



Certificate of Compliance

Certificate: 1563942

Master Contract: 171832

Project: 2660904

Date Issued: September 12, 2013

Issued to: **TECO Electric & Machinery Co., Ltd.**

10F No 3-1 Park St

Nan-Kang

Taipei, 11503

Taiwan

Attention: George Kang

The products listed below are eligible to bear the CSA Mark shown



D. Somma

Issued by: D. Somma, C.E.T.

PRODUCTS

CLASS 4228 81 - MOTORS AND GENERATORS - For Hazardous Locations - Certified to US Standards

CLASS 4228 01 - MOTORS AND GENERATORS - For Hazardous Locations

Class I, Div. 2, Groups B, C and D; Temperature Coded T4, T3C, T3B, T3A, T3, T2D or T2B (where applicable):

- Three phase induction motor, Types AEHH-XX and AEHHUW, horizontal mounting with or without C or D Flange ; Frames Sizes 143 to 449 max, 2, 4, 6 and 8 pole rated 600V max, 300 hp max; Frames Sizes 5007 to 5811; 2, 4, 6 and 8 pole, rated 600 V max, 500 HP max; Class F, TEFC; 60 Hz @ 1.15 S.F. or 50 Hz @ 1.0 S.F. , continuous or Inverter duty @ 1.0 S.F.
- Three phase induction motor, Types AEUH-XX, vertical flange mounting; Rated 600V max, 300 hp max, Class F, TEFC, SF 1.0 or 1.15, continuous or Inverter duty @ 1.0 S.F., Frames Sizes 143 to 449 max, 2, 4, 6 and 8 pole:

Were suffix XX denotes:

8B, 8A: Non contacting seals per IEEE841 on both ends, plus epoxy paint for oil & chemical industry;

8R: Standard seals but with epoxy paint for oil & chemical industry;



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8N: standard seals with standard paint:

8M: Non contacting seals on both ends plus anti-corrosion paint

Notes:

Notes:

- (a) Suffix numbers and or letter representing mechanical construction.
- (b) Current at 208V is also marked if the motor is rated with 208V on the nameplate in addition to other voltages.
- (c) Detail electrical ratings are tabulated under descriptive report
- (d) Motors may be provide with optional space heaters rated 115/230 VAC max, with a total watt dissipation of 100W max

APPLICABLE REQUIREMENTS

CAN/CSA-C22.2 No. 0- M91- General Requirements

CAN/CSA-C22.2 No. 100-04 - Motors and Generators

CAN/CSA-C22.1-06 - Canadian Electrical Code Part I

CAN/CSA-C22.2 No. 145-M1986 - Motors and Generators for use in Hazardous Location (Guidance)

CAN/CSA-C22.2 No. 213-M1987 - Non-Incendive Electrical Equipment for use in Class I, Division 2 Hazardous Locations

MARKINGS

A metal nameplate 0.5mm thick is secured to the motor with screws, rivets or drive pins in bottomed holes.

The nameplates include the following:

- Submitter's name/logo.
- CSA Monogram,
- Catalogue/model designation.
- Electrical ratings.
- Hazardous locations designation: Class I, Div. 2, Groups B, C and D (May be optionally marked with the additional Zone markings, e.g. Class I, Zone 2, Groups IIB+H2, IIB and IIA).



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- Temperature Code T2B, T2D, T3, T3A, T3B, T3C or T4 (where applicable), or Maximum Operating Temperature.

- Maximum ambient 40 °C or 55 °C @ 1.0 S.F.

- Bilingual caution: "CAUTION: OPEN CIRCUIT BEFORE REMOVING COVER" and "ATTENTION: OUVRIER LE CIRCUIT D'ENLEVER LE COUVERCLE" and "WARNING: MORE THAN ONE LIVE CIRCUIT. SEE DIAGRAM AND AVERTISSEMENT: CET EQUIPEMENT RENFERME CIRCUITS SOUS TENSION VOIR LE SCHEMA".

- "USE SUPPLY WIRE SUITABLE FOR 90 °C"

- Factory location or designation.

- Temperature limiting device Type 9700K and associated connection (where applicable).

- Serial Number or date Code

- Insulation System Class;

- Time Ratings or Duty Cycle;

- The Type of Inverter (PWM), i.e. "FOR USE WITH PWM INVERTER"(where applicable);

- Frequency Range or Speed Range (where applicable);

- Frame Size;

- Characteristics: "CONSTANT TORQUE" OR "VARIABLE TORQUE"(where applicable);

- Motors provided with anti-condensation heaters shall be marked with the word "HEATER", including voltage and wattage.