conditioning Co., Ltd., Ningbo Dongda Air Conditioning Equipment Co., Ltd., Guangzhou Panasonic Air Conditioner Co., Ltd., and Zhuhai Gree Electric Appliances Co., Ltd. Company, Daikin (China) Investment Co., Ltd., TCL Air Conditioner (Zhongshan) Co., Ltd., AUX Air Conditioning Co., Ltd., Qingdao Hisense Hitachi Air Conditioning Systems Co., Ltd., Ningbo Fotile Kitchenware Co., Ltd., Hangzhou Robam Appliances Co., Ltd., Shenyang AVIC Electromechanical Sanyo Refrigeration Equipment Co., Ltd. Limited Liability Company, Zhejiang Oulun Electric Co., Ltd., Westinghouse Air Conditioning (Nanjing) Co., Ltd., Xiaomi Smart Home Appliances (Wuhan) Co., Ltd., Xi'an Jiaotong University, Ningbo Baogong Electric Appliance Co., Ltd., Guangdong Hailunbao Home Appliance Co., Ltd., Guangdong Wanle Gas Appliance Co., Ltd., and Zhongrenying Tai Testing Technology Co., Ltd., Guangdong Green Island Air System Co., Ltd., Weikai Testing Technology Co., Ltd., Nanning Anhe Machinery Equipment Co., Ltd. Equipment Co., Ltd. The main drafters of this document are. Qu Zongfeng, Ji

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1 Scope

GB/T 46496-2025 is the Chinese national standard covering the air conditioner built for a Chinese kitchen - the cooling capacity against the load a wok range imposes, the grease that fouls the evaporator and the cleanability that follows from it, the airflow that must not disturb the range hood, and the noise. At 21,500 words. Chinese cooking makes an ordinary split unit fail quickly, which is why this is a category of its own. First edition, in force from 1 May 2026. Issued on 5 October 2025, it has been in force since 1 May 2026.

This document specifies the general and performance technical requirements for kitchen air conditioners, describes the corresponding test methods, and clarifies the inspection rules and standards. It covers aspects such as labeling, packaging, transportation, and storage, and also provides product classification and model naming for ease of technical specification. This document applies to air-cooled and water-cooled condensers, fully enclosed motor-compressors, with a rated cooling capacity of 14000W and below. Research, design, production and inspection of air conditioners used in household kitchen environments. This document does not apply to the following products and systems.

---Portable air conditioner;

---Individual components cannot form a complete refrigeration system;

---Air conditioners that use absorption refrigeration cycles;

---Kitchen air conditioners installed in special locations, such as those where corrosive or explosive gases (dust, vapor, or methane) are present. occasion. The relevant testing procedures for the following products can be found in this document.

---Integrated products with kitchen air conditioning functions, and the testing of their kitchen air conditioning function;

---Testing of the function of independently turning on the kitchen air conditioning of the indoor unit of a multi-split air conditioning (heat pump) unit used in a household kitchen environment.

2 Normative references

The contents of the following documents, through normative references within the text, constitute essential provisions of this document. Dated citations are listed below. 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 191 Packaging and Storage Graphic Symbols

GB/T 1040.2 Determination of tensile properties of plastics - Part

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