



Ref. Certif. No.

SE-61117M1IEC SYSTEM FOR MUTUAL RECOGNITION OF TEST
CERTIFICATES FOR ELECTRICAL EQUIPMENT
(IECEE) CB SCHEMESYSTEME CEI D'ACCEPTATION MUTUELLE DE
CERTIFICATS D'ESSAIS DES EQUIPEMENTS
ELECTRIQUES (IECEE) METHODE OC**CB TEST CERTIFICATE****CERTIFICAT D'ESSAI OC**Product
Produit

Motor-compressor

Name and address of the applicant
Nom et adresse du demandeurKulthorn Kirby Public Co., Ltd.
126 Soi Chalongsong 31, Chalongsong Road, Khwaeng
Lamplatew, Khet Ladkrabang, Bangkok 10502 THAILANDName and address of the manufacturer
Nom et adresse du fabricant

Same as above

Name and address of the factory
Nom et adresse de l'usine

Same as applicant

Note: When more than one factory, please report on page 2
Note: Lorsque il y a plus d'une usine, veuillez utiliser la 2^{ème} pageRatings and principal characteristics
Valeurs nominales et caractéristiques principales

240V 50Hz; 220-240V 50Hz; 208-230V 60Hz; 115V 60Hz

Trademark (if any)
Marque de fabrique (si elle existe)

KK

Type of Manufacturer's Testing Laboratories used
Type de programme du laboratoire d'essais
constructeur

-

Model / Type Ref.
Ref. De type

WJ *****, WJ ****

Additional information (if necessary may also be
reported on page 2)
Les informations complémentaires (si nécessaire,
peuvent être indiqués sur la 2^{ème} page)

See page 2

A sample of the product was tested and found
to be in conformity with
Un échantillon de ce produit a été essayé et a été
considéré conforme à laIEC 60335-1:2001+A1+A2
IEC 60335-2-34:2002+A1+A2As shown in the Test Report Ref. No. which forms part
of this Certificate
Comme indiqué dans le Rapport d'essais numéro de
référence qui constitue partie de ce Certificat

EE-10030432, EE-12062504

This CB Test Certificate is issued by the National Certification Body
Ce Certificat d'essai OC est établi par l'Organisme **National de Certification**Intertek Semko AB
Box 1103
SE-164 22 Kista, Sweden
Int +46 8 750 00 00**Intertek**

Signature:

Bo Berglöv

Date: 29 August 2012

Additional information (if necessary)
Information complémentaire (si nécessaire)

Explanation of model designation WJ *****:

The first "*" may be 0-9 to denote application for the final use.

The second "*" may be 0-9 to denote the number of digits in rating for cooling / heating capacity.

The third to fourth "*" may be 00-99 to denote first to digit in rating for cooling / heating capacity.

The fifth "*" may be A, V, D, E, J, Y, Z, G or M to denote the refrigerant identification.

The sixth "*" may be K, S or blank to denote the manufacturing plant.

The seventh "*" may be -1, -2, -3, -4, -5, -6, -7, -8 or blank to denote electrical code.

The eighth "*" may be R, SR or blank to denote running and starting capacitor.

The ninth "*" may be A-Z, 0-9 or blank (up to three signs) to denote specific customer requirement.

Explanation of model designation WJ *****:

The first to second "*" may be 00-99 to denote displacement of cylinder in unit.

The third "*" may be L, M or H to denote the application for final use.

The fourth "*" may be A, V, D, E, J, Y, Z, HG or M to denote the refrigerant identification.

The fifth "*" may be -1, -2, -3 or blank to denote the code assigned to identify design variances and rated voltage.

For more detailed model list see test report.

This certificate replaces CB certificate SE-61117, dated 13 April 2010. A new certificate is issued due to changing the address of applicant, manufacturer and factory from "44/1 Moo7 Chalongsong Road, Khwaeng, Lamplatew, Khet Ladkrabang, Bangkok 10520 THAILAND" To the new address: "126 Soi Chalongsong 31, Chalongsong Road, Khwaeng Lamplatew, Khet Ladkrabang, Bangkok 10502 THAILAND".

