



BROAD INTERNATIONAL CERTIFICATION
OF NON-ELECTRIC CHILLER

远大非电空调国际认证

2011.09 版



INTERNATIONAL CERTIFICATION IS THE BOTTOM LINE TO PRODUCT QUALITY

Never dare you imagine what the world would be like if there were no laws at all. The same is true of the industry. What would industrial products be like if there were no technical standards or product certificates issued per those standards?

For some Chinese people, westerners live safely with high GDP, which results from their early development, advanced technologies and education popularization, yet there is one key point often missing – westerners value standards, especially safety standards.

BROAD began to apply for international certification in 1997. After that, many experts from Europe and the U.S. have been invited to BROAD Town every year to conduct certification, to help us improve the management, technology and quality, especially personal safety. Testing, checking, verifying with meticulous care ensure that BROAD products have been complying with European and American safety standards.

Industrial products may not be able to run, or they might have become a helter-skelter heap of iron junk or have electrocuted people or be exploded if those rigid standards and procedures of certification had not been implemented every straight year.

(Note: Only some certificates are collected here due to space limitation)

国际认证 是产品质量的底线

不敢想象，一个没有法律的世界，将是什么样子。同样，在工业界，如果没有技术标准和依据这些标准进行的产品认证，工业产品将是什么样子？

中国人看西方世界，GDP很高，人们生活得很安全，总以为是因为他们发展得早、科技水平高、教育普及，却往往忽略了一个至关重要的原因——西方人重视标准，尤其是安全标准。

远大1997年开始做国际认证，此后每年都把美国专家、欧洲专家一批批请来远大城，指导我们完善管理和技术、质量，尤其是涉及人身安全方面的质量，进行丝丝入扣的测试、检验、审查，使得远大产品始终符合欧洲、美国质量标准和安全标准。

没有这些严苛的标准并且年复一年持续的国际认证，工业产品可能无法运转，可能是一堆废铁，可能令人触电，甚至可能发生爆炸。

(注：限于篇幅，本辑只收录了部分国际认证)

Certificate

Standard **ISO 9001:2008**

Certificate Registr. No. 01 100 79240

TÜV Rheinland Cert GmbH certifies:

Broad Group Co., Ltd.
Broad Town, Changsha City,
Hunan Province 410138, P. R. China

including the locations according to annex

Scope: Design, Manufacturing, Sales and Service of Non-electrical Air Conditioning Systems and Pumpset Systems;
Design, Manufacturing and Sales of Air Conditioning Indoor Units, Air Handlers, Fresh Air Units and Heat Meters;
Design, Sales and Manufacturing Management of Air Purifiers

An audit was performed, Report No. 79240. Proof has been furnished that the requirements according to ISO 9001:2008 are fulfilled.
The due date for all future audits is 27-03 (dd.mm).

Validity: The certificate is valid from 2011-05-16 until 2012-03-31.
First certification 1997

2011-05-16

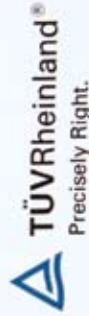


TÜV Rheinland Cert GmbH
Am Grauen Stern · 51105 Köln



DGA-ZM-58-95-00

www.tuv.com



Precisely Right.

证书名称: ISO9001质量管理体系认证
认证对象: 远大质量管理体系
认证机构: 德国莱茵TUV

SGS

Certificate CN06/00089EM

The management system of

Broad Air Conditioning Co., Ltd.

Broad Town,
Changsha City, Hunan Province 410138, P.R. China



has been assessed and certified as meeting the requirements of

ISO 14001:2004

For the following activities

Design, Manufacture and Sales of Non-electrical Air Conditioning System, Vacuum Heating Boiler and Indoor Unit for Air Conditioning; Design, Sales and Manufacture Management of Air Purifier

This certificate is valid from 18 September 2009 until 17 September 2012 and remains valid subject to satisfactory surveillance audits.
Re certification audit due before 11 August 2012
Issue 2. Certified with SGS since February 2000

Authorised by



SGS United Kingdom Ltd. Systems & Services Certification
Riverside Business Park, Elmwood Park, Chesham, CH5 3 EN UK
t +44 (0)151 350-6666 f +44 (0)151 350-6690 www.sgs.com

SGS EMG 04 0195

Page 1 of 1



www.sgs.com

证书名称: ISO14001环境管理体系认证
认证对象: 远大环境管理体系
认证机构: 瑞士SGS



Competent Body
TÜV Rheinland
 Product Safety GmbH

Am Grauen Stein
 D-51105 Köln

accredited by the
**Bundesnetzagentur für Elektrizität, Gas,
 Telekommunikation, Post und Eisenbahnen**
 herewith grants a

Certificate of a Competent Body

within the meaning of Paragr. 4 (2) EMC Act respectively Art. 10 (2) of the
 EMC Council Directive on compliance with the EMC protection requirements

Certificate Holder:

Broad Air Conditioning Co., Ltd.
 Broad Town
 Changsha, Hunan 410138
 P.R. China

Product:

Klimagerät
 (Broad IX Absorption Chiller/Heater)

Identification:

BZ IX ss BZS IX ss BZH IX ss BZE IX ss
 BZHE IX ss BS IX tt BH IX uu BE IX vv
 BDS IX ww BDH IX xx BDE IX yy

as described in the Technical Construction File
 3W3-TCP-IX-001, Rev.0.0., aa of Dec. 30th, 2005

This certificate was issued in accordance with Article 10 (2) of the Council Directive 89/336/EEC in its
 latest amended version on the approximation of the laws of the Member States relating to electromagnetic
 compatibility, implemented in Germany by the "Electromagnetic Compatibility Act of September 18th, 1998
 (EMVG, Paragr. 4(2))". This certificate does not testify to compliance with the EMC protection requirements
 of other laws implementing Directives of the European Community other than Council Directive 89/336/EEC.
 This certificate relates to the sample submitted for testing or to the technical report.

