



# Certificate of Compliance

**Certificate:** 70044987                      **Master Contract:** 246217  
**Project:** 80155589                      **Date Issued:** 2024-06-12  
**Issued to:** Pfannenberg Manufacturing LLC  
 68 Ward Road  
 Lancaster, New York 14086  
 United States

**Attention:** Joseph Seiser III

*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 2841 01 HEATERS - Industrial and Laboratory  
Class 2841 81 HEATERS - Industrial and Laboratory - Certified to US Standards

### **Industrial Air Heaters, component**

Model(s)	Rated Voltage (VAC)	Frequency (Hz)	Heating Performance (W)	Dimensions (H x W x D) (mm)	Surrounding Air Temperature (°C)
PFH 200	115 / 230	50/60	200	142 x 88 x 133	40
PFH 300	115 / 230	50/60	300	142 x 88 x 133	40
PFH 400	115 / 230	50/60	400	142 x 88 x 133	40
PFH 500	115 / 230	50/60	500	142 x 88 x 133	40
PFH 650	115 / 230	50/60	650	142 x 88 x 133	40
PFH 800	115 / 230	50/60	800	142 x 88 x 133	40



**Certificate:** 70044987

**Master Contract:** 246217

**Project:** 80155589

**Date Issued:** 2024-06-12

PFH1000	115 / 230	50/60	1000	142 x 88 x 133	40
PFH1200	230	50/60	1200	142 x 88 x 133	40

Notes:

1. PFH optionally followed by T, describes Air Heater provided with thermostat controller -20 to 40°C.
2. This equipment is certified as a component for use in other equipment, where the suitability is determined in the end use by CSA. Some of the features which should be considered in determining the acceptability of this heater in the specific applications are indicated below:
  - a. The heater is intended for use within an enclosure in accordance with UL 508A, the standard for Industrial Control Panels.
  - b. The terminal block for the supply connections has not been evaluated for field wiring. It is suitable for 16-12 AWG.
  - c. Based on installation, the need for additional housing, guards (or the like) or (cautionary) marking shall be evaluated in the end-use.
  - d. The suitable mounting of the product shall be evaluated in the end use.
  - e. Grounding needs to be provided in the end-use.
  - f. The suitability of the fan is evaluated for max 40°C ambient. If used in a panel above 40°C consideration to environmental conditioning should be given.
  - g. These heaters are not intended for use in free air.

**APPLICABLE REQUIREMENTS**

CSA C22.2 NO. 88:19 (Second Edition) - Industrial heating equipment

UL 499 (Fourteenth Edition; Reprint with Revisions Through and Including May 21, 2021) - UL Standard for Safety Electric Heating Appliances



**Certificate:** 70044987

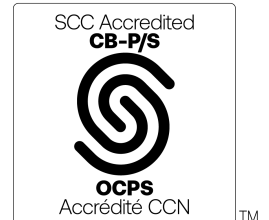
**Master Contract:** 246217

**Project:** 80155589

**Date Issued:** 2024-06-12

Notes:

Products certified under Class(es) C284101 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*

**Certificate:** 70044987

**Master Contract:** 246217

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

### **Product Certification History**

---

<b>Project</b>	<b>Date</b>	<b>Description</b>
80155589	2024-06-12	FIR follow-up, update to Report 70044987 for non-conformance issues noted in (FC# 246233) FIR dated March 28,, 2022, alternate components. Update report to comply with CSA Certification Notices: Appliances No. 67 and 80.
70217947	2019-04-16	Update to report to make corrections to the Fan Type in item 9 and update to C22.2 No. 88-1958 (R2017)
70044987	2016-01-08	Original Certification of Industrial Air Heater Models PFH 200, PFH 300, PFH 400, PFH 500, PFH 650, PFH 800, PFH 1000, and PFH 1200, with PFH optionally followed by T.