



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 BAS 17.0055X Issue No: 0 Certificate history:
Issue No. 0 (2017-07-12)

Status: **Current** Page 1 of 3

Date of Issue: **2017-07-12**

Applicant: **TECO Electric & Machinery Co. Limited**
Factory Number I & II,
11 An Tung Road,
Chung Li Industrial District,
Taoyuan, 320,
Taiwan

Equipment: **Induction Motors of Frame Sizes 80 to 315**
Optional accessory:

Type of Protection: **Type of protection n and Dust Protected**

Marking: **Ex nA IIC T3 Gc Ta -20°C to +55°C or**
Ex tb IIIC T135°C Db IP66 Ta -20°C to +55°C or
Ex tc IIIC T135°C Dc IP55 Ta -20°C to +55°C

Approved for issue on behalf of the IECEx
Certification Body:

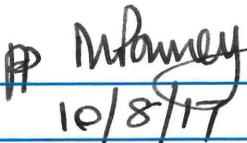
R S Sinclair

Position:

Technical Manager

Signature:
(for printed version)

Date:


10/8/17 

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:

SGS Baseefa Limited
Rockhead Business Park
Staden Lane
Buxton, Derbyshire, SK17 9RZ
United Kingdom





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Manufacturer: **TECO Electric & Machinery Co. Limited**
Factory Number I & II,
11 An Tung Road,
Chung Li Industrial District,
Taoyuan, 320,
Taiwan

Additional Manufacturing location(s):

WUXI TECO Electric & Machinery Company Limited

No. 9, Changjiang South Road

Wuxi

Jiangsu

214028

China

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 60079-15 : 2010 Explosive atmospheres - Part 15: Equipment protection by type of protection "n"

Edition:4

IEC 60079-31 : 2013 Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure "t"

Edition:2

*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:

[GB/BAS/ExTR14.0201/00](#)

Quality Assessment Report:

[GB/BAS/QAR08.0012/05](#)

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



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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

The Range of Induction Motors of Frame Size 80 to 315 comprises of a stator frame, endshields and a terminal box all manufactured from cast iron. The single ended, foot or drive end face and flange mounted motors may be provided with thermal sensors in the windings. The motors may be vertically mounted, shaft down, when provided with a cowl over the fan cowl.

The motors can be provided with anti-condensation heaters to IECEX BAS13.0144U, breather drain plugs to IECEX 11.0076X, auxiliary terminals to IECEX SIR 05.0036U , and IECEX PTB 04.0003U.

The 2 to 8 pole motors are rated up to 690Vac, 50/60Hz, 315kW, and have the following outputs at 50Hz and are to be supplied from a sinusoidal supply for S1 duty only.

Frame size	Maximum output (kW)	Frame size	Maximum output (kW)
80	1.1	180	22
90	2.3	200	37
100	3	225	45
112	4	250	55
132	7.5	280	90
160	18.5	315	315

The above values may be increased by 1.15 for use on 60Hz supplies.

The motors may be provided with an additional label marked in the name of TECO Westinghouse

SPECIFIC CONDITIONS OF USE: YES as shown below:

1. The cable glands are to be provided with sealing gaskets to maintain the IP rating.
2. The incoming mains cables are to be provided with insulated crimped terminals lugs to maintain the minimum clearance distance.