Registration No.: AV 50080711 0001

Competent Body

Reference No.: 16006330 002

of-08.03.2006

Cologne, 08.03.2006

Yuxin Huang



CERTIFICATE



Number E 0750

Gastec Certification B.V. hereby declares that the
 Non-Electric Chiller / Heater, types

B(ZH)(ZE)(ZS)(ZHE) 15 IX (C)(D)(BC)(BD) through
 B(ZH)(ZE)(ZS)(ZHE) 1000 IX (C)(D)(BC)(BD)- (H₁ through H₄)

made by **Broad Air Conditioning,**

in **Changsha, Hunan, China,**

meet the essential requirements as described in the
Directive on appliances burning gaseous fuels
 (90/396/EEC)

PIN : 0063BL3603

Report number : 172603

Appliance type : B2a

Mentioned products can be marketed in:

- | | | | |
|-------------------------|---------------------|----------------------|-----------------|
| AL (Albania) | DK (Denmark) | IS (Iceland) | PL (Poland) |
| AT (Austria) | EE (Estonia) | IT (Italy) | PT (Portugal) |
| BA (Bosnia-Herzegovina) | ES (Spain) | LT (Lithuania) | RO (Romania) |
| BE (Belgium) | FI (Finland) | LU (Luxembourg) | SE (Sweden) |
| BG (Bulgaria) | FR (France) | LV (Latvia) | SI (Slovenia) |
| BY (Belarus) | GB (United Kingdom) | MD (Moldova) | SK (Slovakia) |
| CH (Switzerland) | GR (Greece) | MK (Macedonia) | SR (Turkey) |
| CY (Cyprus) | HR (Croatia) | MT (Malta) | TR (Turkey) |
| CZ (Czech Republic) | HU (Hungary) | NL (The Netherlands) | YU (Yugoslavia) |
| DE (Germany) | IE (Ireland) | NO (Norway) | |

Apeldoorn, 28 June 2006



Ir. M.L.D. van Rij,
 General Manager.

Gastec Certification BV
 P.O. Box 137
 7200 AC Apeldoorn
 Wijksteindiel 50
 7237 AC Apeldoorn
 The Netherlands



06-172

证书名称: 欧盟CE电磁兼容指令认证
 认证产品: 远大全系列非电空调主机
 认证机构: 德国莱茵TUV

证书名称: 欧盟CE燃气指令认证
 认证产品: 远大直燃式非电空调主机
 认证机构: 荷兰GASTEC



CERTIFICATE

of Conformity
Low Voltage Directive 73/23/EEC
as last amended by EEC Directive 93/68/EEC

Registration No.: AN 50080416 0001
Report No.: 16006802 001

Holder:
Broad Air Conditioning Co., Ltd.
Broad Town
Changsha, Hunan 410138
P.R. China

Product: Klimagerät
(Direct-Fired Absorption Chiller)

Identification: B2SR1X3s B2SR1X3s B2SR1X3s

Serial No.: H.A.
Remark: Refer to test report 16006802 001 for a detailed list of the variables etc. etc.

This certificate of conformity is based on an evaluation of a sample of the above mentioned product. Technical Report and documentation are at the License Holder's disposal. This is to certify that the tested sample is in conformity with all revision of Annex I of Council Directive 73/23/EEC, in its latest amended version, referred to as the Low Voltage Directive. This certificate does not imply assessment of the series-production of the product and does not permit the use of a TÜV Rheinland mark of conformity. The holder of the certificate is authorized to use this certificate in connection with the EC declaration of conformity according to Annex III of the Directive.



Certification Body

Dipl.-Ing. T. Zimmer

Cologne, 05.09.2006

TÜV Rheinland Product Safety GmbH - Am Grauen Stein - D-51105 Köln

CE The CE marking may be used if all relevant and effective EC Directives are complied with. CE

16006802

证书名称: 欧盟CE低电压指令认证
认证产品: 远大直燃式非电空调主机
认证机构: 德国莱茵TUV



Bureau Veritas S.A. is a Notified Body under the number 0062

N° CE-PED-F-BAC 004-10-CHN

- Limites essentielles maximales/minimales admissibles / essential maximum/minimum allowable limits:
- Pression maximale admissible / Maximum allowable pressure: 10 bar
- Température minimale/maximale admissible / Minimum/maximum allowable temperature: 0-185Celsius

INFORMATIONS COMPLÉMENTAIRES (le cas échéant) / FURTHER INFORMATION (where applicable)

- volume V de l'équipement sous pression (l) / Volume V of the pressure equipment (l): 328
- dimension nominale de la tuyauterie DN / Nominal size for piping DN: NA
- pression d'essai PT appliquée (bar) et date / Test pressure PT applied (bar) and date: 14.3 bar/Aug.23.2010
- pression de début de déclenchement du dispositif de sécurité (bar) / tension d'alimentation (volts): NA
- Safety device set pressure (bar) / puissance de l'équipement sous pression (kW) / Output of the pressure equipment (kW): NA
- tension d'alimentation (volts): NA
- Supply voltage (volts): NA
- usage prévu / intended use: Refrigérant
- taux de chargement (kg/l) / Filling ratio (kg/l): NA
- masse de remplissage nitré (kg) / tare (kg) / Maximum filling mass (kg): NA
- groupe de produits / autres informations / Other information: IV



Mode d'apposition et emplacement du marquage de l'équipement / N° et lieu de l'affichage de la marque of the equipment: Printed at the nameplate attached on the vessel

| | | | |
|---|---------------------------------------|---|---|
| Established at / Made at Shanghai, China | Le (NAME/US/AA) / On (NAME/CC/YYY) | Approuvé par / Approved and Accepted by Gilles Fan | Signature autorisée par Organisme Notifié Notified Body Notified Body No. 0062 |
| 09/27/2010 | France | | |

Code d'identification / Registration code: 2010/20118/Headp

La présente attestation est soumise aux Conditions Générales de Service de Bureau Veritas. Toute utilisation de la présente attestation est soumise à la signature d'un responsable de Bureau Veritas. This certificate is subject to the terms of Bureau Veritas General Conditions of Service. Any use of this certificate is subject to the signature of a responsible person of Bureau Veritas.

