



IECEx Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification Scheme for Explosive Atmospheres

for rules and details of the IECEx Scheme visit www.iecex.com

Certificate No.: issue No.: Certificate history:

Status:

Date of Issue: **2012-11-08** Page 1 of 3

Applicant: **Tianjin Sida Electric Motor Co., Ltd.**
No. 5 Xinghua Road, Xiqing Economic Development Zone, Tianjin City, China
Postal code: 300 385
China

Electrical Apparatus: **Single phase asynchronous explosion-proof motor Model YBB3271EI and YBB3371EI**
Optional accessory:

Type of Protection: **Flameproof enclosures "d"**

Marking: **Ex d IIB T4 Gb**
Ta: -20°C ~ +50°C

Approved for issue on behalf of the IECEx Certification Body: Zhang Wei

Position: General Manager

Signature:
(for printed version) _____

Date: _____

1. This certificate and schedule may only be reproduced in full.
2. This certificate is not transferable and remains the property of the issuing body.
3. The Status and authenticity of this certificate may be verified by visiting the [Official IECEx Website](http://www.iecex.com).

Certificate issued by:

China Quality Mark Certification Group Co., Ltd.
No. 33 Zengguang Road, Haidian District,
Beijing City, Postal code: 100037
China





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Certificate No.: IECEx CQM 12.0044

Date of Issue: **2012-11-08**

Issue No.: **0**

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Manufacturer: **Tianjin Sida Electric Motor Co., Ltd.**
No. 5 Xinghua Road, Xiqing Economic Development Zone, Tianjin City, China
Postal code: 300 385
China

Manufacturing location(s):

This certificate is issued as verification that a sample(s), representative of production, was assessed and tested and found to comply with the IEC Standard list below and that the manufacturer's quality system, relating to the Ex products covered by this certificate, was assessed and found to comply with the IECEx Quality system requirements. This certificate is granted subject to the conditions as set out in IECEx Scheme Rules, IECEx 02 and Operational Documents as amended.

STANDARDS:

The electrical apparatus and any acceptable variations to it specified in the schedule of this certificate and the identified documents, was found to comply with the following standards:

IEC 60079-0 : 2007-10 Explosive atmospheres - Part 0: Equipment - General requirements
Edition: 5

IEC 60079-1 : 2007-04 Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
Edition: 6

*This Certificate **does not** indicate compliance with electrical safety and performance requirements other than those expressly included in the Standards listed above.*

TEST & ASSESSMENT REPORTS:

A sample(s) of the equipment listed has successfully met the examination and test requirements as recorded in

Test Report:
[CN/CQM/ExTR12.0051/00](#)

Quality Assessment Report:
[CN/CQM/QAR07.0001/03](#)



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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

Description of equipment

YBB3271EI and YBB3371EI single phase asynchronous explosion-proof motor is of type "d". The enclosure comprises a housing, a front endshield, a middle endshield and a rear endshield. The endshield is made of casting aluminium alloy and a housing made of steel. A stator, a rotor and a shaft are installed in it. A fan and a fan hood are fixed outside the rear endshield. A cable gland with a sealing ring is provided.

The cooling method is IC411. The motor adopts continual running duty (S1). The insulating class is F.

Rating

Voltage: AC220~240V, 50Hz

YBB3271EI: 550W, 3.4A ;

YBB3371EI: 750W, 5.0A.

CONDITIONS OF CERTIFICATION: NO