



# 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](http://www.iecex.com)

Certificate No.: **IECEx CQM 11.0021X** issue No.: **0** Certificate history:

Status: **Current**

Date of Issue: **2011-10-11** Page 1 of 3

Applicant: **Warom Technology Incorporated Company**  
No. 555, Baoqian Road, Jiading District, Shanghai City  
Postal code: 201 808  
China

Electrical Apparatus: **Explosion-proof window air conditioner Type BKC...**  
Optional accessory:

Type of Protection: **Flameproof enclosures "d", Type of protection "n"**

Marking: **Ex d nC IIB T4 Gc**  
**Tamb: -7°C~+55°C**

Approved for issue on behalf of the IECEx  
Certification Body:

Zhang Wei

Position:

President

Signature:  
(for printed version)

Date:

2011-10-11

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.

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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Manufacturer: **Warom Technology Incorporated Company**  
No. 555, Baoqian Road, Jiading District, Shanghai City  
Postal code: 201 808  
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  
**IEC 60079-15 : 2010** Explosive atmospheres - Part 15: Equipment protection by type of protection "n"  
Edition: 4

*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/ExTR11.0027/00

Quality Assessment Report:

CN/CQM/QAR07.0003/02



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## Schedule

### EQUIPMENT:

*Equipment and systems covered by this certificate are as follows:*

#### Description of equipment

This certificate covers explosion-proof window air conditioner Type BKC-50/220 and BKC-70/220. The explosion-proof window air conditioner is of combined types of "d" and "nC". It comprises of an enclosure, an control station (type Ex "d"), an fan motor (type Ex "d") and a compressor with refrigerating pipes (type Ex "nC"), a heat exchanger and ventilation fan. All of these components are installed inside the enclosure of explosion-proof window air conditioner, which is made of PC. The general power supply is connected on site through a suitably certified junction box.

#### Rating

For BKC-50/220: rated power supply: AC220~240V,50~60Hz, 2750W; refrigerating capacity: 18000BTU

For BKC-70/220: rated power supply: AC220~240V,50~60Hz, 3770W; refrigerating capacity: 24000BTU

### CONDITIONS OF CERTIFICATION: YES as shown below:

Fasteners used for fastening the explosion-proof control station and the explosion proof fan motor are M8 and M6 bolts. The yield stress of the screws is not less than 450MPa.