

ICS 25.180.10

CCS K61



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

GB/T 10067.3-2015

Replacing GB/T 10067.3-2005

**Basic specifications for electroheat installations - Part 3:
Induction electroheat installation**

电热装置基本技术条件 第3部分：感应电热装置

Issued on: October 9, 2015

Implemented on: May 1, 2016

**Issued by: General Administration of Quality Supervision, Inspection and
Quarantine of the People's Republic of China;
Standardization Administration of China**

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Foreword

GB/T 10067 "Basic electric device technical conditions" existing 25 sections.

- Part 1. Common part;
- Part 2. Arc heating device;
- Part 21. Large AC arc furnace;
- Part 3. induction electric device;
- Part 31. IF coreless induction furnace;
- Part 32. voltage-frequency multi-station frequency coreless induction furnace complete sets of equipment;
- Part 33. frequency coreless induction melting Tonglu;
- Part 34. Transistor high frequency induction heating apparatus;
- Part 35. IF vacuum induction melting furnace;
- Part 4. Indirect resistance furnaces;
- Part 41. network with resistance heating unit;
- Part 42. Push resistance heating unit;
- Part 43. Forced convection Pit resistance furnace;

1 Scope

GB/T 10067.3-2015 is the Chinese national standard on basic specifications for electroheat installations - part 3: induction electroheat installation, 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 9 October 2015 by the General Administration of Quality Supervision, Inspection and Quarantine of the People's Republic of China; Standardization Administration of China, and has been in force since 1 May 2016. 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 section GB/T 10067 specifies the induction electric device product classification, technical requirements, test methods, inspection rules, marks, packages Equipment, transportation, storage, and ordering and delivery and so on. This section applies to vacuum and non-vacuum industrial labor frequency, intermediate frequency and high frequency induction electric apparatus, including for melting, holding and pouring with each Kinds of induction furnace and for diathermy, heat treatment, sintering, welding, induction heating device used.

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 2900.23-2008 Electrotechnical terminology industrial electric equipment

GB/T 3984.1-2004 Power capacitors for induction heating installations - Part 1. General Safety - Part 1

GB 5959.1 electric apparatus. General requirements Safety - Part 3

GB 5959.3 electric apparatus. Particular requirements for induction and conduction heating and induction melting apparatus means

GB/T 10066.1-2004 Test methods for electroheat installations - Part 1. General section Test methods

GB/T 10066.3-2014 electric installations - Part 3. determined induction furnaces and coreless induction furnace

GB/T 10067.1-2005 basic technical conditions for electric devices - Part 1. General section

JB/T 8669-1997 semiconductor frequency induction heating device

JB/T 9691-1999 Heating Equipment Model methodology

3 Terms and Definitions

GB/T 2900.23-2008 and GB/T 10066.3-2014 and as defined in the following terms and definitions apply to this document.

3.1 Induction Heating Equipment inductionelectroheatequipment Electric induction heating equipment, induction furnaces usually its furnace section.

3.2 Induction electric apparatus inductionelectroheatinstalation Complete sets of equipment by the induction electric equipment and its operation and use of the necessary electrical and mechanical auxiliary equipment thereof.

3.3 Induction furnace inductionfurnace By the induction furnace or electric furnace chamber device with its operation and use of the necessary electrical and mechanical auxiliary equipment consisting of, Smelting of the charge, holding and pouring of induction electric device, called induction melting furnaces, induction holding furnace and induction casting furnace.

3.4 The induction heating device inductionheatinginstalation For charge (eg, billets, profiles, artifacts, etc.) forging, rolling and extrusion, etc. diathermy, quenching, tempering, annealing and other heat thermoforming ago