证书名称: 欧盟CE承压设备指令认证
认证产品: 远大蒸汽式非电空调主机
认证机构: 法国BV

This authorizes the application of the Certification Mark(s) shown below to the models described in the Product(s) Covered section when made in accordance with the conditions set forth in the Certification Agreement and Listing Report. This authorization also applies to multiple listee model(s) identified on the correlation page of the Listing Report.

This document is the property of Intertek Testing Services and is not transferable. The certification mark(s) may be applied only at the location of the Party Authorized To Apply Mark.



Intertek

Control Number: 3018577 Authorized by: *William T. Starr*
 William T. Starr, Certification Manager

This document supersedes all previous Authorizations to Mark for the noted Report Number.

This Authorization to Mark is for the exclusive use of Intertek's Client and is provided pursuant to the Certification Agreement between Intertek and its Client. Intertek's responsibility and liability are limited to the terms and conditions of the agreement. Intertek assumes no liability to any party, other than to the Client in accordance with the agreement, for any loss, expense or damage occasioned by the use of this Authorization to Mark. Only the Client is authorized to make copies or distributions of this Authorization to Mark and then only for its own internal use. Intertek's Certification Mark is a registered trademark of Intertek. All other marks and logos are the property of their respective owners. Intertek and its Client agree to indemnify and hold each other harmless from and against all claims, damages, costs and expenses, including reasonable attorneys' fees, arising out of or from the use of this Authorization to Mark for the purposes of production quality control and do not relieve the Client of their obligations in this respect.

Intertek Testing Services NA Inc.
 165 Main Street, Cortland, NY 13045
 Telephone 800-345-3851 or 607-753-6711 Fax 607-756-6699

| | | | |
|-------------------|--------------------------------------|----------------------|--------------------------------------|
| Applicant: | Broad Air Conditioning | Manufacturer: | Broad Air Conditioning |
| Address: | Broad Town, Changsha Hunan 410138 | Address: | Broad Town, Changsha Hunan 410138 |
| Country: | P.R. China | Country: | P.R. China |
| Contact: | Mr. Tan Yong Chang | Contact: | Mr. Tan Yong Chang |
| Phone: | +86-731-84086688 | Phone: | +86-731-84086688 |
| FAX: | +86-731-84610087 | FAX: | +86-731-84610087 |
| Email: | | Email: | |

Party Authorized To Apply Mark: Same as Manufacturer
 Report Issuing Office: Columbus

| | |
|---------------------|--|
| Standard(s): | Standard for Gas-Fired, Heat Activated Air-Conditioning And Heat Pump Appliance (ANSI Z21.40.1-1996, CGA 2.91a-M96, first edition), (ANSI Z21.40.1a-1997, CGA 2.91a-M97 (R2002)) |
| Product : | Direct Fired Absorption Chiller/Heaters |
| Models: | Broad N DFA Direct Fired Absorption Chiller/Heaters assemblies: BZ, BZE, BZH, BZHE and BZS followed by 20, 30, 50, 75, 100, 125, 150, 200, 250, 300, 400, 500, 600, 800 and 1000, followed by X followed by D. May be followed by other designations |

This authorizes the application of the Certification Marks shown below to the models described in the Product(s) Covered section when made in accordance with the conditions set forth in the Certification Agreement and Listing Report. This authorization also applies to multiple listee model(s) identified on the correlation page of the Listing Report.

Applicant: Broad Air Conditioning
 Broad Town, Changsha, Hunan 410138, China
 Name: Mr. Tan Yong Chang
 TEL:(86)731-4086688 FAX:(86) 731-4613440

Manufacturer: Same As Applicant
 Report No.: 3039384-003

Report Issuing Office: Intertek, Columbus Office

Product Covered: Broad N DFA Direct Fired Absorption Chiller/Heaters assemblies: BZ model series where B is followed by Z followed by XXX where XXX is 15, 20, 25, 30, 40, 50, 65, 75, 85, 100, 125, 150, 175, 200, 250, 300, 400, 500, 600, 800, 1000, and X is Broad's designations associated with the heat source type.

Description: The product covered in this report is absorption chiller/heater assembly used to produce chilled water for industrial or commercial air handling equipment. Water is used for Refrigerant medium. All refrigerant vessels operate under vacuum pressures. A lithium Bromide solution when heated, a strong absorbent of water, absorbs the surrounding vapor. Continuously and keeps the low-pressure condition in the evaporator/absorber vessel. The Product or characterized by the solution heat source through a burner and is either heavy oil-fired or light oil-fired water chiller. Product is intended for indoor installations only.

Standard(s): Standard for Safety for Oil-Fired Boiler Assemblies (UL 726 seventh edition, Revisions through and including January 26, 2001).

This document is the property of Intertek Testing Services NA Inc. and is not transferable. Only the Applicant may reproduce this document. The certification mark(s) may be applied only at the above noted location of the Party Authorized to Apply Mark.

Authorized by: *William T. Starr* Date: 17 May 2004
 William T. Starr
 Certification Manager

Control Number: 3018577

This authorization superseded our previous authorization dated 29 Jan., 2004.



