

ICS 91.140.30

CCS Y 61



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

**GB/T 17790-2025**

Replacing GB 17790-2008

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**Installation specifications for household and similar  
air-conditioner**

家用和类似用途空调器安装规范

**Issued on: October 31, 2025**

**Implemented on: May 1, 2026**

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**Issued by: State Administration for Market Regulation;  
Standardization Administration of China**

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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 supersedes GB 17790-2008 "Installation Specifications for Household and Similar Air Conditioners". Compared with GB 17790-2008, except for the structural... Aside from structural adjustments and editorial changes, the main technical changes are as follows:

---The scope has removed "personal and property safety, surrounding environment, realization of product pre-defined functions, and" (see Chapter 1 of the.2008 edition);

---The definitions of "residential central air conditioner" and "mounting bracket" have been revised (see 3.1, 3.4, and

3.4 in the.2008 version);

---Added terms and definitions for working at heights, installation accessories, safety belts, safety ropes, and expansion bolts (see 3.8, 3.9, 3.10, and 3.11). 3.12) The term "safe life" and its definition have been deleted (see

3.8 in the.2008 edition);

---Some clause numbers and contents of the air conditioner installation accessory requirements have been changed. General requirements (see 4.1,

4.2 of the.2008 version). Section 4.4), connecting pipes (see 4.2,

4.2.1.1 in the.2008 edition), connectors (see 4.3,

4.2.1.2 in the.2008 edition), piping protection Temperature control materials (see 4.4,

4.2.1.3 of the.2008 edition), electrical wiring (see 4.5,

4.2.2 of the.2008 edition), air conditioning controllers (see...) 4.6 (

4.2.3 of the 2008 edition), outdoor mounting brackets and fasteners (see 4.7 (4.3.1~

## 1 Scope

GB/T 17790-2025 is the Chinese national standard on installation specifications for household and similar air-conditioner, in the field of construction materials and building. The /T suffix marks it as a recommended standard: it is not compulsory by itself, but it becomes binding as soon as a contract, a tender or a customer specification calls it up - which in practice is how most foreign buyers meet it. It was issued on 31 October 2025 by the State Administration for Market Regulation; Standardization Administration of China, and has been in force since 1 May 2026. Classification: ICS 91.140.30, CCS Y 61. This page is published from the official record of the standard held by the Chinese standards administration: the identification, the dates, the classification and the issuing body are taken from there. The clause text, the tables and the numeric limits are in the document itself, which is delivered complete in English translation.

This document specifies the procedures for installation of household and similar-purpose air conditioners (hereinafter referred to as "air conditioners") by users after the product leaves the factory. Requirements for air conditioner installation accessories, air conditioner installation requirements, air conditioner installation preparation and operation, air conditioner inspection and acceptance, etc. This document applies to the installation of air conditioners for residential and similar purposes that directly cool or heat indoor air. Note

1. The reinstallation of household and similar air conditioners after use (such as relocation, maintenance disassembly and assembly, etc.) shall be carried out in accordance with this document. Note

2. Appendix A applies to the installation of residential central air conditioning units.

## 2 Normative references

The contents of the following documents, through normative references within the text, constitute essential provisions of this document. Dated citations are not included. 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 1002 Types, basic parameters and dimensions of single-phase plugs and sockets for household and similar purposes

GB/T 2099.1 Plugs and sockets for household and similar purposes - Part

## 3 Terms and Definitions

The following terms and definitions apply to this document.

3.1 Household central air conditioner Primarily used in residential and similar applications, it consists of one outdoor unit connected to one or more indoor units via refrigerant piping, enabling... Equipment in which all or some indoor units operate simultaneously.

Note. This does not include wall-mounted and floor-standing air conditioners.

3.2 Professional installers will fix the air conditioner in a suitable location and proceed with the installation based on the user's actual environmental conditions and reasonable installation requirements. Perform proper assembly, connection, and debugging to achieve the intended functionality and integrity of the air conditioner.