



Certificate of Compliance

Certificate: 70013549 (256526)

Master Contract: 256526

Project: 70095026

Date Issued: 2016-10-13

Issued to: Bartec Varnost d.o.o
Cesta 9
avgusta 59
Zagorje ob Savi, 1410
SLOVENIA
Attention: Simon Celestina

The products listed below are eligible to bear the CSA Mark shown with adjacent indicators 'C' and 'US' for Canada and US or with adjacent indicator 'US' for US only or without either indicator for Canada only.



Issued by: *Marin Banu*
Marin Banu

PRODUCTS

CLASS - C422801 - MOTORS AND GENERATORS-For Hazardous Locations

CLASS - C422881 - MOTORS AND GENERATORS-For Hazardous Locations - Certified to US Standards

Class I, Division 1, Group C and D; T4-T6; IP65/ Encl Type 4X

Class II, Division 1 and 2, Groups E, F and G

Ex d IIC, T4-T6 Gb

Class I, Zone 1, Ex d IIC

Class I, Zone 1, Ex d IIB

Class I, Zone 1, Ex d IIA

Class II, Zone 21, Ex tb

Class II, Zone 22, Ex tb

Induction Motors, 4KTU Series, Frame Size 143 to 365 and IEC frame sizes (71-225), squirrel cage, three phase, rated up to 60 HP, 690 V max, 50/60 Hz, 6000 rpm max, Class F insulation, S.F. 1.0 or 1.1, S1 to S9 duty.

APPLICABLE REQUIREMENTS

CSA - C22.2 No. 0-10

- General Requirements - Canadian Electrical Code Part II.



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- CSA - C22.2 No. 30-M1986 (R2012) - Explosion-proof Enclosures for Use in Class I Hazardous Locations.
CSA - C22.2 No. 213-M1987 (R2013) - Non-Incendive Electrical Equipment for Use in Class I, Division 2 Hazardous Locations
- CSA - C22.2 No. 100-14 - Motors and generators
CSA - C22.2 No. 145-2014 - Motors and Generators for Use in Hazardous Locations Class I, Groups C & D, Class II Groups E, F and G
- CSA - C22.2 No 94.2-07 - Enclosures for Electrical Equipment, Environmental Considerations
CAN/CSA - C22.2 No. 60529:05 - Degrees of Protection Provided By Enclosures (IP Code)
CAN/CSA-C22.2 No. 60079-0:07 - Electrical apparatus for explosive gas atmospheres – Part 0: General requirements
CAN/CSA-C22.2 No. 60079-1:07 - Electrical apparatus for explosive gas atmospheres – Part 1: Flameproof enclosures "d"
CAN/CSA - C22.2 No. 60079-15:12 - Electrical Apparatus for Explosive Gas Atmospheres – Part 0: General Requirements
CAN/CSA-C22.2 No. 60079-31:15 - Explosive atmospheres – Part 31 : Equipment dust ignition protection by enclosure "t"
- UL 674, 5th Edition - UL Standard for Safety for Electric Motors and Generators for Use in Division 1 Hazardous (Classified) Locations
ANSI/ISA-12.12.01-2000 - Nonincendive Electrical Equipment for Use in Class I and II, Division 2 and Class III, Divisions 1 and 2 Hazardous (Classified) Locations
UL 1004, 5th Edition - Electric Motors
UL SU 1836 - Outline of Investigation for Electric Motors and Generators for Use in Class I, Div. 2 and Class II, Div. 2 Hazardous (Classified) Locations
- UL 50E (1st Edition) - Enclosures for Electrical Equipment, Environmental Considerations
ANSI/UL 60079-0 (5th Edition 2009) - Explosive Atmospheres – Part 0: Equipment - General requirements
ANSI/UL 60079-1 (6th Edition 2009) - Explosive Atmospheres – Part 1: Equipment Protection by Flameproof Enclosures "d"
ANSI/UL 60079-15: 2013 - Explosive atmospheres – Part 15: Equipment protection by type of protection 'n'
ANSI/UL 60079-31:15 - Explosive atmospheres – Part 31: Equipment dust ignition protection by enclosure "t"
ANSI/IEC 60529 (Ed. 2.1 2001 -02) - Degrees of Protection Provided By Enclosures (IP Code)

MARKINGS

The marking shall be permanent, such as a 0.5 mm thick metal nameplate secured by drive pins or screws in bottomed holes, cast, etched, or engraved.

- Manufacturers name;
- Model or type designation or equivalent;
- Rated voltage;
- Frequency in Hertz;
- Rated amperes;
- Number of phases;
- Service factor;
- Rated speed;



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- Insulation system code;
- Horsepower rating;
- Maximum ambient temperature;
- Hazardous locations designation
- Temperature Code Rating
- Space heater nameplate (when applicable) shall be marked with voltage and watts ratings;
- Inverter duty type
- Enclosure Type designation: TEFC
- Date code or equivalent;
- CSA Monogram with C/US subscript

Note - Jurisdictions in Canada may require these markings to also be provided in French language. It is the responsibility of the manufacturer to provide bilingual marking, where applicable, in accordance with the requirements of the Provincial Regulatory Authorities. It is the responsibility of the manufacturer to determine this requirement and have bilingual wording added to the "Markings".



Supplement to Certificate of Compliance

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*The products listed, including the latest revision described below,
are eligible to be marked in accordance with the referenced Certificate.*

Product Certification History

Project	Date	Description
70095026	2016-10-13	Update existing CSA Report 70013549 to add IEC frame sizes (71-225)
70013549	2016-02-01	CSA c/us certification of the Induction Motors, 4KTU Series