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

中华人民共和国国家标准

GB/T 29540-2013

**Minimum allowable values of the energy
efficiency and energy efficiency grades for
lithium bromide absorption chillers**

溴化锂吸收式冷水机组能效限定值 及能效等级

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Foreword

Article 4.2 in this standard is mandatory and other articles are recommended.

This standard is drafted based on GB/T 1.1 – 2009.

This standard is proposed by the Resources Economization & Environmental Protection Department under the National Development and Reform Commission, and the Energy Conservation and Comprehensive Utilization Department under the Ministry of Industry and Information.

This standard is under the jurisdiction of the National Technical Committee on Energy Fundamentals and Management of Standardization Administration of China (SAC/TC 20).

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Minimum Allowable Values of the Energy Efficiency and Energy Efficiency grades for Lithium Bromide Absorption Chillers

1 Scope

This standard specifies the minimum allowable values of energy efficiency, evaluating values of energy conservation, energy efficiency grades, test methods and inspection rules for lithium bromide absorption chillers.

This standard is applicable to lithium bromide absorption chillers for air conditioning use or industry use with steam as heat source or with the direct combustion of fuel or fuel gas as heat source but not applicable to chillers with 2 combined heat sources or more.

2 Normative references

Following documents are indispensable for application of this document. For the dated documents so quoted, only dated versions apply to this document. For the undated documents so quoted, the latest versions (including all modification sheets) apply to this document.

GB/T 18362 Direct-fired lithium bromide absorption water chiller (heater)

GB/T 18431 Steam and hot water type lithium bromide absorption water chiller

3 Terms and definitions

For the purpose of this standard, the terms and definitions in GB/T 18362 and GB/T 18431 shall apply.

3.1 Minimum allowable values of energy efficiency for lithium bromide absorption chillers

Under the regulated working conditions, as to steam unit, refer to the maximum allowable volume of steam consumed to make one unit of refrigerating capacity; as to direct fired unit, refer to the minimum allowable value of performance coefficient.

3.2 Evaluating values of energy conservation for lithium bromide absorption chillers

Under the regulated working conditions, as to steam unit, refer to the maximum volume of steam consumed to make one unit of refrigerating capacity that energy conservative unit

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