

ICS 91.140.30

CCS J72



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

GB/T 13933-2008

Replacing GB/T 13933-1992

Miniature cross-flow fan

小型贯流式通风机

Issued on: November 12, 2008

Implemented on: May 1, 2009

**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

The Revised Standard GB/T 13933-1992 "Small cross flow fan," compared with the GB/T 13933-1992 main changes are as follows:

- Adjust the scope;
- Increasing the definition of small-scale cross flow fan;
- Adjust the basic parameters of the fan;
- The Model methodology as informative appendices;
- Remove the fan power supply type and rated voltage requirements;
- Information about the requirements for wind turbine manufacturing;
- Increased the fan bearing parts vibration speed requirements;
- Adjust the fan working conditions requirements;
- Adjust the technical requirements for wind, air pressure requirements;
- The assessment criteria Fan Noise from A to sound level than A sound level;
- Streamlining of the fan with a small power motors assessment content;
- Increasing the fan impeller overspeed test requirements;
- Adjust some content inspection rules. Since the implementation of this standard replaces GB/T 13933-1992. Appendix A of this standard is the data appendix. The standard proposed by China Machinery Industry Federation. This standard by the national refrigeration and air conditioning equipment Standardization Technical Committee (SAC/TC238) centralized. This standard was drafted. Hefei General Machinery Research Institute, Hefei General Environmental Control Technology Co., Ltd. The main drafters of this standard. Tianqi Yong, Chen Qiming, Zhuxiao Nong. This standard by the National Standardization Technical Committee refrigeration and air conditioning equipment

responsible for the interpretation. This standard replaces the standards previously issued as follows:

1 Scope

GB/T 13933-2008 is the Chinese national standard on miniature cross-flow fan, in the field of construction materials and building. 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 12 November 2008 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 2009. Classification: ICS 91.140.30, CCS J72. 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 standard specifies the small cross flow fan (hereinafter referred to as "fan") terms and definitions, types and basic parameters, requirements, test side Method, inspection rules, marking, packaging and storage. This standard applies to impeller diameter of not more than 300mm of small cross flow fan.

2 Normative references

The following standards contain provisions which, through reference in this text, constitute provisions of this standard. For cited documents with dates, with its After all the amendments (excluding corrigenda) or revisions do not apply to this standard, however, encourage the parties to the agreement are based on research Study whether the latest versions of these documents. For undated reference documents, the latest versions apply to this standard.

GB/T 191 Packaging - Pictorial signs

GB/T 1236-2000 Industrial fans using standardized airways performance test

GB/T 2888 fan and blower noise measurement method

GB/T 5171 General technical requirements for small power motors GB/T 13306 signs

JB/T 6445-2005 Industrial Fan impeller speed test

JB/T 8689 Fan Vibration Detection and Limits

JB/T 9062-1999 heating, ventilation and air conditioning equipment painting technical conditions

JB/T 9065 heating and ventilation equipment packaging technology

JB/T 9101 fan rotor balance

3 Terms and Definitions

The following terms and definitions apply to this standard.

3.1 Airflow along the leafy impeller radial direction from one side of the impeller into the impeller through the impeller, the outflow from the other side of the impeller, and the impeller diameter Not more than 300mm ventilator.

4.1 Structure type

- a) the fan is shown in Figure 1.
- b) connection of the motor of the impeller is shown in Figure 2.
- c) the type of impeller is shown in Figure 3. To increase the stiffness of the impeller, the impeller can be reinforced according to the length of its middle, the impeller can be One, two section as well as multi-section.