



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.:

Status:

Date of Issue: Page 1 of 3

Applicant: **HIGEN Motor Co.,Ltd**
#74-5, Seongsan-dong, Changwon-si, Gyeongsangnam-do
Korea, Republic of

Electrical Apparatus: **Three-Phase Induction Motor**
Optional accessory:

Type of Protection: **Flameproof**

Marking: **IECEX KGS 08.0005**
Ex d IIB T4, IP55
Tamb = -20°C to +50°C
110kW, 4P, 380/415V, 50Hz

Approved for issue on behalf of the IECEx Certification Body: **Hae Duk. Jung**

Position: **General Manager**

Signature:
(for printed version)

Date: 2008. 8. 28

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:
Korea Gas Safety Corporation
332-1 Daeya Dong,
Shihung-Shi,
Gyeonggi-Do
KOREA 429-712
Korea, Republic of





IECEX Certificate of Conformity

Certificate No.: IECEx KGS 08.0005

Date of Issue: 2008-08-28

Issue No.: 0

Page 2 of 3

Manufacturer: **HIGEN Motor Co.,Ltd**
#74-5, Seongsan-dong, Changwon-si, Gyeongsangnam-do
Korea, Republic of

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 : 2000 Electrical apparatus for explosive gas atmospheres - Part 0: General requirements
Edition: 3.1

IEC 60079-1 : 2003 Electrical apparatus for explosive gas atmospheres - Part 1: Flameproof enclosure 'd'
Edition: 5

*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:

[KR/KGS/ExTR08.0005/00](#)

Quality Assessment Report:

[KR/KGS/QAR08.0002/00](#)



IECEx Certificate of Conformity

Certificate No.: IECEx KGS 08.0005

Date of Issue: 2008-08-28

Issue No.: 0

Page 3 of 3

Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

Model explanation

EX ① H ② ③ ④ -280

EX: Three phase induction motor with squirrel cage, totally enclosed fan cooled.

Protection mode "Ex d"

①: Output(Horse power)

H: Horsepower unit

②: Voltage & Frequency (Q-50Hz 380V, E-50Hz 415V)

③: Pole(1-4Pole)

④: Suffix(Initial letter of client's name and others)

280 : Frame No

CONDITIONS OF CERTIFICATION: NO