Intertek Testing Services NA Inc.
 165 Main Street, Cortland, NY 13045-2994, USA
 Telephone 800-345-3851 or 607-753-6711 Fax 607-756-6699

1285 Whitman Road
Malvern, New York 11747-3681
United States Country Code (1)
(516) 271-6200
FAX No. (516) 271-6289
http://www.ul.com



CERTIFICATE OF COMPLIANCE

CERTIFICATE NUMBER: 050799
ISSUE DATE: 03/11/99

Issued to:

Broad USA LTD
Suite 7929
1 World Trade Center
New York, NY 10048

Report Reference: MH19712, Volume 1

This is to Certify that representative samples of:

Absorption Air Conditioning Equipment, Models BZXXXVIB, BZXXXVIBC, BZXXXVIBS, BZXXXVIC have been investigated by Underwriters Laboratories Inc. in accordance with the Standard(s) indicated on this Certificate.

Standard(s) for Safety: UL 795, Commercial-Industrial Gas Heating Equipment
UL 726, Oil-Fired Boiler Assemblies
UL 296, Oil Burners

Only those products bearing the UL Listing Mark should be considered as being covered by UL's Listing and Follow-Up Service

The UL Listing Mark generally includes four elements as follows: the name "Underwriters Laboratories Inc." in various forms and type styles, or abbreviations such as "Und. Lab. Inc." or the symbol "UL in a circle"; the word "Listed"; a control number (may be alphanumeric) assigned by UL; and, the product or category name (product identifier) as indicated in the appropriate UL Directory.

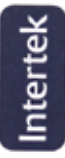
LOOK FOR THE UL LISTING MARK ON THE PRODUCT

Engineer:
Richard Taylor
Richard Taylor
Senior Engineering Assistant
Underwriters Laboratories Inc.

Reviewer:
R. DellaValle
Robert DellaValle
Associate Managing Engineer
Underwriters Laboratories Inc.

A not-for-profit organization
dedicated to public safety and
committed to quality service

证书名称: 美国UL安全认证
认证产品: 远大直燃式非电空调主机
认证机构: 美国保险商实验室



AUTHORIZATION TO MARK

This authorizes the application of the Certification Mark(s) shown below to the models described in the Product(s) Covered section when made in accordance with the conditions set forth in the Certification Agreement and Listing Report. This authorization also applies to multiple listee model(s) identified on the correlation page of the Listing Report.

This document is the property of Intertek Testing Services and is not transferable. The certification mark(s) may be applied only at the location of the Party Authorized To Apply Mark.



Intertek

Jan Starr for

Control Number: 3081577 Authorized by: William T. Starr, Certification Manager

This document supersedes all previous Authorizations to Mark for the noted Report Number.

This authorization to Mark is for the exclusive use of Intertek's Client and is provided pursuant to the Certification Agreement between Intertek and its Client. Intertek's responsibility and liability are limited to the use of this Authorization to Mark. Only the Client is authorized to permit copying or distribution of this Authorization to Mark and then only in its entirety. Use of Intertek's Certification Mark is restricted to the conditions set out in the agreement and in this Authorization to Mark. Any further use of this Intertek name for the sale or advertisement of the tested material, product or service must first be approved in writing by Intertek. Intertek Factory Assessments and Follow-Up Services are for the purpose of assuring appropriate usage of the Certification Mark in accordance with the agreement. They are not for the purpose of production quality control and do not involve the Client or their designees in this respect.

Intertek Testing Services NA Inc.
165 Main Street, Cortland, NY 13045
Telephone 800-345-3851 or 607-753-6711 Fax 607-756-6699

| | | | |
|------------|--------------------------------------|---------------|--------------------------------------|
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| Country: | P. R. China | Country: | P. R. China |
| Contact: | Mr. Tan Yong Qiang | Contact: | Mr. Tan Yong Qiang |
| Phone: | +86-731-84086688 | Phone: | +86-731-84086688 |
| FAX: | +86-731-84610087 | FAX: | +86-731-84610087 |
| Email: | | Email: | |

Party Authorized To Apply Mark: Same as Manufacturer
Report Issuing Office: Columbus

| | |
|--------------|--|
| Standard(s): | Standard for Safety Heating And Cooling Equipment ANSI / UL 1995/ CSA C22.2 No 236-05, Third Edition dated 02/18/2005. Standard includes revisions thru and including July 30, 2009 |
| Product: | Two-Stage Absorption Chiller |
| Models: | Broad X Two-Stage Indirect-Fired absorption chiller assemblies, BS model series where B is followed by H, E or S followed by XXXX where XXX is 20, 30, 50, 75, 100, 125, 150, 200, 250, 300, 400, 500, 600, 800, 1000, and X is Broad's designations associated with the heat source type. |

证书名称: 美国ETL安全认证
认证产品: 远大双效蒸汽、热水式非电空调主机
认证机构: 美国INTERTEK

Intertek

AUTHORIZATION TO MARK

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Intertek

Control Number: 3018577 Authorized by: William T. Starr, Certification Manager

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Intertek Testing Services NA, Inc.
165 Main Street, Cortland, NY 13045
Telephone 800-345-3851 or 607-753-6711 Fax 607-756-6699

| | | | |
|-------------------|---|----------------------|---|
| Applicant: | Broad Air Conditioning | Manufacturer: | Broad Air Conditioning |
| Address: | Broad Town, Changsha Hunan 410138, P. R. | Address: | Broad Town, Changsha Hunan 410138, P. R. |
| Country: | China | Country: | China |
| Contact: | Mr. Tan Yong Qiang | Contact: | Mr. Tan Yong Qiang |
| Phone: | +86-731-84086688 | Phone: | +86-731-84086688 |
| FAX: | +86-731-84610087 | FAX: | +86-731-84610087 |
| Email: | | Email: | |

Party Authorized To Apply Mark: Same as Manufacturer
Report Issuing Office: Columbus

| | |
|---------------------|--|
| Standard(s): | Standard for Safety Heating And Cooling Equipment ANSI / UL 1995/ CSA C22.2 No.236-05, Third Edition dated 02/18/2005. Standard includes revisions thru and including July 30, 2009 |
| Product : | Single -Stage Absorption Chiller |
| Models: | Broad N Single-Stage Indirect-Fired absorption chiller assemblies; BDS, BDH and BDE model series where BD is followed by H, S, or E followed by XXXX where XXX is 20, 30, 50, 75, 100, 125, 150, 200, 250, 300, 400, 500, 600, 800, 1000, and X is Broad's designations associated with the heat source type |

