

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 16.0039X Issue No: 0 Certificate history:
Issue No. 0 (2017-01-18)
Status: Current Page 1 of 3
Date of Issue: 2017-01-18
Applicant: HIGEN MOTOR Co., Ltd.
33, Gongdan-ro 473beon-gil, Seongsan-gu, Changwon-si, Gyeongnam
Korea, Republic of
Equipment: Dust ignition protection motors Type TB3B 315M and TB3C 315M
Optional accessory:
Type of Protection: Ex "t"
Marking: Ex tb IIIB or IIIC T125°C/135°C Db IP65/IP66

Approved for issue on behalf of the IECEX
Certification Body:

Ji Xiaodong

Position:

General Manager

Signature:
(for printed version)

Date:

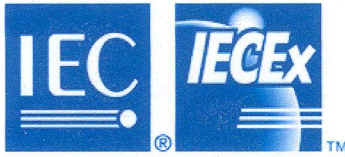
2017. 01. 18

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: HIGEN MOTOR Co., Ltd.
33, Gongdan-ro 473beon-gil, Seongsan-gu, Changwon-si, Gyeongnam
Korea, Republic of

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 60079-31 : 2013 Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure "t"
Edition:2

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:

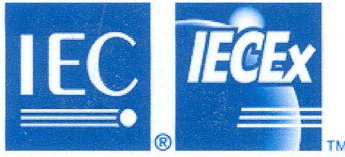
A sample(s) of the equipment listed has successfully met the examination and test requirements as recorded in

Test Report:

[CN/CQM/ExTR16.0042/00](#)

Quality Assessment Report:

[CN/CQM/QAR16.0008/00](#)



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Certificate No: IECEx CQM 16.0039X

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Date of Issue: 2017-01-18

Page 3 of 3

Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

1. This certificate can include:
TB3B 315 S/M (for IIIB) and TB3C 315 S/M (for IIIC)
Pole: 2 to 8,
Rated power: 60kW to 200kW; Rated Voltage: 200V to 690V, Frequency: 50Hz or 60Hz or variable frequency (with inverter) from 6-60Hz

2. Structure

Three-phase asynchronous motors series supplied by mains or by inverter. The motors are made of grey cast iron or steel and terminal box made of cast iron and steel with separate compartment. The rotor is supported by bearings at both ends.. Terminal box is connected to the frame by bolts. The cover is removable structure and connected to box by bolts

CONDITIONS OF CERTIFICATION: YES as shown below:

1. Tamb: -20 °C ~ +50°C
2. Cable gland is required to choose IECEx certified gland.