

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.: IECEx CQM 15.0056X Issue No: 0 Certificate history:
Status: Current Page 1 of 3 Issue No. 0 (2016-05-06)
Date of Issue: 2016-05-06
Applicant: Zhengzhou Hangyu Ex Motor Co., Ltd
Shagu Industrial Park, Xin'anxi Road, Shangjie District, Zhengzhou City,
Henan Province
China
Electrical Apparatus: Flameproof three-phase induction motor YB3-80~180
Optional accessory:
Type of Protection: Flameproof enclosure "d"
Marking: Ex d IIBT4 Gb IP55
Tamb: -20°C to +55°C

Approved for issue on behalf of the IECEx
Certification Body:

Ji Xiaodong

Position:

General Manager

Signature:
(for printed version)

Date:

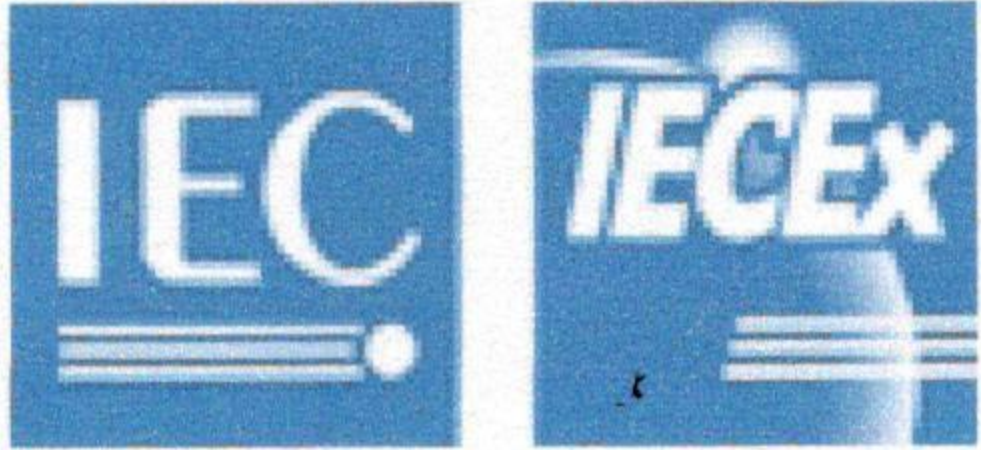
2016-05-06

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: 100048
China





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Manufacturer: **Zhengzhou Hangyu Ex Motor Co., Ltd**
Shagu Industrial Park, Xin'anxi Road, Shangjie District, Zhengzhou City, Henan Province
China

Additional 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 : 2011 Explosive atmospheres - Part 0: General requirements
Edition:6.0

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:

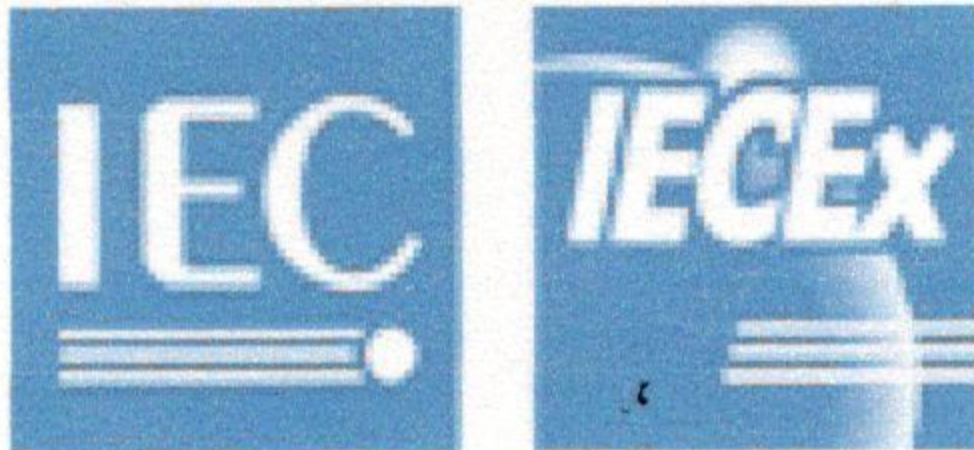
CN/CQM/ExTR15.0079/00

CN/CQM/ExTR15.0080/00

CN/CQM/ExTR15.0081/00

Quality Assessment Report:

CN/CQM/QAR16.0003/00



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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

Description of equipment

Series YB3 flameproof three-phase induction motor (hereafter called motor) are intended for use in potentially explosive atmospheres, they can adopt foot mounting, flange mounting & foot/flange mounting.
The duty is S1. The motors are adopted with total enclosed structure and insulation class F. The code of cooling is IC411.
Motor is composed of main body, main terminal box. There are terminal bushings between main body and terminal box. The material of bushing is DMC. There is one cable gland with rubber sealing ring which form an integral part of the completed motor. The frame, the end shield, the terminal box base, terminal box cover, the internal and outer bearing cover are made from HT250. The motor adopt the self-driven external cooling fan, the material of the outer fan is antistatic polypropylene plastic, the fan shield is also made from Q235-A steel plate.

Rating

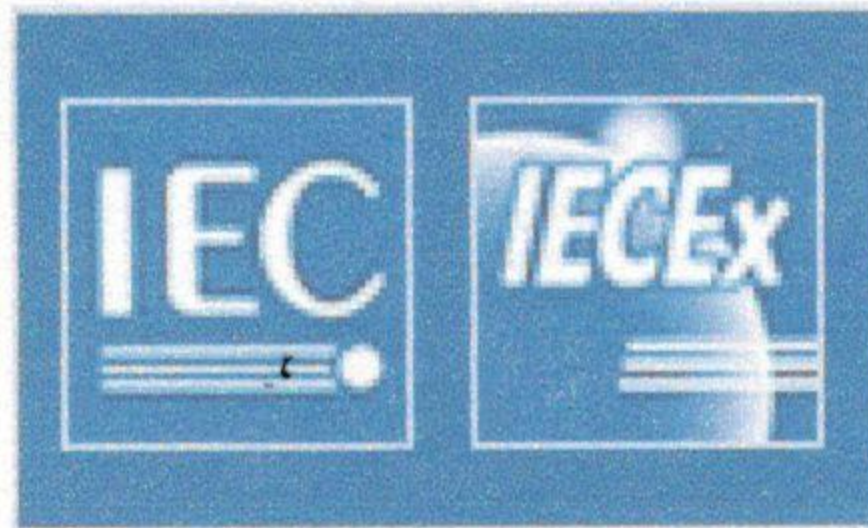
See as in the attachment

CONDITIONS OF CERTIFICATION: YES as shown below:

- a. Repairs of the flameproof joints must contact the manufacturer for the detailed flameproof data and repairs should be made in compliance with the data provided by the manufacturer.
- b. The property class of the fastener elements of each part of the flame proof casing must be at least equal to grade 8.8.

Annex:

[Attachment to IECEx CoC 15.0056X.pdf](#)



Attachment to Certificate

IECEX CQM 15.0056X



Applicant: Zhengzhou Hangyu Ex Motor Co., Ltd.

Electrical equipment: Flameproof three-phase induction motor
YB3-80~180

Description of equipment:

Rated voltage:

220/380V, 230/400V, 240/415V, 380/660V, 400/690V, 415/720V, 440/760V, 460/790V, 220V, 380V, 415V, 440V, 460V, 480V, 525V, 660V 50&60Hz

Frame size	The number of poles			
	2	4	6	8
	Power (kW)			
YB3-80M1	0.75	0.55	0.37	0.18
YB3-80M2	1.1	0.75	0.55	0.25
YB3-90S	1.5	1.1	0.75	0.37
YB3-90L	2.2	1.5	1.1	0.55
YB3-100L	3		1.5	
YB3-100L1		2.2		0.75
YB3-100L2		3		1.1
YB3-112M	4	4	2.2	1.5
YB3-132S		5.5	3	2.2
YB3-132S1	5.5			
YB3-132S2	7.5			
YB3-132M		7.5		3
YB3-132M1			4	
YB3-132M2			5.5	
YB3-160M		11	7.5	
YB3-160M1	11			4
YB3-160M2	15			5.5
YB3-160L	18.5	15	11	7.5
YB3-180M	22	18.5		11
YB3-180L		22	15	