Date: 29 August 2012

Signature:



Intertek Testing Services (Thailand) Ltd.
Univest Complex No. 546
4th Fl., Ratchadapisek Rd.
Chankasem, Chatuchak
Bangkok 10900

THAILAND

29 August 2012

Handled by
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Your reference
Phattrawan Thanupong

CB-certificate(s) SE-61117M1

We have the pleasure to enclose the requested CB-certificate(s) and the pertaining Test Report.

Yours sincerely

Intertek Semko AB
Product Certification

Enclosure CB certificate(s)

IEC SYSTEM FOR MUTUAL RECOGNITION OF TEST
CERTIFICATES FOR ELECTRICAL EQUIPMENT
(IECEE) CB SCHEME

SYSTEME CEI D'ACCEPTATION MUTUELLE DE
CERTIFICATS D'ESSAIS DES EQUIPEMENTS
ELECTRIQUES (IECEE) METHODE OC

CB TEST CERTIFICATE

CERTIFICAT D'ESSAI OC

Product
Produit

Motor-compressor

Name and address of the applicant
Nom et adresse du demandeur

Kulthorn Kirby Public Co., Ltd.
126 Soi Chalongkrung 31, Chalongkrung Road, Khwaeng
Lamplatew, Khet Ladkrabang, Bangkok 10502 THAILAND

Name and address of the manufacturer
Nom et adresse du fabricant

Same as above

Name and address of the factory
Nom et adresse de l'usine
Note: When more than one factory, please report on page 2
Note: Lorsque il y plus d'une usine, veuillez utiliser la 2^{ème}

Same as applicant

Ratings and principal characteristics
Valeurs nominales et caractéristiques principales

240V 50Hz; 220-240V 50Hz; 220V 50/60Hz; 208-230V 60Hz;
127V 60Hz; 115V 60Hz; 110V 60Hz; 100V 50/60Hz

Trademark (if any)
Marque de fabrique (si elle existe)

KK

Type of Manufacturer's Testing Laboratories used
Type de programme du laboratoire d'essais
constructeur

-

Model / Type Ref.
Ref. De type

BA ****, BA ****

Additional information (if necessary may also be
reported on page 2)
Les informations complémentaires (si nécessaire,
peuvent être indiqués sur la 2^{ème} page)

See page 2

A sample of the product was tested and found
to be in conformity with
Un échantillon de ce produit a été essayé et a été
considéré conforme à la

IEC 60335-1:2001+A1+A2
IEC 60335-2-34:2002+A1+A2

As shown in the Test Report Ref. No. which forms part
of this Certificate
Comme indiqué dans le Rapport d'essais numéro de
référence qui constitue partie de ce Certificat

EE-10030434, EE-12062506

This CB Test Certificate is issued by the National Certification Body
Ce Certificat d'essai OC est établi par l'Organisme **National de Certification**

Intertek Semko AB
Box 1103
SE-164 22 Kista, Sweden
Int +46 8 750 00 00

Intertek

Signature:


Bo Berglöv

Date: 13 August 2012

Additional information (if necessary)
Information complémentaire (si nécessaire)

Explanation for model BA *****:

The first symbol "*" represents the application for final use.

The second symbol represents number of digits in rating for cooling/heating capacity as Btu/h unit.

The third symbol represents first two digits in rating for cooling/heating capacity.

The fourth symbol represents the refrigerant identification and can be A, V, D, E, J, Y, Z, G or M.

The fifth and last symbol represents electrical code and can be none, -1, -2, -3, -4, -5, -6, -7 or -8

For more detailed model list see test report.

Explanation for model BA *****:

The first symbol "*" represents displacement of cylinder in unit.

The second symbol represents application for final use and can be L, M or H.

The third symbol represents refrigerant identification and can be A, V, D, E, J, Y, Z, G or M.

The fourth and last symbol represents the code assigned to identify design variances and can be none, -1, -2 or -3.

For more detailed model list see test report.

This certificate replaces CB certificate SE-61113, dated 13 April 2010. A new certificate has been issued due to changing the address of applicant, manufacturer and factory from "44/1 Moo7 Chalongkrung Road, Khwaeng, Lamplatew, Khet Ladkrabang, Bangkok 10520 THAILAND" To the new address: "126 Soi Chalongkrung 31, Chalongkrung Road, Khwaeng Lamplatew, Khet Ladkrabang, Bangkok 10502 THAILAND".