ATM for Report 3039384-001

Page 1 of 1

ATM Issued: 18-Jul-2011
SD 16.3.10a (10:12:07) Mandatory

证书名称: 美国ETL安全认证
认证产品: 远大单效蒸汽、热水、烟气式非电空调主机
认证机构: 美国INTERTEK

Intertek ETL SEMKO

AUTHORIZATION TO MARK

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Applicant: Broad Air Conditioning
Broad Town, Changsha,
Hunan 410138, China
Name: Mr. Tan Yong Qiang Phone: (86) 731-4086688 FAX: (86) 731-4613440
Contact: Same as Applicant
Party Authorized To Apply Mark: Same as Manufacturer
Report Issuing Office: Intertek, Columbus Office
Report No.: 3063702-005

Product Covered Broad Outdoor Package Air Conditioner DFA: BZY model series where BZY is followed by 233 or 582 for cooling capacity followed by IX for design code followed by B, C, D or E for heating value, may be followed by K, D or W for model function and may be followed by H1 for enlarged heating capacity

Description: The product covered in this report is absorption chiller/heater with optional hot water supply assembly. Product used for commercial air handling equipment. All units utilize water as refrigerant medium, natural gas as heat source, lithium bromide as absorbent. All refrigerant vessels operate under vacuum pressures. Lithium Bromide solution when heated, a strong absorbent of water, absorbs the surrounding vapor continuously and keeps the low-pressure condition in the evaporator/absorber vessel. The product is characterized by cooling capacity. Product is intended for outdoor installations and permanently connected to a power supply

Standard(s): American National Standard/Canadian Gas Association Standard for Gas-Fired, Heat Activated Air-Conditioning And Heat Pump Appliance (ANSI Z21.40.1-1996, CGA 2.91a-M96, first edition, revisions through and including addenda ANSI Z21.40.1a-1997, CGA 2.91a-M97).

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Authorized by: William T. Starr, Date: 30 Jul 2005
Certification Manager

Control Number: 3018577

Intertek Testing Services NA, Inc.
165 Main Street, Cortland, NY 13045-2985 USA
Telephone 800-345-3851 or 607-753-6711 Fax 607-756-6699




证书名称: 美国ETL安全认证
认证产品: 远大直燃式一体化非电空调 (燃气)
认证机构: 美国INTERTEK



Competent Body
TÜV Rheinland
Product Safety GmbH

Am Grauen Steh
D-51105 Köln

accredited by the
Regulierungsbehörde für Telekommunikation und Post
herewith grants a
Certificate of a Competent Body
within the meaning of Paragr. 4 (2) EMC Act respectively Art. 10 (2) of the
EMC Council Directive on compliance with the EMC protection requirements




Certificate Holder:
Broad Air Conditioning Co., Ltd.
Broad Town
Changsha, Hunan 410138
P.R. China


Product: **Klimagerät**
Outdoor Unit for Chiller/Heater

Identification: Broad Outdoor Package
Direct-Fired Absorption Chiller/Heater
outdoor mounted subassemblies of:
BZY333 series, BZY582 series
as described in the Technical Construction File
16002354, as of December 23, 2003

This certificate was issued in accordance with Article 10 (2) of the Council Directive 89/336/EEC in its latest amended version on the approximation of the laws of the Member States relating to electromagnetic compatibility, implemented in Germany by the "Electromagnetic Compatibility Act of September 18th, 1998 (EMVG, Paragr. 4(2))". This certificate does not testify to compliance with the EMC protection requirements of other laws implementing Directives of the European Community other than Council Directive 89/336/EEC. This certificate relates to the sample submitted for testing or to the technical report.

Registration No.: AV 50039077 0001
Reference No.: 16002354 002
Cologne, 27.02.2004

Competent Body:

Dipl.-Phys. J. Iden



证书名称： 欧盟CE电磁兼容指令认证
认证产品： 远大直燃式一体化非电空调
认证机构： 德国莱茵TUV



AUTHORIZATION TO MARK

This authorizes the application of the Certification Mark(s) shown below to the models described in the Product(s) Covered section when made in accordance with the conditions set forth in the Certification Agreement and Listing Report. This authorization also applies to multiple listed model(s) identified on the correlation page of the Listing Report.

Applicant: Broad Air Conditioning
Broad Town, Changsha,
Hunan 410138, China
Name: Mr. Tan Yong Qiang Phone: (86) 731-4066688 FAX: (86) 731-4613440
Manufacturer: Same as Applicant
Party Authorized To Apply Mark: Same as Manufacturer
Report Issuing Office: Intertek, Columbus Office
Report No.: 3053702-006

Product Covered: Broad Outdoor Package Air Conditioner DFA: BZY model series where BZY is followed by 233 or 582 for cooling capacity followed by X for design code followed by B, C, D or E for heating value, may be followed by K, D or W for model function and may be followed by H1 for enlarged heating capacity
Description: The product covered in this report is absorption chiller/heater with optional hot water supply assembly. Product used for commercial air handling equipment. All units utilize water as refrigerant medium, natural gas as heat source, lithium bromide as absorbent. All refrigerant vessels operate under vacuum pressures. Lithium Bromide solution when heated, a strong absorbent of water, absorbs the surrounding vapor continuously and keeps the low-pressure condition in the evaporator/boiler vessel. The product is characterized by cooling capacity. Product is intended for outdoor installations and permanently connected to a power supply

Standard(s): Standard for Safety for Oil-Fired Boiler Assemblies (UL 726, seventh edition, dated November 30, 1995) Standard contains revisions through and including 01/29/2001

This document is the property of Intertek Testing Services and is not transferable. Only the Applicant may reproduce this document. The certification mark(s) may be applied only at the above noted location of the Party Authorized To Apply Mark.

