



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.: IECEx CQM 16.0040X Issue No: 0 Certificate history:
Issue No. 0 (2017-01-13)

Status: **Current** Page 1 of 3

Date of Issue: **2017-01-13**

Applicant: **WUXI TECO ELECTRIC & MACHINERY CO.,LTD**
No.9 Changjiang South Road, Wuxi , Jiangsu ,214028
China

Equipment: **Flameproof three-phase induction motor TEBY-80~132**
Optional accessory:

Type of Protection: **Flameproof enclosure "d"**

Marking:
Ex db IIB T4 Gb, Ex db IIC T4 Gb
IP55
Tamb: -20°C ~+50°C

*Approved for issue on behalf of the IECEx
Certification Body:*

Ji Xiaodong

Position:

General Manager

*Signature:
(for printed version)*

Date:

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: 100048
China





IECEx Certificate of Conformity

Certificate No: IECEx CQM 16.0040X Issue No: 0
Date of Issue: 2017-01-13 Page 2 of 3
Manufacturer: WUXI TECO ELECTRIC & MACHINERY CO.,LTD
No.9 Changjiang South Road, Wuxi , Jiangsu ,214028
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:

IEC 60079-0 : 2011 Explosive atmospheres - Part 0: General requirements
Edition:6.0
IEC 60079-1 : 2014-06 Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
Edition:7.0

*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/ExTR16.0043/00](#) [CN/CQM/ExTR16.0044/00](#)

Quality Assessment Report:

[GB/BAS/QAR14.0011/02](#)



IECEx Certificate of Conformity

Certificate No: IECEx CQM 16.0040X

Issue No: 0

Date of Issue: 2017-01-13

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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

1. This Certificate can include: TEBY-80M1, TEBY-80M2, TEBY-90L1, TEBY-90L2, TEBY-100L1, TEBY-100L2, TEBY-112M, TEBY-132S1, TEBY-132S2, TEBY-132M1, TEBY-132M2.

2. Description

This flameproof three-phase induction motor has two flameproof chambers. For motor body, flameproof joints between end shield and frame is spigot structure, end shield and shaft is cylindrical structure. Motor has a terminal box. The flameproof joints between terminal box cover and terminal box base is spigot structure. The flameproof joints between terminal box base and frame is plane structure for Ex db IIB and spigot structure for Ex db IIC.

There are 6 wiring terminals in the terminal box, The terminal box has two cable glands, the cable glands for power supply are the structure of flanged compression sealing ring fitted with screw and the cable gland for stator winding thermometry lead wire have IECEx certificate (M20×1.5).

The material of the enclosure is HT250, material of the fan is polypropylene(or ZL102). There are inner and external earthing mark and bolt.

3. The rating see as in attachment.

CONDITIONS OF CERTIFICATION: YES as shown below:

When repair?to contact the original manufacturer for information on the dimensions of the flameproof joints.

Annex:

[Attachment to IECEx CQM 16.0040X.pdf](#)



Attachment to Certificate

IECEX CQM 16.0040X issue 0



Applicant: WUXI TECO ELECTRIC & MACHINERY CO.,LTD
No.9 Changjiang South Road, Wuxi , Jiangsu ,214028
China

Electrical equipment: Flameproof three-phase induction motor TEBY-80~132

Description of equipment:

The certificate can cover following designations:

Voltage	Type	Number of the pole			
		2P	4P	6P	8P
200V, 220V, 230V, 240V, 380V, 400V, 415V, 440V, 460V, 480V, 525V, 575V, 660V, 690V, 1140V 220/380V, 230/400V, 380/660V, 400/690V 660/1140V 50Hz, 60Hz		Power kW			
	TEBY-80M1	0.75	0.55	0.37	0.18
	TEBY-80M2	1.1	0.75	0.55	0.25
	TEBY-90L1	1.5	1.1	0.75	0.37
	TEBY-90L2	2.2	1.5	1.1	0.55
	TEBY-100L1	3	2.2	1.5	0.75
	TEBY-100L2		3		1.1
	TEBY-112M	4	4	2.2	1.5
	TEBY-132S1	5.5	5.5	3	2.2
	TEBY-132S2	7.5			
	TEBY-132M1	---	7.5	4	3
	TEBY-132M2			5.5	



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INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification Scheme for Explosive Atmospheres

