



# Certificate of Compliance

**Certificate:** 70002234

**Master Contract:** 241328

**Project:** 80042764

**Date Issued:** November 6, 2020

**Issued To:** HIMMEL Antriebstechnik GmbH & Co.KG.  
Venneweg 28  
Postfach 1229  
Gescher, Nordrhein-Westfalen, 48712  
Germany

**Attention:** Daniel Ahlers

*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:** Sven Renke  
Sven Renke



## **PRODUCTS**

CLASS - C421101 - MOTORS AND GENERATORS

CLASS - C421181 - MOTORS AND GENERATORS Certified to US Standards

Part A: 3 phase drum motors series type TM rated 115/200 for 50 Hz or 220-240/380-420Vac, 254-277/440-480Vac for 60Hz, 2 to 8 Poles, Power range from 0.03kW to 2kW. Motor size 60, 82, 111/113, 138 and 165. Insulation class F/B. Motors are provided with flying leads.

Part B: Component Type, asynchronous inverter duty motor, series type TM in frame size 111/113 and 138, Class F, rated input: 0- 480Vac, 0 to 87 Hz, 3-ph, output: max. 0.75 kW S1 and 1.0kW S3-40% max. 3.000 rpm. Standard ambient temperature -20 to +40°C.

Part C: Drum motors TM111/113 rated max. 480Vac, 0.55 kW (at 50Hz), max. 5.000 rpm, 25 - 87Hz, max. +50°C.



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Note: Motors can be provided with rubber lagging. The rubber lagging thickness is defined in the report and suitability of the final combination of motor shall be re-evaluated by CSA Group or local authorities having jurisdiction. Final installation shall be according to the standard CSA C22.2 No.0.

**APPLICABLE REQUIREMENTS**

|                       |                         |
|-----------------------|-------------------------|
| CSA C22.2 No.100-14   | - Motors and Generators |
| UL 1004-1 2nd Edition | - Rotating machines     |
| UL1004-8 2nd Edition  | - Inverter Duty Motors  |



## *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**

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| <b>Project</b> | <b>Date</b> | <b>Description</b>   |
|----------------|-------------|--|
| 80042764       | 2020-11-06  | Update to Report 70002234 to cover the update to Part B to add Motors type TM 111/113 for inverter Duty and Part C to add Motors type TM 111/113 for increased ambient of 50°C at reduced power. Additional editorial changes to the report description according to CSA C22.2 No.100-14, UL1004-1 2nd Edition and UL1004-8 2nd Edition. |
| 000070204496   | 2019-03-28  | Update to report 70002234 to cover addition of inverter duty option for model TM 138 and editorial changes to the report according to CSA C22.2 No.100-14, UL1004-1 2nd Edition and UL1004-8 2nd Edition.  |
| 000070002234   | 2016-06-01  | Original cCSAus Certification of 3 phase drum motors series type TM rated 115/200 for 50 Hz or 220-240/380-420Vac, 254-277/440-480Vac for 60Hz, 2 to 8 Poles, Power range from 0.03kW to 2kW. Motor size 60, 82, 111, 138 and 165. Insulation class F/B.   |