Date: 13 August 2012

Signature:



IEC SYSTEM FOR MUTUAL RECOGNITION OF TEST
CERTIFICATES FOR ELECTRICAL EQUIPMENT
(IECEE) CB SCHEME

SYSTEME CEI D'ACCEPTATION MUTUELLE DE
CERTIFICATS D'ESSAIS DES EQUIPEMENTS
ELECTRIQUES (IECEE) METHODE OC

CB TEST CERTIFICATE

CERTIFICAT D'ESSAI OC

Product
Produit

Motor-compressor

Name and address of the applicant
Nom et adresse du demandeur

Kulthorn Kirby Public Co., Ltd.
126 Soi Chalongkrung 31, Chalongkrung Road, Khwaeng
Lamplatew, Khet Ladkrabang, Bangkok 10502 THAILAND

Name and address of the manufacturer
Nom et adresse du fabricant

Same as applicant

Name and address of the factory
Nom et adresse de l'usine
Note: When more than one factory, please report on page 2
Note: Lorsque il y plus d'une usine, veuillez utiliser la 2^{ème}

Same as applicant

Ratings and principal characteristics
Valeurs nominales et caractéristiques principales

110V 60Hz; 100V 50/60Hz; 115V 60Hz; 127V 60Hz;
127V 50/60Hz ; 240V 50Hz; 220-240V 50Hz;
220V 50/60Hz; 208-230V 60Hz

Trademark (if any)
Marque de fabrique (si elle existe)

KK

Type of Manufacturer's Testing Laboratories used
Type de programme du laboratoire d'essais
constructeur

-

Model / Type Ref.
Ref. De type

AE *****, AE *****, AEA *****, AEV ****

Additional information (if necessary may also be
reported on page 2)
Les informations complémentaires (si nécessaire,
peuvent être indiqués sur la 2^{ème} page)

See page 2 and 3

A sample of the product was tested and found
to be in conformity with
Un échantillon de ce produit a été essayé et a été
considéré conforme à la

IEC 60335-1:2001+A1+A2
IEC 60335-2-34:2002+A1+A2

As shown in the Test Report Ref. No. which forms part
of this Certificate
Comme indiqué dans le Rapport d'essais numéro de
référence qui constitue partie de ce Certificat

EE-10020364, EE-12062505

This CB Test Certificate is issued by the National Certification Body
Ce Certificat d'essai OC est établi par l'Organisme **National de Certification**

Intertek Semko AB
Box 1103
SE-164 22 Kista, Sweden
Int +46 8 750 00 00

Intertek

Signature:


Bo Berglöv

Date: 13 August 2012

Additional information (if necessary)
Information complémentaire (si nécessaire)

Description of model designation AE ***** and AEA *****.

The first "*" represents the application for the final use.

- 1 = low back pressure motor with normal starting torque
- 2 = low back pressure motor with high starting torque
- 3 = high back pressure motor with normal starting torque
- 4 = high back pressure motor with high starting torque
- 5 = air conditioning motor with normal starting torque
- 6 = medium back pressure motor with normal starting torque
- 7 = medium back pressure motor with high starting torque
- 8 = air conditioning motor with normal starting torque (High Efficiency)
- 9 = commercial back pressure motor with high starting torque
- 0 = commercial back pressure motor with normal starting torque

The second "*" may be 0-9 represents number of digits in rating for cooling/heating capacity as Btu/h unit, for example,
4 = 4 digits

The third to fourth "*" may be 00-99 represents first two digits in rating for cooling/heating capacity, for example,
40 when it is integrated with 4 in front of it as 440, the cooling/heating capacity is 4000 Btu/h

The fifth "*" represents the refrigerant identification.

- A, V, or D = R12
- E = R22
- J = R502
- Y = R134a
- Z = R404A/R507
- G = R22/R407C

The sixth "*" represents manufacturing plant.

- K = Kulthorn Kirby
- S = Other plant
- None = No specific plant

The seventh "*" represents electrical code.

- None = 220-240V 50Hz
- 1 = 115V 60Hz
- 2 = 220V 60Hz or 208-230V 60Hz
- 3 = 100V 50/60Hz
- 4 = 110V 60Hz
- 5 = 127V 60Hz
- 6 = 220V 50/60Hz
- 7 = 127V 50/60Hz
- 8 = 110-115V 60Hz

The eighth "*" represents running and starting capacitors.