Authorized by: 
William T. Starr,
Certification Manager
Control Number: 3018577

Date: 30d, 2005



Intertek Testing Services NA Inc.
165 Main Street, Concord, NY 13345-2595 USA
Telephone 800-345-3811 or 607-753-8711 Fax 607-756-6699

证书名称： 美国ETL安全认证
认证产品： 远大直燃式一体化非电空调（燃油）
认证机构： 美国INTERTEK



CERTIFICATE

of Conformity

Low Voltage Directive 73/23/EEC
as last amended by EEC Directive 93/68/EEC

Registration No.: AN 50037854 0001

Report No.: 16002338 001

Holder:
Broad Air Conditioning
Broad Town
Changsha, Hunan 410138
P.R. China

Product:
Klimagerät
(Direct-fired absorption chiller/heater)

Identification:
Type Designation : BZY2338x-y-z
Variable x = C, D, E (indicates type of fuel)
Variable y = k, d, w or blank
Variable z = H1 or blank

Serial No. : n.a.
Remark: Refer to test report 16002338 001 for details.

This certificate of conformity is based on an evaluation of a sample of the above mentioned product. Technical Report and documentation are at the License Holder's disposal. This is to certify that the tested sample is in conformity with all revision of Annex I of Council Directive 73/23/EEC, in its latest amended version, referred to as the Low Voltage Directive. This certificate does not imply assessment of the series-production of the product and does not permit the use of a TÜV Rheinland mark of conformity. The holder of the certificate is authorized to use this certificate in connection with the EC declaration of conformity according to Annex III of the Directive.



Certification Body

T. Nispe
Dipl.-Ing. f. Nispe

Cologne, 05.02.2004

TÜV Rheinland Product Safety GmbH - Am Grauen Stein - D-51105 Köln

CE The CE marking may be used if all relevant and effective EC Directives are complied with. CE



Via Rossetti, 2
47114 BELLARIA (RN) Italy
Tel. ++390541 345030
Telex ++390541 345440

ISTITUTO GIORDANO S.p.A.

SINCE 1989 RESEARCHES AND CERTIFICATIONS EXPERTS

Cod. Fisc./Pec. IVA. 09.549.0540.489
R.E.A. c/o C.C.I.A.A. (RN) 150786
Registrazione Imprese Rimini n. 02.549.0540.489
Cap. Soc. € 518.000,00 i.v.

info@giordano.it
www.giordano.it

EC TYPE-EXAMINATION CERTIFICATE

No. 23228177IC
Contract No. CHIG03090

This is to certify that the products identified below is in compliance
with the essential requirements according with Directive 90/396/EEC GAD Annex I.

Description:
**BROAD OUTDOOR PACKAGE
DIRECT-FIRED ABSORPTION
CHILLER/HEATERS**

Model/Type:
BZY233, BZY582
Directive
90/396/EEC GAD

Manufacturer:
BROAD AIR CONDITIONING CO., LTD

Address:
BROAD Town, Changsha, Hunan, P. R. China

Test Report
No. IG-CE-2003-06

Pin Code
3362

On the basis of this certificate and according to the procedures established by European Directives 90/396/EEC GAD, the Manufacturer can proceed with the CE marking of the above mentioned products signing the declaration of conformity and affixing the following symbol



Place and date of issue
Bellaria Igen Marina, 17 November 2003

Chief Executive Officer
Prof. Arch. William Giordani
U.M.OMA

The validity of this certificate depend on the results of periodical inspection

CHANGES
The alterations made to the specimen or
The document cannot possibly be reproduced
without written consent of the laboratory.

证书名称: 欧盟CE低电压指令认证
认证产品: 远大直燃式一体化非电空调
认证机构: 德国莱茵TUV

证书名称: 欧盟CE燃气指令认证
认证产品: 远大直燃式一体化非电空调
认证机构: 意大利IG

ISTITUTO GIORDANO S.p.A.
 SINCE 1969 RESEARCHES AND CERTIFICATIONS EXPERTS

Via Rossini, 2
 47814 BELLARIA (RN) Italy
 Tel. ++390541 343000
 Telex ++390541 340540

Cod. Fisc./Pate. IVA: 00 549 0640 409
 R.E.A. DB C.G.I.A.A. (RN) 159786
 Registro Imprese Rimini n. 00 549 0640 409
 Cap. Soc. € 516.000.00 I.V.

istitutogiordano@giordano.it
 www.giordano.it



EC TYPE-EXAMINATION CERTIFICATE

No. 23228176/C
 Contract No. CHIC03090

This is to certify that the products identified below is in compliance with the essential requirements according with Directive 90/396/EEC GAD Annex I.

BROAD HOUSE GAS AIR CONDITIONER

Description:
 Model/Type:
BCT16, BCT23, BCT70, BCT115

Directive:
90/396/EEC GAD

Manufacturer:
BROAD AIR CONDITIONING CO., LTD


Address:
BROAD Town, Changsha, Hunan, P. R. China

Test Report:
No. IG-CE-2003-04, IG-CE-2003-05

Pin Code:
3361

On the basis of this certificate and according to the procedures established by European Directives 90/396/EEC GAD, the Manufacturer can proceed with the CE marking of the above mentioned products signing the declaration of conformity and affixing the following symbol

CE



Chief Executive Officer
 Dott. Arch. William Giorgetti

UNOMA

Place and date of issue
 Bellaria Igea Marina, 17 November 2003


SPECIAL RECOGNITION:

ISTITUTO GIORDANO is a member of the following organizations:

- IEC: International Electrotechnical Commission
- CEI: Comitato Elettrotecnico Italiano
- UNI: Ente Nazionale Italiano di Unificazione
- AENOR: Asociación Española de Normalización
- AFNOR: Association Française de Normalisation
- BSI: British Standards Institution
- DIN: Deutscher Institut für Normung
- EN: European Norm
- IEC: International Electrotechnical Commission
- ISO: International Organization for Standardization
- JIS: Japanese Industrial Standards
- BS: British Standards
- BS EN: British Standards European Norm
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- BS EN ISO 27000: British Standards European Norm International Organization for Standardization Information Security Management System
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CLAUSES

This document only refers to the specimen of the product submitted to the examination. The manufacturer is responsible for the conformity of the product with the requirements of the applicable standards.



