



# 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 14.0001X issue No.:0 Certificate history:

Status: Current

Date of Issue: 2014-01-15 Page 1 of 3

Applicant: **Warom Technology Incorporated Company**  
No.555, Baoqian Road, Jiading District, Shanghai, 201808,  
P.R.China  
China

Electrical Apparatus: Explosion-proof wall air conditioner Model BKF(R)-□/□  
Optional accessory:

Type of Protection: Ex d, e, i, m, p, t, iD, pD

Marking: Ex d e ib mb px IIC T4 Gb  
Ex ibD tb pD IIIC T130°C Db IP66  
Tamb: -7°C~+55°C

Approved for issue on behalf of the IECEx  
Certification Body:

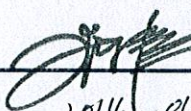
Zhang Wei

Position:

President

Signature:  
(for printed version)

Date:

  
2014-01-15

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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Manufacturer: **Warom Technology Incorporated Company**  
No.555, Baoqian Road, Jiading District, Shanghai, 201808,  
P.R.China  
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:

<b>IEC 60079-0 : 2011</b> Edition: 6.0	Explosive atmospheres - Part 0: General requirements
<b>IEC 60079-1 : 2007-04</b> Edition: 6	Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
<b>IEC 60079-11 : 2008</b> Edition: 5	Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"
<b>IEC 60079-18 : 2009</b> Edition: 3	Explosive atmospheres Part 18: Equipment protection by encapsulation "m"
<b>IEC 60079-2 : 2007-02</b> Edition: 5	Explosive Atmospheres - Part 2 Equipment protection by pressurized enclosure "p"
<b>IEC 60079-31 : 2008</b> Edition: 1	Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure 't'
<b>IEC 60079-7 : 2006-07</b> Edition: 4	Explosive atmospheres - Part 7: Equipment protection by increased safety "e"
<b>IEC 61241-11 : 2005</b> Edition: 1	Electrical apparatus for use in the presence of combustible dusts - Part 11: Protection by intrinsic safety 'ID'
<b>IEC 61241-4 : 2001</b> Edition: 1	Electrical apparatus for use in the presence of combustible dust - Part 4: Type of protection 'pD'

*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/ExTR14.0001/00**

Quality Assessment Report:  
**CN/CQM/QAR07.0003/04**



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Certificate No.: IECEx QCM 14.0001X

Date of Issue: 2014-01-15

Issue No.: 0

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## Schedule

### EQUIPMENT:

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

#### Description of equipment

BKF(R)-□/□ series explosion-proof wall air conditioner is of heating and cooling split structure. It consists of an outdoor unit and an indoor unit.

The technical data of the wall air conditioner and its main subassemblies are as in attachment.

#### Rating

Rated voltage: 220VAC~240VAC

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

1. For BZC control box, BXK control box, BDJ-W outdoor fan motor and BDJ-N indoor fan motor, repair of the flameproof joints must be made in compliance with the structural specifications provided by the manufacturer. Repairs must not be made on the basis of values specified in tables 2 and 3 of IEC 60079-1.
2. For BZC control box, BXK control box, BDJ-W outdoor fan motor and BDJ-N indoor fan motor, do not open when energized.
3. To reduce the risk of ignition due to electrostatic discharge, avoid contact with the air conditioner while an explosive atmosphere is present. Clean only with a damp cloth.



# Attachment to Certificate

IECEX CQM 14.0001X



**Applicant:** Warom Technology Incorporated Company

**Electrical equipment:** Explosion-proof wall air conditioner Model BKF(R)-□/□

## Description of equipment:

Technical data of explosion-proof wall air conditioner and main subassemblies

Certifying products: BKF(R)-□/□series explosion-proof wall air conditioners

Continuing product: BKF(R) □

Products: BYS-□/□ explosion-proof compressor for air conditioner

Model	BYS -50/220		BYS -71/220	
Rated voltage	220 V~240 V AC 50/60Hz		220 V~240 V AC 50/60Hz	
Rated current	refrigerating	Heating	refrigerating	Heating
	≤6.1 A	≤7.3A	≤9.23A	≤11A
Rated input power	refrigerating	Heating	refrigerating	Heating
	≤1342W	≤1600W	≤2030W	≤2430W
Refrigerating volume	18000 BTU(5000W)		24000 BTU（7260W）	
Heating volume	5700W		8100W	
Ex-mark	Ex px IIC T4 Gb		Ex pD IIIC T130℃ Db IP66	

**China Quality Mark Certification Group Co., Ltd. (CQM)**

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No. 33 Zengguang Road., Haidian District, Beijing City, China

Postal code: 100037 Http:// www.cqm.com.cn

Tel: +86 10 88411888 +86 10 88414325



# Attachment to Certificate

IECEx CQM 14.0001X



Products: BZC explosion-proof control box

Model	BZC	
Rated voltage	220 V~240 V AC	50/60Hz
Rated current	≤ 30A	
Ex-mark	Ex d [ib] IIC T4 Gb	Ex tb IIIC T130℃ Db IP66

Products: BDJ-W explosion-proof outdoor fan motor

Model	BDJ-W	
Rated voltage	220 V~240 V AC	50/60Hz
Rated current	BKF(R)-50/220	BKF(R)-71/220
	0.58A	0.8A
Rated power	BKF(R)-50/220	BKF(R)-71/220
	60W	90W
Ex-mark	Ex d IIC T4 Gb	Ex tb IIIC T130℃ Db IP66

Product: BDJ-N explosion-proof indoor fan motor

Model	BDJ-N	
Rated voltage	220 V~240 V AC	50/60Hz
Rated current	BKF(R)-50/220	BKF(R)-71/220
	0.15 A	0.31 A
Rated power	BKF(R)-50/220	BKF(R)-71/220
	20W	28W
Ex-mark	Ex d IIC T4 Gb	Ex tb IIIC T130℃ Db IP66

Product: BXK explosion-proof control box

Model	BXK	
Rated voltage	220 V~240 V AC	50/60Hz
Rated current	≤ 30A	
Ex-mark	Ex d e ib IIC T4 Gb	Ex tb IIIC T130℃ Db IP66