



Certificate of Compliance

Certificate: 2611803

Master Contract: 225290

Project: 70195745

Date Issued: September 28, 2018

Issued to: Hitachi Koki Co., Ltd.
1060 Takeda, Hitachinaka-shi
Ibaraki 312-8502, Japan
Attention: Mr. Tatsuya Konno

The products listed below are eligible to bear the CSA Mark shown with adjacent indicators 'C' and 'US' for Canada and US (indicating that products have been manufactured to the requirements of both Canadian and US Standards).



Issued by: 
Massimo De Melis

PRODUCTS

CLASS No. 8721 05 - LABORATORY EQUIPMENT - Electrical

CLASS No. 8721 85 - ELECTRICAL EQUIPMENT FOR LABORATORY USE - Certified to US standards

High-Speed Refrigerated Centrifuge, floor standing, permanently or cord connected, grounded, Models CR21N and CR22N, rated 200, 208, 220, 230 or 240 V, 50 / 60 Hz, 24 A Single-phase.

Notes:

1. The above model is cord connected, Equipment Class I, Pollution Degree 2.
2. Mode of operation: Continuous.
3. Environmental Conditions: Extended: 2 to 40 °C, 2000 m max, 80 % to temperatures up to 31 °C decreasing linearly to 50 % rH at 40 °C.



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APPLICABLE REQUIREMENTS

- CAN/CSA -C22.2 No 61010-1-04 - Safety Requirements for Electrical Equipment for Measurement, Control and Laboratory Use, Part 1: General Requirements
- ANSI/UL Standard 61010-1:2004 - Electrical Measurement and Test Equipment for Measurement Use, Part I: General Requirements.
- CAN/CSA-C22.2 No. 61010-2-20-09 - Safety Requirements for Electrical Equipment for Measurement, Control, and Laboratory Use, Part2-020: Particular Requirements for Laboratory Centrifuges.
- UL 61010-A-2-020:2002 - Standard for Electrical Equipment for Laboratory Use; Part 2: Particular Requirements for Laboratory Centrifuges

CONDITIONS OF ACCEPTABILITY

- (1) Equipment is only to be installed by manufacturer trained personnel.
- (2) Equipment is not to be used with flammable liquids.
- (3) The permanently connected equipment is to be installed by qualified service personnel only in accordance with applicable electrical codes.
- (4) The permanently connected equipment shall be connected to a maximum 30 A rating circuit breaker on the distribution board.



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
70195745 (Ed. 3)	September 28, 2018	Update of report 2611803 to include revision in the list of critical components.
2699956 (Ed.2)	April 28, 2014	Update of report 2611803 to cover alternate construction and change of rating.
2611803 (Ed.1)	September 26, 2013	Original Certification (C/US)