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INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

JG 2-2007

Replacing JG/T 2-2007

Steel panel radiator

(English Translation)

Issued on: May 30, 2018 **Implemented on: December 1, 2018**

Issued by: Ministry of Housing and Urban-Rural Development of the People's Republic of China

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Foreword

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

This standard is a revision of JG 2-2007 "Steel Plate Radiator". The main technical changes compared with JG 2-2007 are as follows.

--- Removed the terminology and definition of the single board heatsink;

--- Added the terminology and definition of double-plate without convection fins;

--- Added classification;

--- Increased materials and structure;

---Modified heat dissipation;

---Modified work pressure;

---Modified the thread quality requirements;

--- Modified the method for determining the adhesion of the coating;

--- Modified the inspection item list;

--- Modified the inspection sampling plan;

--- Added instructions for use.

This standard was proposed by the Institute of Standardization of the Ministry of Housing and Urban-Rural Development.

This standard is under the jurisdiction of the Building Environment and Energy Conservation Standardization Technical Committee of the Ministry of Housing and Urban-Rural Development.

This standard was drafted. China Building Metal Structure Association, Harbin Institute of Technology, Rutger (China) Co., Ltd., Tianjin Martin Kanghua Stainless Steel Products Co., Ltd., Beixin Residential Industry Co., Ltd., Dalian Hengbao Industrial Co., Ltd., Ningbo Haihong Radiator Co., Ltd., Zhejiang Rongrong Industrial Co., Ltd., Beijing St. Lawrence

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Radiator Manufacturing Co., Ltd., Hebei Xianghe Heating and Cooling Equipment Co., Ltd., Wuhan Cool Brand Radiator Co., Ltd., Yingkou Panpan Radiator Manufacturing (Group) Co., Ltd., China Academy of Building Research Ltd., National Radiator Quality Supervision Inspection Center, Beijing Building Materials Inspection and Research Institute Co., Ltd.

1 Scope

This standard specifies the classification and marking, material and structure, requirements, test methods, and inspection of steel plate type radiators (hereinafter referred to as "heat sinks").

Inspection rules, signs, instructions for use and certification, packaging, transportation and storage.

This standard applies to industrial and civil building heating systems, with a temperature not higher than 95 ° C and water quality in accordance with GB/T 29044-2012

4.5 The hot water specified is the heat sink of the heat medium.

2 Normative references

The following documents are indispensable for the application of this document. For dated references, only dated versions apply to this article.

Pieces. For undated references, the latest edition (including all amendments) applies to this document.

GB/T 191 packaging storage and transportation icon GB/T 985.1 Recommended groove for gas welding, electrode arc welding, gas shielded welding and high energy beam welding GB/T 1732 paint film impact resistance test GB/T 2828.1. Sampling and sampling procedures - Part 1 . Batch-to-batch sampling plan searched by the acceptance quality limit (AQL) GB/T 4956 magnetic substrate non-magnetic covering layer thickness measurement magnetic method GB/T 5213 cold rolled low carbon steel plate and strip GB/T 7306.1 55° sealed pipe threads - Part 1. Cylindrical internal and conical external threads GB/T 9286 color and varnish paint film cross-cut test GB/T 9969 General guidelines for the use of industrial products GB/T 12467.3 Welding quality requirements for metallic materials - Part 3. General quality requirements GB/T 13237 high quality carbon structural steel cold rolled steel sheet and strip GB/T 13754 heating radiator heat dissipation method GB/T 19866 Welding procedure specification and general principles of assessment GB/T 29039 steel heating radiator HG/T.2006 thermosetting powder coating

3 Terms and definitions

The following terms and definitions as defined in GB/T 29039 apply to this document.

Single board with single convection heat sink single-panelradiatorwithsingleconvector There

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is a layer of waterway plate and a heat sink for the convection fins on one side.

Double plate without convection fin radiator double-panelradiatorwithoutconvectors There are two layers of waterway plates, and there is no heat sink for welding convection.

Double plate with single convection heatsink double-panelradiatorwithsingleconvector There are two layers of waterway plates and a radiator with a convection fin on one side.

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