



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 16.0041X 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)*

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 16.0041X 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/ExTR16.0045/00 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

Page 3 of 3

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