

JB

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

JB/T 7565.5-2004

Replacing JB/T 6202-1992

**Specification of flameproof three-phase induction motors - Part
5: YBF2 series flameproof three-phase induction motors for
fans (frame size 63 to 355)**

隔爆型三相异步电动机技术条件 第5部分：YBF2系列风机用隔爆型三相异步电动机 (机座号63~355)

(English Translation)

Issued on: October 20, 2004

Implemented on: April 1, 2005

**Issued by: Ministry of Industry and Information Technology of the
People's Republic of China**

Table of Contents

Foreword II
1 Scope
2 Normative References
3 Types, Basic Parameters and Dimensions
4 Technical Requirements
5 Test Methods and Inspection Rules
6 Marking and Packaging

1 Scope

This part specifies the requirements for the types, basic parameters and dimensions, technical requirements, test methods and inspection rules, and marking and packaging of series YBF2 flameproof three phases asynchronous motor for fan.

This part is applicable to the flameproof three phases asynchronous motors (frame size 63 to 355) for fans in underground coal mines and factories (hereinafter referred to as "motor"), while all motors of various series derived from this series may also be made reference to this part.

2 Normative References

The following standards contain provisions which, through reference in this part of JB/T 7565, constitute provisions of this part. For dated reference, subsequent amendments to (excluding corrections to), or revisions of, any of these publications do not apply. However, all parties coming to an agreement according to this part are encouraged to study whether the latest editions of these documents are applicable. For undated references, the latest edition of the normative document referred to applies.

GB/T 191 Packaging - Pictorial Marking for Handling of Goods (GB/T 191-2000, eqv ISO 780: 1997)

GB 755 Rotating Electrical Machines-Rating and Performance (GB 755-2000, idt IEC 60034-1: 1996)

GB/T 1032 Test Procedure for Three-phase Induction Motors

GB/T 2423.4 Basic Environmental Testing Procedures for Electric and Electronic Products - Test Db: Damp Heat, Cyclic (GB/T 2423.4-1993, eqv IEC 60068-2-30: 1980)

GB 3836.1 Electrical Apparatus for Explosive Gas Atmospheres-Part 1:General Requirements (GB 3836.1-2000, eqv IEC 60079-0: 1998)

GB 3836.2 Electrical Apparatus for Explosive Gas Atmospheres-Part 2: Flameproof Enclosure d (GB 3836.2-2000, eqv IEC 60079-1: 1990)

GB/T 4772.1 Dimensions and Output Series for Rotating Electrical Machines - Part 1: Frame Numbers 56 to 400 and Flange Numbers 55 to 1080 (GB/T 4772.1-1999, idt IEC 60072-1: 1991)

GB/T 4942.1 Classification of Degrees of Protection Provided by Enclosures of Rotating Electrical Machines(IP Code) (GB/T 4942.1-2001, idt IEC 60034-5: 1991)

GB 10068 Mechanical Vibration of Certain Machines with Shaft Heights 56 mm and Higher - Measurement Evaluation and Limits of Vibration Severity (GB 10068-2000, idt IEC 60034-14: 1996)

GB/T 10069.1 Measurement of Airborne Noise Emitted by Rotating Electrical Machinery and the Noise Limits - Engineering Method for the Measurement of Airborne Noise(GB/T 10069.1-1988, neq ISO 1680-1: 1986)

GB/T 12665 Requirements of Damp-heat Testing of Electrical Machine for Service in General Environmental Condition

JB/T 9615.1 Test Methods of the Interturn Insulation on Random Wound Winding for AC Low-voltage Machines

3.1

The motors shall be made into flameproof type according to the requirements of GB 3836.2, and the explosion-proof marks are Exd I, Exd II AT4 and Exd II BT4.

3.2

The enclosure protection degree of motors is IP55.