

Certificate of Compliance

Certificate: 1485150

Master Contract: 222581

Project: 2430273

Date Issued: October 17, 2011

Issued to: ELMOT AD
73, NIKOLA GABROVSKI Str.
5000 Veliko Tarnovo
Bulgaria
Attention: Mrs. D. Lazarova

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: N. Bos
N. Bos

PRODUCTS

CLASS 4211 01 – MOTORS AND GENERATORS

CLASS 4211 81 – MOTORS AND GENERATORS – certified to US standards

Hoist travel-motors with electrical brake, squirrel cage induction type, TEFC, Class F, models 8/2F12, 8/12F13, 8/2F30, 8/2F31, 8/2F42, 8/2F52, 4F38, 4F48, 4F18, AF71S 8/2;AF71-8/2;AF71-4;AF90SB 8/2;AF90S 8/2;AF90S4;AF90-8/2;AF90-4;AF112-8/2 followed by /xxx.yyy, rated 50/60Hz, 600 V or less, 3ph, 3.8kW max., duty cycle dual speed motors 20/40%, single speed motors 40%, for 240 cycles per hour

Notes:

1. Suffixes /xxx.yyy denote internal codification of mfr
2. The motors are designed for one or two speeds.
3. The motors are certified for use as component in other certified equipment where final suitability will be determined by CSA authorities or other NRTL.

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4. Motors may be provided with a thermal protector, not replacing normal overload protection as required by the Canadian Electrical Code, PART I.
5. Certified conduit fittings from metric to ½ conduit NPT tread size are shipped with the motors and shall be used during the final installation in case terminal boxes are provided with metric thread.

APPLICABLE REQUIREMENTS

- CSA Standard C22.2 No.0-M91 - General Requirements
- CSA Standard C22.2 No 0.4-04 - Bonding and Grounding of Electrical Equipment
- CSA Standard C22.2 No 33-M1984(R2004) - Construction and Test of Electrical Cranes and Hoists (as a guide)
- CSA Standard C22.2 No 100 - Motors and Generators
- UL 1004-1,1st edition - Electric motors

MARKINGS

Submitters name or file number (master contract), type designation, electrical ratings in volts, hertz, kW, duty cycle in % (see below) , TEFC, number of phases, insulation class F, date code and CSA Monogram with adjacent "C" and "US" indicators are shown on a CSA accepted adhesive type nameplate manufactured by 3M, type:7818, UL file number : PGJ18 MH18072

Following instructions for mounting and installation shall be provided with each motor in both English and French.

- Wiring diagram or marked terminals
- Installation and instructions.

Note:

- Duty cycle for two speed motors is defined as follows 20/40% for 240 cycles per hour, test cycle 15 sec, low speed 3 sec on, 12 sec off, high speed 6 sec on, 9 sec off.

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
1485150	February 12, 2004	Original certification for Hoist travel-motors with electrical brake, squirrel cage induction type, TEFC, Class F, models 8/2F12, 8/12F13, 8/2F31, 8/2F42, 8/2F52, 4F38, 4F48, 4F18, followed by /xxx.yyy
-2268309	March 17, 2010	Update to report 1485150 to cover models AF71S 8/2;AF71-8/2;AF71-4;AF90SB 8/2;AF90S 8/2;AF90S4;AF90-8/2;AF90-4;AF112-8/2 and alternate component for model 8/2 F30. Report re-issued.
-2430273	October 17, 2011	Addition of alternative terminal blocks