

HJ

INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

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Replacing HJ/T 304-2006

Technical requirement for environmental labeling products Room air conditioners (English Translation)

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Foreword

To implement the "People's Republic of China Environmental Protection Law", reducing the room air conditioner in the production and use on the environment and human Health effects, environmental protection, development of this standard.

The standard of environmental design of the room air conditioner, production processes, energy consumption, noise, toxic and harmful substances, recycling and recycling and other proposed requirements.

This standard of "environmental labeling products technical requirements for room air conditioner" (HJ/T 304-2006) the technical contents of repair Order, the main changes are as follows.

- Expanding the product range, the speed-controlled room air conditioners and refrigeration products and the amount is less commercial 14000W Air conditioning included in the standard range;
- Added refrigerant requirements;
- Increasing the requirements for hazardous substances;
- Improving the energy efficiency requirements;
- Increased noise requirements;
- Increase the production process control requirements.

This standard applies to Chinese environmental product certification mark.

This standard is developed by the Ministry of Environmental Protection Science,

Technology organization.

This standard is mainly drafted by. Ministry of Environmental Protection and Development Center, Daikin (China) Investment Co., Ltd.

This standard MEP January 13, 2014 for approval.

This standard since March 1, 2014 implementation.

The standard explanation by the Ministry of Environmental Protection.

This standard replaces the standards previously issued as follows.

--HJ BZ 18-1997, HJ BZ 18-2000, HJ/T 304-2006.

Environmental labeling products technical requirements for room air conditioners

1 Scope

This standard specifies the terms and definitions room air conditioner for environmental labeling products, basic requirements, technical contents, and testing methods.

This standard applies to the use of air-cooled and water-cooled condenser, Hermetic motor - compressors, cooling capacity and less household 14000W and similar use of room air conditioners.

This standard does not apply to the following products.

- Mobile air conditioners;
- Integral room air conditioner;
- Does not form a separate component complete refrigeration systems;
- Use the air conditioner absorption refrigeration cycle.

2 Normative references

This standard refers to the contents of the following documents contain provisions which, undated references, the effective version applies to this standard.

GB/T 16288 plastic signs GB/T 18455 Packaging Recycling Marks GB/T 20861-2007 waste products recycling terminology GB/T 26572 Limited restricted substances in electrical and electronic equipment requirements HJ/T 239 environmental labeling products technical requirements for batteries

3 Terms and Definitions

The following terms and definitions apply to this standard.

3.1 Room air conditioners room air conditioner

A method of providing treated air device directly to an enclosed space, room or area. Including refrigeration and dehumidification cooling Systems and air circulation and purification device may further include a heating and ventilation system (which can be assembled in a box or housing designed to Components of the system for use with), such as free air-type air conditioners, water source heat pump, air conditioner unit, air duct type Air conditioning units, multi-type air conditioning units, roof air conditioner and the like.

3.2 ODP ozone depleting potential (ODP)

It refers to a substance in its atmospheric lifetime, global ozone losses relative to the same mass of CFC-11 emissions caused by the ratio of ozone loss.

3.3 Renewable utilization recyclability rate

Product quality can be regenerated using part (excluding energy recovery) as a percentage of product quality. (GB/T 20861-2007)

4 Basic Requirements

4.1

Quality of products shall meet the quality standards appropriate.

4.2

product safety, electromagnetic compatibility shall comply with the appropriate standards.

4.3

Pollutant emissions should conform with pollutant emission standards national or local regulations.

4.4

products manufacturing enterprises in the production process should strengthen cleaner production, cleaner production and meet the appropriate standards.

5.1.1 Easy to recycle design

5.1.1.1

product recycling rate of not less than 83%.

5.1.1.2

mass exceeding 25g, or planar surface area over 200mm² plastic parts should use a single type of polymer or copolymerizing Thereof.

5.1.1.3

mass of more than 25g, and the flat surface area over 200mm² plastic parts shall be in accordance with GB/T 16288 standard requirements Shown.

5.1.2 Parts of hazardous substances requirements

5.1.2.1

product refrigerant used ozone-depleting potential (ODP) should be 0.

5.1.2.2

product base housing and the circuit board can not use short-chain chlorinated paraffins (SCCPs), in an amount not exceeding the total plastic parts 0.1% by volume.

5.1.2.3

Product quality is greater than 25g of the housing plastic parts shall not use chlorine, bromine-containing polymer, not add chlorine containing organic Compound, an organic bromine compound flame retardant.

5.1.2.4

In addition to wire and cable products, the quality is greater than 25g plastic parts shall not be used phthalates listed in Appendix A as a plasticizer.

5.1.2.5

Product remote shell, all kinds of buttons, filters and an external power supply line of benzo (a) pyrene in the total amount should not exceed 20 mg/kg, 18 polycyclic aromatic hydrocarbons (PAHs) listed in Appendix B of the total amount should not exceed 200 mg/kg.

5.1.2.6

product comes with batteries should be consistent with HJ/T 239 requirements.

5.2 Production stage requires

5.2.1

should have the refrigerant recovery.

5.2.2

not use HCFCs (HCFCs), 1,1,1- trichloroethane (C₂H₃Cl₃), trichlorethylene (C₂HCl₃), dichloroethane Alkyl (CH₃CHCl₂), methylene chloride (CH₂Cl₂), chloroform (CHCl₃), carbon tetrachloride (CCl₄), bromopropane (C₃H₇Br) and other substances as a cleaning solvent.