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Certificate No.: IECEx CQM 16.0041X Issue No: 0 Certificate history:
Issue No. 0 (2017-01-13)

Status: **Current** Page 1 of 3

Date of Issue: **2017-01-13**

Applicant: **WUXI TECO ELECTRIC & MACHINERY CO.,LTD**
No.9 Changjiang South Road, Wuxi , Jiangsu ,214028
China

Equipment: **Flameproof three-phase induction motor TEBY- 160 ~ 225**
Optional accessory:

Type of Protection: **Flameproof enclosure "d"**

Marking:
Ex db IIB T4 Gb, Ex db IIC T4 Gb
IP55
Tamb: -20°C ~+50°C

*Approved for issue on behalf of the IECEx
Certification Body:*

Ji Xiaodong

Position:

General Manager

*Signature:
(for printed version)*

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Date of Issue: 2017-01-13 Page 2 of 3
Manufacturer: **WUXI TECO ELECTRIC & MACHINERY CO.,LTD**
No.9 Changjiang South Road, Wuxi , Jiangsu ,214028
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:

IEC 60079-0 : 2011 Explosive atmospheres - Part 0: General requirements
Edition:6.0
IEC 60079-1 : 2014-06 Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
Edition:7.0

*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/ExTR16.0045/00](#) [CN/CQM/ExTR16.0046/00](#) [CN/CQM/ExTR16.0047/00](#)
[CN/CQM/ExTR16.0048/00](#)

Quality Assessment Report:

[GB/BAS/QAR14.0011/02](#)



IECEx Certificate of Conformity

Certificate No: IECEx CQM 16.0041X

Issue No: 0

Date of Issue: 2017-01-13

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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

1. This Certificate can include: TEBY-160M1, TEBY-160M2, TEBY-180M, TEBY-180L, TEBY-200L, TEBY-200L1, TEBY-200L2, TEBY-225M1, TEBY-225M2.

2. Description

This flameproof three-phase induction motor has two flameproof chambers. For motor body, flameproof joints between end shield and frame is spigot structure, between inner cover and end shield is spigot structure, between inner cover and shaft is cylindrical structure. Motor has 1 terminal box. The flameproof joints between terminal box cover and terminal box base is spigot structure. The flameproof joints between terminal box base and frame is plane structure for Ex db IIB and spigot structure for Ex db IIC.

There are 6 wiring terminals in the terminal box, The terminal box has two cable glands, the cable glands for power supply are the structure of flanged compression sealing ring fitted with screw and the cable gland for stator winding thermometry lead wire have IECEx certificate (M20×1.5).

The material of the enclosure is HT250, material of the fan is polypropylene(or ZL102). There are inner and external earthing mark and bolt.

3. The rating is as in attachment.

CONDITIONS OF CERTIFICATION: YES as shown below:

When repair?to contact the original manufacturer for information on the dimensions of the flameproof joints.

Annex:

[Attachment to IECEx CQM 16.0041X.pdf](#)



Attachment to Certificate

IECEX CQM 16.0041X issue 0



Applicant: WUXI TECO ELECTRIC & MACHINERY CO.,LTD
No.9 Changjiang South Road, Wuxi , Jiangsu ,214028
China

Electrical equipment: Flameproof three-phase induction motor TEBY-160~225

Description of equipment:

The certificate can cover following designations:

Voltage	Type	Number of the pole			
		2P	4P	6P	8P
200V, 220V, 230V, 240V, 380V, 400V, 415V, 440V, 460V, 480V, 525V, 575V, 660V, 690V, 1140V 220/380V, 230/400V, 380/660V, 400/690V 660/1140V 50Hz, 60Hz		Power kW			
	TEBY-160M1	11	11	7.5	4
	TEBY-160M2	15			5.5
	TEBY-160L	18.5	15	11	7.5
	TEBY-180M	22	18.5	---	---
	TEBY-180L	---	22	15	11
	TEBY-200L1	30	30	18.5	15
	TEBY-200L2	37		22	
	TEBY-225M1	---	37	---	18.5
	TEBY-225M2	45	45	30	22



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Certificate No.: IECEx CQM 16.0042X Issue No: 0 Certificate history:
Issue No. 0 (2017-01-13)

Status: **Current** Page 1 of 3

Date of Issue: **2017-01-13**

Applicant: **WUXI TECO ELECTRIC & MACHINERY CO.,LTD**
No.9 Changjiang South Road, Wuxi , Jiangsu ,214028
China