- R or CR = run capacitor is included
- SR = start and run capacitors are included
- None = no capacitor

The ninth "*" may be A-Z, 0-9, /F or blank (up to three signs) to denote specific customer requirement.

For detailed model description see test report

Date: 13 August 2012

Signature:



Additional information (if necessary)
Information complémentaire (si nécessaire)

Description of model designation AE ***** and AEV *****.

The first to second "*" may be 00-99 represents displacement of cylinder in unit of cc., for example,
18 = 18 cc.

The third "*" represents the application for final use.

L or Z = Low Back Pressure

M = Medium Back Pressure

H = High Back Pressure

The fourth "*" represents the refrigerant identification.

A, V, D or F = R12

E = R22

J = R502

Y = R134a

Z = R404A/R507

G = R22/R407C

M = R600a

The fifth "*" represents the code assigned to identify design variances for some specific customers and rated voltage.

None = Basic compressor as Kirby design

-1 = Lower housing with charging valve, designed for 240V 50Hz

-2 = Lower housing with process tube, designed for 240V 50Hz

-3 = Motor redesigned by Kulthorn Kirby, designed for 240V 50Hz

The sixth "*" may be A-Z, 0-9 or blank to denote specific customer requirements.

For detailed model description see test report

This certificate replaces CB certificate SE-61115, dated 13 April 2010. A new certificate has been issued due to changing the address of applicant, manufacturer and factory from "44/1 Moo7 Chalongkrung Road, Khwaeng, Lamplatew, Khet Ladkrabang, Bangkok 10520 THAILAND" To the new address: "126 Soi Chalongkrung 31, Chalongkrung Road, Khwaeng Lamplatew, Khet Ladkrabang, Bangkok 10502 THAILAND".

Date: 13 August 2012

Signature:





Ref. Certif. No.

SE-61859M1

IEC SYSTEM FOR MUTUAL RECOGNITION OF TEST
CERTIFICATES FOR ELECTRICAL EQUIPMENT
(IECEE) CB SCHEME

SYSTEME CEI D'ACCEPTATION MUTUELLE DE
CERTIFICATS D'ESSAIS DES EQUIPEMENTS
ELECTRIQUES (IECEE) METHODE OC

CB TEST CERTIFICATE

CERTIFICAT D'ESSAI OC

Product
Produit

Motor-compressor

Name and address of the applicant
Nom et adresse du demandeur

Kulthorn Kirby Public Co., Ltd.
126 Soi Chalongkrung 31, Chalongkrung Road, Khwaeng
Lamplatew, Khet Ladkrabang, Bangkok 10502 THAILAND

Name and address of the manufacturer
Nom et adresse du fabricant

Same as above

Name and address of the factory
Nom et adresse de l'usine

Same as applicant

Note: When more than one factory, please report on page 2
Note: Lorsque il y a plus d'une usine, veuillez utiliser la 2^{ème} page

Ratings and principal characteristics
Valeurs nominales et caractéristiques principales

100V 50/60Hz; 110V 60Hz; 110-115V 60Hz; 115V 60Hz;
127V 50/60Hz; 127V 60Hz; 208-230V 60Hz; 220V 50/60Hz;
220V 60Hz; 240V 50Hz; 220-240V 50Hz

Trademark (if any)
Marque de fabrique (si elle existe)

KK

Type of Manufacturer's Testing Laboratories used
Type de programme du laboratoire d'essais
constructeur

-

Model / Type Ref.
Ref. De type

AZ*****, AZ*****, AZA*****, AZA****

Additional information (if necessary may also be
reported on page 2)
Les informations complémentaires (si nécessaire,
peuvent être indiqués sur la 2^{ème} page)

See page 2-3

A sample of the product was tested and found
to be in conformity with
Un échantillon de ce produit a été essayé et a été
considéré conforme à la

IEC 60335-1:2001+A1+A2
IEC 60335-2-34:2002+A1+A2

As shown in the Test Report Ref. No. which forms part
of this Certificate
Comme indiqué dans le Rapport d'essais numéro de
référence qui constitue partie de ce Certificat

EE-10030433, EE-12062507

This CB Test Certificate is issued by the National Certification Body
Ce Certificat d'essai OC est établi par l'Organisme **National de Certification**

Intertek Semko AB
Box 1103
SE-164 22 Kista, Sweden
Int +46 8 750 00 00

Date: 13 August 2012

Intertek

Signature:

Bo Berglöv

Additional information (if necessary)
Information complémentaire (si nécessaire)

Description of model designation AZ ***** and AZA *****

The first "*" represents the application for the final use.