CERTIFICATE

of Conformity
 Low Voltage Directive 73/23/EEC
 as last amended by EEC Directive 93/68/EEC

Registration No.: AN 50037853 0001
Report No.: 16000995 001


Holder:
 Broad Air Conditioning
 Broad Town
 Changsha, Hunan 410138
 P.R. China

Product:
 Klimaanlage
 (House Gas Air Conditioner)

Identification:
 Type Designation : BCT16x-y BCT23x-y BCT70x-y BCT115x-y
 Variable x = C, D, E (indicates type of fuel).
 Variable y = k, d, w or blank
 Serial No. : n.a.

Remark: Refer to test report 16000995 001 for details.

This certificate of conformity is based on an evaluation of a sample of the above mentioned product. Technical Report and documentation are at the Licence Holder's disposal. This is to certify that the tested sample is in conformity with all revision of Council Directive 73/23/EEC, in its latest amended version, referred to as the Low Voltage Directive. This certificate does not imply assessment of the self-production of the product and does not permit the use of a TÜV Rheinland mark of conformity. The holder of the certificate is authorized to use this certificate in connection with the EC declaration of conformity according to Annex III of the Directive.



Certification Body
T. Nid
 Dipl.-Ing. F. Nispal

Cologne, 05.02.2004

TÜV Rheinland Product Safety GmbH - Am Grauen Stein - D-51105 Köln

CE The CE marking may be used if all relevant and effective EC Directives are complied with. **CE**

证书名称: 欧盟CE低电压指令认证
 认证产品: 远小型非电空调
 认证机构: 德国莱茵TUV

Via Rossini, 2
 47814 BELLARIA (RN) Italy
 Tel. ++390541 343000
 Telex ++390541 340540

Cod. Fisc./Pate. IVA: 00 549 0640 409
 R.E.A. DB C.G.I.A.A. (RN) 159786
 Registro Imprese Rimini n. 00 549 0640 409
 Cap. Soc. € 516.000.00 I.V.

istitutogiordano@giordano.it
 www.giordano.it

EC TYPE-EXAMINATION CERTIFICATE

No. 23228176/C
 Contract No. CHIC03090

This is to certify that the products identified below is in compliance with the essential requirements according with Directive 90/396/EEC GAD Annex I.

BROAD HOUSE GAS AIR CONDITIONER

Description:
 Model/Type:
BCT16, BCT23, BCT70, BCT115

Directive:
90/396/EEC GAD

Manufacturer:
BROAD AIR CONDITIONING CO., LTD


Address:
BROAD Town, Changsha, Hunan, P. R. China

Test Report:
No. IG-CE-2003-04, IG-CE-2003-05

Pin Code:
3361

On the basis of this certificate and according to the procedures established by European Directives 90/396/EEC GAD, the Manufacturer can proceed with the CE marking of the above mentioned products signing the declaration of conformity and affixing the following symbol

CE



Chief Executive Officer
 Dott. Arch. William Giorgetti

UNOMA

Place and date of issue
 Bellaria Igea Marina, 17 November 2003

CLAUSES

This document only refers to the specimen of the product submitted to the examination. The manufacturer is responsible for the conformity of the product with the requirements of the applicable standards.

证书名称: 欧盟CE燃气指令认证
 认证产品: 远小型非电空调
 认证机构: 意大利IG



Competent Body
TÜV Rheinland
Product Safety GmbH

Am Grauen Stein
D-51105 Köln

accredited by the

Regierungsbehörde für Telekommunikation und Post
herewith grants a

Certificate of a Competent Body

within the meaning of Paragr. 4 (2) EMC Act respectively Art. 10 (2) of the
EMC Council Directive on compliance with the EMC protection requirements

Certificate Holder:

Broad Air Conditioning Co., Ltd.
Broad Town
Changsha, Hunan 410138
P.R. China

Product:

Klimagerät
Outdoor Unit for Air Conditioner

Identification:

Broad House Gas Air Conditioner
outdoor mounted subassemblies of:
BCT16 series, BCT23 series,
BCT70 series, BCT115 series

as described in the Technical Construction File
16001011, as of December 23, 2003

This certificate was issued in accordance with Article 10 (2) of the Council Directive 89/336/EEC in its
latest amended version on the approximation of the laws of the Member States relating to electromagnetic
compatibility, implemented in Germany by the "Electromagnetic Compatibility Act of September 18th, 1998
(EMVG, Paragr. 4(2))". This certificate does not testify to compliance with the EMC protection requirements
of other laws implementing Directives of the European Community other than Council Directive 89/336/EEC.
This certificate relates to the sample submitted for testing or to the technical report.

Registration No.: AV 50039073 0001

Reference No.: 16001011 002 of: 27.02.2004

Cologne, 27.02.2004

Competent Body

J. Iden
Dipl.-Phys. J. Iden



16001011

Intertek

AUTHORIZATION TO MARK

This authorizes the application of the Certification Mark(s) shown below to the models described in the Product(s)
Covered section when made in accordance with the conditions set forth in the Certification Agreement and Listing
Report. This authorization also applies to multiple listee model(s) identified on the correlation page of the Listing Report.

