ICS 19.020
CCS A21

NATIONAL STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

GB/T 14092.7-2009

Replacing GB/T 14092.7-1997

Environmental condition for machinery products - Dry heat

机械产品环境条件 干热

Issued on: May 6, 2009 **Implemented on: November 1, 2009**

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

Table of Contents

1 Scope 1
1 Environmental conditions 3
1 Applications Appendix A (informative) Environmental conditions Description 7

Foreword

GB/T 14092 "Machinery Products Environmental Conditions" includes the following seven sections.

--- GB/T 14092.1 machinery products humid environmental conditions

--- Cold GB/T 14092.2 machinery products environmental conditions

--- GB/T 14092.3 machinery products environmental conditions of high altitude

--- GB/T 14092.4 environmental conditions of marine machinery products

--- GB/T 14092.5 environmental conditions of industrial machinery products corrosion

--- GB/T 14092.6 mining machinery products environmental conditions

--- GB/T 14092.7 machinery products environmental conditions dry heat This section GB/T 14092 Part 7. This Part replaces GB/T 14092.7-1997 "machinery products Environmental conditions dry heat." This section compared with the GB/T 14092.7-1997, mainly to do with the following modifications.

--- According to GB/T 1.1-2000 "Standardization Guide Part 1. Structure and rules are written standard" requirements of the grid layout The formula has been modified;

--- "This standard" be replaced by "this section";

--- Table 2 in the ambient air movement in weather protected place second 3Za4 to 3Za5;

--- Table 7 footnote c of 22.5 °C to 22.5 °;

--- Stationary random vibration table, row 7, the "acceleration" a change "acceleration power spectral density";

--- FIG. 1, "the first shock of the maximum response spectrum" to "the impact of the first order maximum response spectrum." Appendix A of this section is informative appendix. This part of the National Electrical and Electronic Products Environmental conditions and environmental tests for Standardization Technical Committee (SAC/TC8) and focal points. This section is drafted. Guangzhou Electric Apparatus Research Institute. The main drafters of this section. Liukui Fang, Yang. This part of the standard replaces the previous editions

as. GB/T 14092.7-1997. Machinery products Environmental conditions dry heat

1 Scope

GB/T 14092.7-2009 is the Chinese national standard on environmental condition for machinery products - dry heat, in the field of testing. 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 6 May 2009 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 November 2009. Classification: ICS 19.020, CCS A21. 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 provides mechanical products in the dry and hot area environmental parameters and their severities. This section applies to the dry and hot climate zones for general purposes GB/T 4797.1 predetermined mechanical products, including farm machinery, internal combustion engines, engineering machines Machinery, mining machinery, heavy machinery, material handling equipment, petrochemical general machinery, electrical products, instruments, machine tools and general parts.

2 Normative references

The following documents contain provisions which, through reference

GB/T 14092 in this section constitute provisions of this section. For dated reference documents Member, all subsequent amendments (not including errata content) or revisions do not apply to this section, however, encouraged to reach under this section Parties to research agreement to use the latest versions of these documents. For undated reference documents, the latest versions apply to this section.

GB/T 4797.1-2005 electric and electronic products natural environmental conditions of temperature and humidity (IEC 60721-2-1.2002, MOD)

GB/T 4798.2-2008 electric and electronic products natural conditions Transport (IEC 60721-3-2.1997, MOD)

3 Environmental Conditions

Each of environmental conditions by a wide range of environmental parameters. Such as climatic conditions by the environmental parameters temperature, relative humidity and other components. And each ring Due to the different environmental parameters of the

actual situation, it can be divided into a number of severity, such as high temperature into 45 °C, 50 °C, 55 °C and so on several levels. Environmental conditions are divided into eight kinds. aeolian geomorphology, groundwater, climatic conditions, the special climatic conditions, biological conditions, chemically active material conditions, machine Mechanical active material conditions and mechanical conditions.

3.1 Environmental Code Environmental conditions characteristic represented by the environment code. Environmental Code are generally composed by the site of use, environmental conditions, type, severity of three parts. Code with numbers and alphabet representation. The first use of a numerical places. 3

--- weatherprotected stationary use; 4

--- no fixed workplace climate protection use. The second English letters certain environmental conditions. D

--- aeolian geomorphology conditions; W

--- groundwater conditions; K

--- climatic conditions; Z

--- special climatic conditions (Zh

--- thermal radiation; Za

--- ambient air movement; Zw

--- other water sources other than rain); B

--- Bio Conditions; C

--- chemically active material conditions; S

--- Mechanical active material conditions; M