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

SN/T 3720.1-2013

**Rules for the inspection of import pump. Part 1: Energy
efficiency of the water chillers(and beat pumps)
(English Translation)**

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Foreword

This section SN/T 3720 "inspection of the pump inlet," Part 1.

This section drafted in accordance with GB/T 1.1-2009 given rules.

Please note that some of the content of this document may involve patents. Release mechanism of the present document does not assume responsibility for the identification of these patents.

This section proposed and managed by the National Certification and Accreditation Administration Committee.

1 Scope

SN/T 3720 provisions of this part of the import of cold water (heat pump) energy efficiency requirements, test results and determination.

This section applies to imports of motor-driven compressor of the vapor compression cycle with cold water (heat pump) unit (hereinafter referred to as "units") products.

This section does not apply to other industrial purposes designed steam compression cycle in cold water (heat pump).

2 Normative references

The following documents for the application of this document is essential. For dated references, only the dated version suitable for use herein Member. For undated references, the latest edition (including any amendments) applies to this document.

GB/T 10870 displacement and centrifugal water (heat pump) performance test methods
GB/T 18430 (all parts) vapor compression cycle with cold water (heat pump) GB
19577-2004 chiller energy efficiency of limited value and energy efficiency rating GB
50189-2005 public building energy efficiency design standards Chiller energy efficiency
labeling rules (National Development and Reform Commission, the State Administration of

Quality Supervision, CNCA Announcement No. 8, 2008)

3 Terms and Definitions

The following terms and definitions apply to this document.

Cold water (heat pump) energy efficiency limit

the minimum allowable values of energy efficiency for water chillers Refrigeration unit at rated conditions and specified conditions, the coefficient of performance or nominal operating conditions Integrated Part Load factor minimum allowed value, Jane He said energy efficiency limit values.

Evaluating values of energy cold water (heat pump)

the evaluating values of energy conservation for water chillers Refrigeration unit at rated conditions and specified conditions, the coefficient of performance energy-efficient unit should reach the minimum.

Energy efficiency rating energy efficiency grades A hierarchical method referred to as the energy efficiency rating, the level of energy efficiency of products represents the difference, according to the size of the coefficient of performance determined, in turn divided into 1,2,3,4,5 five levels, level 1 is the highest energy efficiency.

Cold water (heat pump) unit rated energy efficiency grade

rated energy efficiency grades for water chillers Product by the manufacturer on the predetermined unit of energy efficiency rating.