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NATIONAL STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

GB/T 10067.415-2018

Basic specifications for electroheating installations - Part 415: Aluminum annealing furnace

电热装置基本技术条件 第415部分：铝材退火炉

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Foreword

GB/T 10067 "Basic Technical Conditions for Electric Heating Devices" currently has 27 parts.

--- Part 1. General part;

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--- Part 3. Induction heating device;

--- Part 31. Intermediate frequency centerless induction furnace;

--- Part 32. Voltage type frequency conversion multiple intermediate frequency centerless induction furnace;

---Part 33. Power frequency centerless induction melting copper furnace;

--- Part 34. Transistor type high frequency induction heating device;

--- Part 35. Intermediate frequency vacuum induction melting furnace;

--- Part 4. Indirect resistance furnace;

--- Part 41. Mesh belt type resistance heating unit;

--- Part 42. Push-type resistance heating unit;

--- Part 43. Forced convection well type resistance furnace;

1 Scope

GB/T 10067.415-2018 is the Chinese national standard on basic specifications for electroheating installations - part 415: aluminum annealing furnace, in the field of manufacturing engineering. The /T suffix marks it as a recommended standard: it is not compulsory by itself, but it becomes binding as soon as a contract, a tender or a customer specification calls it up - which in practice is how most foreign buyers meet it. It was issued on 28 December 2018 by the State Administration for Market Regulation; Standardization

Administration of China, and has been in force since 1 July 2019. Classification: ICS 25.180.10, CCS K61. This page is published from the official record of the standard held by the Chinese standards administration: the identification, the dates, the classification and the issuing body are taken from there. The clause text, the tables and the numeric limits are in the document itself, which is delivered complete in English translation.

This part of GB/T 10067 specifies the terms and definitions, product classification and technical requirements for aluminum annealing furnaces (hereinafter referred to as annealing furnaces). Requirements, test methods, inspection rules, marking, packaging, transportation and storage, and ordering and delivery. This section applies to industrial aluminum coils, plates, bars and wires with a rated temperature of 150 ° C ~ 600 ° C in air or protective atmosphere. Annealing furnace for profile processing.

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 10066.1-2004 Test methods for electric heating equipment - Part 1. General part

GB/T 10066.4-2004 Test methods for electric heating equipment - Part 4. Indirect resistance furnace

GB/T 10067.1-2005 Basic technical conditions for electric heating devices - Part 1. General part

GB/T 10067.4-2005 Basic technical requirements for electric heating devices - Part 4. Indirect resistance furnace

GB/T 12348-2008 Environmental noise emission standards for industrial enterprises

GB/T 15318-2010 Energy-saving monitoring of heat treatment electric furnace

JB/T 7629-1994 Specification for design and installation of refractory fibre linings

JB/T 9691-1999 Electric heating equipment product model preparation method

3 Terms and definitions

The following terms and definitions as defined in GB/T 10066.4-2004 apply to this document.

3.1 Workspace size dimensionoftheworkingarea The size of the furnace space specified in the design and specified on the drawing to allow the furnace to be placed.

3.2 Maximum load maximumloadingweight The annealing furnace is designed to specify the maximum net weight of the charge per furnace.

Note. It does not contain the weight of sleeve, tray, rack, and furnace.

3.3 Working temperature workingtemperature The normal operating temperature specified in the design of the annealing furnace.

3.4 Degreasing system de-oilingsystem A device for discharging volatiles generated by heating oil on the surface of the charge during heating.