This document is the property of Intertek Testing Services and is not transferable. The certification mark(s) may be
applied only at the location of the Party Authorized To Apply Mark.



Intertek

Control Number: 3081577 Authorized by: *Jan Yan for*

William T. Starr, Certification Manager

This document supersedes all previous Authorizations to Mark for the noted Report Number.

This Authorization to Mark is for the exclusive use of Intertek's Client and is provided pursuant to the Certification Agreement between Intertek and its Client. Intertek's responsibility and liability are
limited to the terms and conditions of the agreement. Intertek assumes no liability for any party, other than to the Client in accordance with the agreement, for any loss, expense or damage occasioned by
the use of this Authorization to Mark. Any further use of the Intertek logo for the sale or advertisement of the listed material, product or service must first be
approved in writing by Intertek. Intertek Assessments and Follow up Services are for the purpose of assuring appropriate usage of the Certification mark in accordance with the agreement. They are
not for the purposes of production quality control and do not relieve the Client of their obligations in this regard.

Intertek Testing Services NA Inc
165 Main Street, Cortland, NY 13045
Telephone 800-345-3851 or 607-753-6711 Fax 607-756-6699

| | | | |
|-------------------|--------------------------------------|----------------------|--------------------------------------|
| Applicant: | Broad Air Conditioning | Manufacturer: | Broad Air Conditioning |
| Address: | Broad Town, Changsha Hunan 410138 | Address: | Broad Town, Changsha Hunan 410138 |
| Country: | P. R. China | Country: | P. R. China |
| Contact: | Mr. Tan Yong Qiang | Contact: | Mr. Tan Yong Qiang |
| Phone: | +86-731-84086888 | Phone: | +86-731-84086888 |
| FAX: | +86-731-84610087 | FAX: | +86-731-84610087 |
| Email: | | Email: | |

Party Authorized To Apply Mark: Same as Manufacturer
Report Issuing Office: Columbus

| | |
|---------------------|--|
| Standard(s): | Standard for Gas-Fired, Heat Activated Air-Conditioning And Heat Pump Appliance (ANSI Z21.40.1-1996, CGA 2.91a-M96, first edition) (ANSI Z21.40.1a-1997, CGA 2.91a-M97 (R2002)) |
| Product : | Broad House Gas Air Conditioner Assemblies |
| Models: | BC1 model series where BCT is followed by 23, 70 or 115 for cooling capacity followed by C, D or E for heating value and may be followed by K, D or W for model function |

ATM for Report 3063702-004

Page 1 of 1

ATM Issued: 3 Aug. 2011
SD 16.3 10a (10/12/07) Mandatory

证书名称: 欧盟CE电磁兼容指令认证
认证产品: 远大小型非电空调
认证机构: 德国莱茵TUV

证书名称: 美国ETL安全认证
认证产品: 远大小型非电空调
认证机构: 美国INTERTEK

CERTIFICATE OF AUTHORIZATION



This certificate accredits the named company as authorized to use the indicated symbol of the American Society of Mechanical Engineers (ASME) for the scope of activity shown below in accordance with the applicable rules of the ASME Boiler and Pressure Vessel Code. The use of the Code symbol and the authority granted by this Certificate of Authorization are subject to the provisions of the agreement set forth in the application. Any construction stamped with this symbol shall have been built strictly in accordance with the provisions of the ASME Boiler and Pressure Vessel Code.

COMPANY:

Broad Air Conditioning Co., Ltd.
Broad Town
Changsha City, Hunan Province 410138
People's Republic of China

SCOPE:

Manufacture of pressure vessels at the above location only

AUTHORIZED: March 19, 2009

EXPIRES: March 3, 2012

CERTIFICATE NUMBER: 35,653

Chairman of The Boiler
And Pressure Vessel Committee



Director, Accreditation and Certification

The American Society of Mechanical Engineers

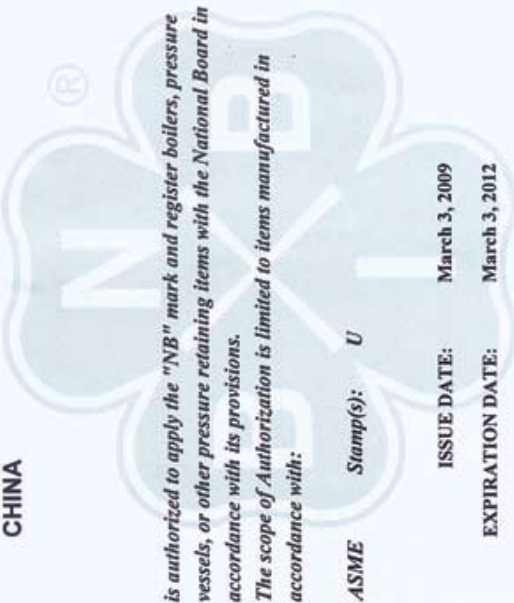
THE NATIONAL BOARD OF BOILER & PRESSURE VESSEL INSPECTORS

Certificate of Authorization



This is to certify that

BROAD AIR CONDITIONING CO., LTD.
BROAD TOWN
CHANGSHA CITY, HUNAN PROVINCE, 410138
CHINA



*is authorized to apply the "NB" mark and register boilers, pressure vessels, or other pressure retaining items with the National Board in accordance with its provisions.
The scope of Authorization is limited to items manufactured in accordance with:*

ASME

Stamp(s): U

ISSUE DATE: March 3, 2009

EXPIRATION DATE: March 3, 2012

Executive Director

NB 137 Rev. 8



证书名称: ASME授权证书

认证产品: 远大压力容器及其他承压设备 (适用于蒸汽、热水式非电空调主机)

认证机构: 美国机械工程师协会 (ASME)

证书名称: 美国NB授权证书

认证产品: 远大压力容器及其他承压设备 (适用于蒸汽、热水式非电空调主机)

认证机构: 美国锅炉与压力容器检验师全国委员会



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