- 1 = low back pressure motor with normal starting torque
- 2 = low back pressure motor with high starting torque
- 3 = high back pressure motor with normal starting torque
- 4 = high back pressure motor with high starting torque
- 5 = air conditioning motor with normal starting torque
- 6 = medium back pressure motor with normal starting torque
- 7 = medium back pressure motor with high starting torque
- 8 = air conditioning motor with normal starting torque (High Efficiency)
- 9 = commercial back pressure motor with high starting torque
- 0 = commercial back pressure motor with normal starting torque

The second "*" may be 0-9 represents number of digits in rating for cooling/heating capacity as Btu/h unit, for example, 3 = 3 digits

The third to fourth "*" may be 00-99 represents first two digits in rating for cooling/heating capacity, for example, 35 when it is integrated with 3 in front of it as 335, the cooling/heating capacity is 350 Btu/h

The fifth "*" represents the refrigerant identification.

- A, V, or D = R12
- E = R22
- J = R502
- Y = R134a
- Z = R404A/R507
- G = R22/R407C

The sixth "*" represents manufacturing plant.

- K = Kulthorn Kirby
- S = Other plant
- None = No specific plant

The seventh "*" represents electrical code.

- None = 220-240V 50Hz
- 1 = 115V 60Hz
- 2 = 220V 60Hz or 208-230V 60Hz
- 3 = 100V 50/60Hz
- 4 = 110V 60Hz
- 5 = 127V 60Hz
- 6 = 220V 50/60Hz
- 7 = 127V 50/60Hz
- 8 = 110-115V 60Hz

The eighth "*" represents running and starting capacitors.

- R = run capacitor is included
- SR = start and run capacitors are included
- None = no capacitor

The ninth "*" may be A-Z, 0-9, /F or blank (up to three signs) to denote specific customer requirement.

For detailed model description see test report.

Date: 13 August 2012

Signature: 

Additional information (if necessary)
Information complémentaire (si nécessaire)

Description of model designation AZ ***** and AZA *****

The first to second "**" may be 00-99 represents displacement of cylinder in unit of cc., for example, 30 = 30 cc.

The third "**" represents the application for final use.

L = Low Back Pressure

M = Medium Back Pressure

H = High Back Pressure

The fourth "**" represents the refrigerant identification.

A, V, D or F = R12

E = R22

J = R502

Y = R134a

Z = R404A/R507

G = R22/R407C

The fifth "**" represents the code assigned to identify design variances for some specific customers and rated voltage.

None = Basic compressor as Kirby design

-1 = Lower housing with charging valve, designed for 240V 50Hz

-2 = Lower housing with process tube, designed for 240V 50Hz

-3 = Motor redesigned by Kulthorn Kirby, designed for 240V 50Hz

The sixth "**" may be A-Z, 0-9 or blank to denote specific customer requirements.

For detailed model description see test report.

This certificate replaces CB certificate SE-61859, dated 7 June 2010. A new certificate has been issued due to changing the address of applicant, manufacturer and factory from "44/1 Moo7 Chalongkrung Road, Khwaeng, Lamplatew, Khet Ladkrabang, Bangkok 10520 THAILAND" To the new address: "126 Soi Chalongkrung 31, Chalongkrung Road, Khwaeng Lamplatew, Khet Ladkrabang, Bangkok 10502 THAILAND".

Date: 13 August 2012

Signature: 

Intertek Testing Services (Thailand) Ltd.
Univest Complex No. 546
4th Fl., Ratchadapisek Rd.
Chankasem, Chatuchak
Bangkok 10900

THAILAND

13 August 2012

Handled by
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Direct telephone
+46 8 750 04 56
Reference
1218158
E-mail
susanna.ringner@intertek.com
Your reference
Phattrawan Thanupong

CB-certificate(s) SE-61113M1

We have the pleasure to enclose the requested CB-certificate(s) and the pertaining Test Report.

Yours sincerely

Intertek Semko AB
Product Certification

Enclosure CB certificate(s)