Equipment: **Flameproof three-phase induction motor TEBY- 250 ~355**
Optional accessory:

Type of Protection: **Flameproof enclosure "d"**

Marking:
Ex db IIB T4 Gb, Ex db II(H2) Gb
IP55
Tamb: -20°C ~+50°C

*Approved for issue on behalf of the IECEx
Certification Body:*

Ji Xiaodong

Position:

General Manager

*Signature:
(for printed version)*

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Edition:6.0
IEC 60079-1 : 2014-06 Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
Edition:7.0

*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/ExTR16.0049/00](#) [CN/CQM/ExTR16.0050/00](#) [CN/CQM/ExTR16.0051/00](#)
[CN/CQM/ExTR16.0052/00](#)

Quality Assessment Report:

[GB/BAS/QAR14.0011/02](#)



IECEX Certificate of Conformity

Certificate No: IECEx CQM 16.0042X

Issue No: 0

Date of Issue: 2017-01-13

Page 3 of 3

Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

1. This Certificate can include: TEBY-250M, TEBY-280S, TEBY-280M, TEBY-315S, TEBY-315M, TEBY-315L1, TEBY-315L2, TEBY-315L3, TEBY-355M1, TEBY-355M2, TEBY-355L1, TEBY-355L2, TEBY-355L3

2. Description

This flameproof three-phase induction motor has two flameproof chambers for TBEY-250~280 and three flameproof chambers for TBEY-315~355. For motor body, flameproof joints between end shield and frame is spigot structure, between inner cover and end shield is spigot structure, between inner cover and shaft is cylindrical structure.

For TEBY 250~280, motor has 1 terminal box. The flameproof joints between terminal box cover and terminal box base is spigot structure. The flameproof joints between terminal box base and frame is plane structure for Ex db IIB and spigot structure for Ex db II(H2). There are 6 wiring terminals and 1 flameproof lead wire bush in the terminal box, The terminal box has two cable glands, the cable glands for power supply are the structure of flanged compression sealing ring fitted with screw and the cable gland for stator winding thermometry lead wire have IECEx certificate (M20×1.5).

For For TEBY 315~355, there are two terminal boxes. For power supply terminal box, there are 6 terminals and two cable glands ,which are the structure of flanged compression sealing ring fitted with screw. The auxiliary terminal box has 2 M20×1.5 cable glands with IECEx certificate.

The flameproof joints between terminal box cover and terminal box base is spigot structure. The flameproof joints between power supply terminal box base and frame is plane structure for Ex db IIB and spigot structure for Ex db II(H2). The flameproof joints between auxiliary terminal box base and frame is spigot structure.

The material of the enclosure is HT250, material of the fan is polypropylene(or ZL102). There are inner and external earthing mark and bolt.

3. The rating is as in attachment.

CONDITIONS OF CERTIFICATION: YES as shown below:

When repair?to contact the original manufacturer for information on the dimensions of the flameproof joints.

Annex:

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IECEX CQM 16.0042X issue 0



Applicant: WUXI TECO ELECTRIC & MACHINERY CO.,LTD
No.9 Changjiang South Road, Wuxi , Jiangsu ,214028
China

Electrical equipment: Flameproof three-phase induction motor TEBY-250~355

Description of equipment:

The certificate can cover following designations:

Voltage	Type	Number of the pole				
		2P	4P	6P	8P	10P
200V, 220 V, 230 V, 240V, 380 V, 400V ,415 V, 440 V, 460 V, 480 V, 525 V, 575V, 660 V, 690 V, 1140V 220/380V, 230/400V, 380/660V, 400/690V, 660/1140V 50Hz, 60Hz		Power kW				
	TEBY-250M	55	55	37	30	
	TEBY-280S	75	75	45	37	
	TEBY-280M	90	90	55	45	
	TEBY-315S	110	110	75	55	45
	TEBY-315M	132	132	90	75	55
	TEBY-315L1	160	160	110	90	75
	TEBY-315L2	185	185	132	110	90
	TEBY-315L3	200	200	-	-	-
	TEBY-355M1	220	220	160	132	110
	TEBY-355M2	250	250	200	160	132
	TEBY-355L1	280	280	220	185	160
	TEBY-355L2	315	315	250	200	185
TEBY-355L3	355	355	280	220	200	