

ICS 27.010  
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**NATIONAL STANDARD OF THE  
PEOPLE'S REPUBLIC OF CHINA**

**GB 12021.4-2013**

Replacing GB 12021.4-2004

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**Maximum allowable values of the energy, water consumption  
and grades for household electric washing machines**

电动洗衣机能效水效限定值及等级

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### Foreword

Sub-clause 4.2 of this standard is mandatory; the rest are recommendatory.

This standard was drafted in accordance with the rules given in GB/T 1.1-2009.

This standard replaces GB 12021.4-2004 "The maximum allowable values of the energy consumption and energy efficiency grade for household electric washing machines".

Compared with GB 12021.4-2004, the main changes are as follows:

- added the term and definition of rated capacity (3.2);
- added the term and definition of partial capacity (3.3);
- modified the term and definition of electric energy consumption (3.4);
- modified the term and definition of water consumption (3.5);
- modified the energy consumption grade index of the various types of washing machine (4.1.1);
- added the water consumption grade (4.1.2);
- added the tolerance of allowed deviation between energy label and test data (4.1.3);
- introduced the test for partial capacity (5.2).

This standard was jointly proposed by the Department of Resource Conservation and Environment Protection of the National Development and Reform Commission, the Department of Water Resources Management of the Ministry of Water Resources, and the Department of Energy Conservation and Resources Utilization of the Ministry of Industry and Information Technology.

This standard is under the jurisdiction of the National Technical Committee on Energy

Fundamentals and Management of Standardization Administration of China (SAC/TC 20) and the National Technical Committee on Industrial Water Conservation of Standardization Administration of China (SAC/TC 442).

Drafting organizations: China National Institute of Standardization; Qingdao Haier Washing Machine Co., Ltd.; BSH Electrical Appliances (Jiangsu) Co., Ltd.; Wuxi Little Swan Co., Ltd.; Guangzhou Weikai Testing Technology Research Institute.

## 1 Scope

This standard specifies the maximum allowable values of energy consumption per kilogram, the maximum allowable values of water consumption, the energy conservation evaluation values, the water conservation evaluation values, the energy grades and the water consumption efficiency grades of electric washing machines.

This standard is applicable to household electric washing machines of which the rated washing capacity is 13 kg and below (hereinafter referred to as washing machines).

This standard does not apply to washing machines of which the rated washing capacity is 1.0 kg and below, single-tub washing machines without dehydration function, or agitator washing machines. For a washer-dryer, only the washing function shall be assessed.

## 2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

GB/T 2828 (all parts) Sampling procedures for inspection by attributes · GB/T 2829 Sampling procedures and tables for periodic inspection by attributes (apply to inspection of process stability) · GB/T 4288 Household and similar electrical washing machines