



# Certificate of Compliance

**Certificate:** 1911789 **Master Contract:** 158806  
**Project:** 80230422 **Date Issued:** 2024-10-30  
**Issued to:** Hotstart Inc.  
5723 E Alki  
Spokane, Washington 99212  
United States  
**Attention:** Kimberly Hillman

*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:** Helena Liu  
Helena Liu, P. Eng.

## PRODUCTS

Class 2871 01 HEATERS - Engine Heaters and Battery Warmers  
Class 2871 81 HEATERS - Engine Heaters and Battery Warmers - Certified to US Standards

**Palettized Coolant and lubrication oil heating systems, horizontal, vertical or floor mounting, with circulating pump motor 5 HP max, immersion heater 36 KW max, control circuit 24/120/240 Vac, 1 phase, 50/60 Hz, 3A max.**

Model(s)	Voltage (VAC max)	Frequency (Hz)	Phase
Type COL, OCLP, DLV, CL, OLM, OCLW, OWT, RR, CMM, OMM, CLV, CLRR, CLM, CLP, OLP.	575	50/60	single or three



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**APPLICABLE REQUIREMENTS**

CSA C22.2 No. 191:M89 (Second Edition) - Engine heaters and battery warmers

UL 499 (14th Edition) - UL Standard for Safety Electric Heating Appliances



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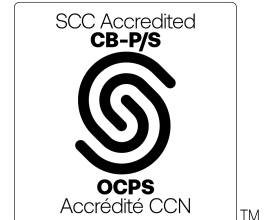
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Notes:

Products certified under Class(es) C287101, C287181 have been certified under CSA's ISO/IEC 17065 accreditation with the Standards Council of Canada (SCC). [www.scc.ca](http://www.scc.ca)





## *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>
80230422	2024-10-30	Update report 1911789 to reflect the correction of the US class on the 8th edition Certificate of Compliance from C287182 to C287181. No class correction in the report.
80175526	2023-07-13	Update report 1911789 to add alternate heating elements and temperature monitoring relays, model CM-TCS.xxx manufactured by ABB, and model EMR6-Txxx, manufactured by Eaton. Add "INT" to the internal wiring. Condition: A follow-up project, NC-002065, has been opened to address the non-compliance findings. If the project NC-002065 is canceled or closed incomplete, a suspension of CSA report 1911789 and the accompanied Certificate of Compliance will be initiated.
70211441	2019-11-15	Update Report 1911789 to include new models CLP, OLP and OCLP; add 240V control to the control voltage
70174160	2018-07-12	Update Report 1911789 to add Models CMM, CLM, DLV, CLV, OMM, OLM, and OCLW and add alternate components for existing models. Price assumes no testing. Additional funds will be required if any testing is deemed necessary.
2398574	2011-05-27	Update Report 1911789 to include US requirements.
2273115	2010-02-09	Update of report 1911789 to correct Class Number in report and C of C
1997093	2008-03-11	Update to report 1911789 to include alternate CSA/UL certified components
1911789	2007-07-05	Revision of report LR7232-51 to correct Class Number