

ICS 27.200
CCS J73



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

GB/T 48121-2026

**Greenhouse gases - Quantification methods and requirements
for carbon footprint of product - Refrigeration and
air-conditioning equipment**

温室气体 产品碳足迹量化方法与要求 制冷空调设备
(English Translation)

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Foreword

GB/T 48121-2026 is a recommended national standard (GB/T) of the People's Republic of China, issued on 28 August 2026 by the State Administration for Market Regulation and the Standardization Administration of China, with effect from 1 March 2027.

It is under the responsibility of the China Machinery Industry Federation.

Classification: ICS 27.200; CCS J73.

1 Scope

This standard sets quantification methods and requirements for the carbon footprint of products in the refrigeration and air-conditioning equipment sector. It falls within the greenhouse gas series and helps companies calculate and report the emissions attributed to a product across its life. It is written for manufacturers of refrigeration and air-conditioning equipment, sustainability teams, verification bodies and buyers who ask suppliers for product carbon data.

It is a recommended national standard (GB/T), with the China Machinery Industry Federation as the responsible body, and it takes effect on 1 March 2027. As carbon disclosure requests increase from customers and regulators, a sector-specific national method lets suppliers prepare footprint statements on a consistent basis. Importers and exporters dealing with Chinese HVAC and cooling products may refer to it when interpreting footprint declarations.