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Minimum Allowable Values of Energy Efficiency and Energy Efficiency Grades for Small-Size Submersible Motor-Pumps

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Table of Contents

Forward.....	3
1 Scope	4
2 Normative References.....	4
3. Terms and Definitions.....	4
4 Basic Requirements	5
5 Energy Efficiency Grades	5
6 Minimum Allowable Values of Energy Efficiency	7
7 Evaluating Values of Energy Conservation	7
8 Test Methods.....	7
9 Inspection Rules.....	7
10 Labels of Energy Efficiency Grades	8

Forward

The Chapter 6 in this Standard is mandatory, while the rest are recommended.

This standard was drafted as per the rules specified in GB/T 1.1-2009.

This standard was proposed by the Resource Conservation and Environmental Protection Division of the National Development and Reform Commission, as well as the Department of Energy Conservation and Resources Utilization of the Ministry of Industry and Information Technology.

This standard shall be under the jurisdiction of National Technical Committee for Standardization of Energy Fundamentals and Management (SAC/TC 20), and National Technical Committee on Agricultural Machinery of Standardization (SAC/TC 201).

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Minimum Allowable Values of Energy Efficiency and Energy Efficiency Grades for Small-Size Submersible Motor-Pumps

1 Scope

This Standard specifies the energy efficiency grades, minimum allowable values of energy efficiency, evaluating values of energy conservation, test methods, inspection rules, and labels of energy efficiency grades for the small-size submersible motor-pumps.

This Standard is applicable to the single or three-phase, and single or multi-stage small-size submersible motor-pumps (hereinafter referred to as “pump”) of which the power is less than or equal to 22kW.

2 Normative References

The following documents are essential to the application of this document. For the dated documents, only the versions with the dates indicated are applicable to this document; for the undated documents, only the latest version (including all the amendments) are applicable to this standard.

GB/T 2828.1 Sampling Procedures for Inspection by Attributes - Part 1: Sampling Schemes Indexed by Acceptance Quality Limit (AQL) for Lot-by-Lot Inspection

GB/T 2829 Sampling Procedures and Tables for Periodic Inspection by Attributes (Apply to Inspection of Process Stability)

GB/T 12785-2014 Test Methods for Submersible Motor-Pumps

GB/T 25409 Small-Size Submersible Motor-Pumps

3. Terms and Definitions

The following terms and definitions are applicable to this document.

3.1 Minimum allowable values of energy efficiency for small-size submersible motor-pumps

shall be marked as per the requirements of labels of energy efficiency.

10.2 The manufacturer shall at least indicate the rated energy efficiency grade and executive standard number of the pump in the product instructions; meanwhile, in accordance with the relevant provisions of labels of energy efficiency, the label of energy efficiency shall be pasted at an obvious position of the product.

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