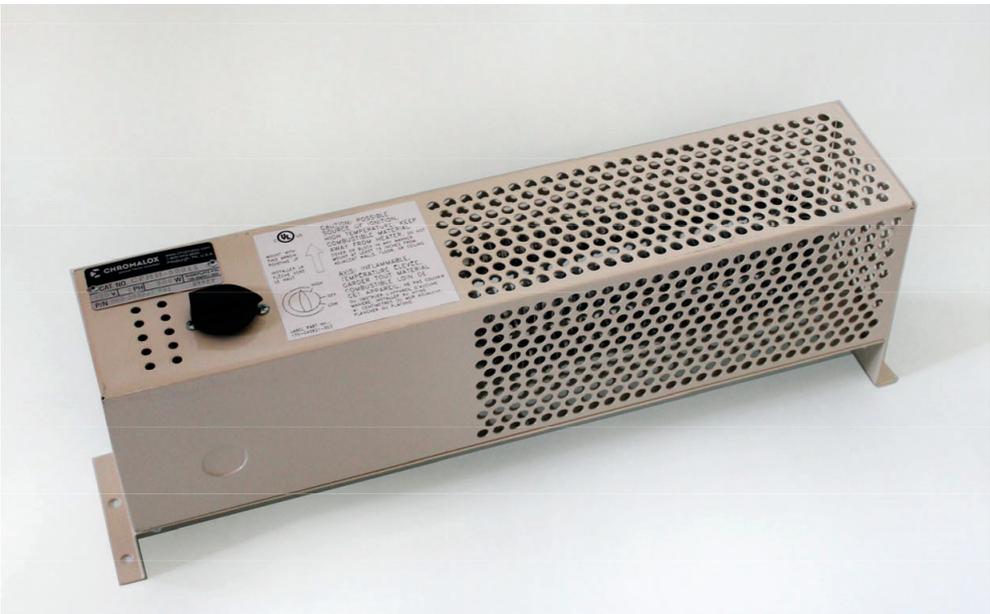


Installation Instructions

CPHH Pump House Heater



PF477-3
161-562516-001
July 2020

CPHH Pump House Heater

Installation Instructions

Introduction

This document contains safety, installation, operation, maintenance, and troubleshooting information for model CPHH unit heaters. Always check www.chromalox.com to ensure you have the latest revision of this document. Revision date is listed on the cover page.

Read this First

⚠ WARNING

Read this document in full prior to installation and commissioning as it contain important safety and warning information that can prevent injury, death, and damage to property. This heater is not intended for use in hazardous atmospheres where flammable vapors, gases, liquids or other combustible atmospheres are present as defined in the National Electrical Code. Failure to comply can result in explosion or fire.

⚠ WARNING

HAZARD OF ELECTRIC SHOCK. Disconnect all power before installing heater. Hazard of Electric Shock. Any installation involving electric heaters must be effectively grounded in accordance with the National Electrical Code.

Hot Surfaces

During operation, surfaces of the heater may become hot and pose a potential burn risk. Prior to inspecting or servicing wait until surfaces have cooled below 40°C.

Qualified Personnel

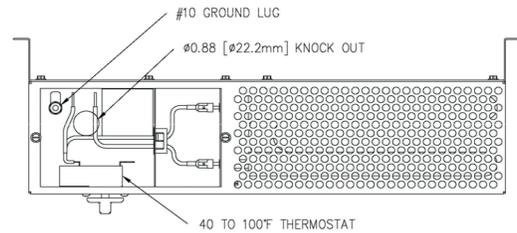
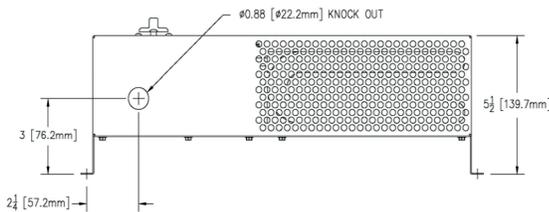
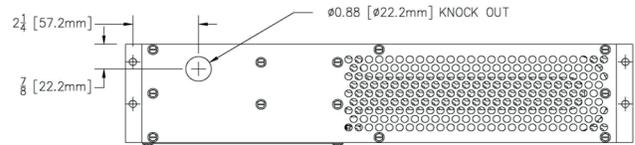
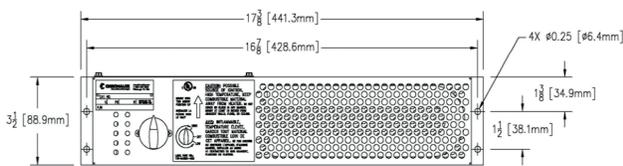
Installation and servicing should be performed by qualified personnel only. Qualified personnel should be familiar with electrical installations.

Specifications and Product Identification

Operating Performance

Model	Volts	Watts	Amps	BTUH	Weight (lbs)	Stock	PCN
CPHH-50011	120	500	4.2	1707	5	S	350190
CPHH-50031	208	375	1.8	1280	5	S	350203
CPHH-50031	240	500	2.1	1707	5	S	350203

Mounting Dimensions



Maintenance and Repair

1. Disconnect heater and if recently energized wait for surfaces to cool before performing maintenance and repair.
2. Ensure unit is free of dust and debris.
3. Vacuum with standard attachments can be used to clean.
4. Do not block air flow in any way with drapes, rugs or other objects.
5. See Table for troubleshooting instructions.
6. For replacement parts, please contact Chromalox.

Troubleshooting

Condition	Probable Cause	Corrective Action
Unit is not putting out heat	Thermostat is set incorrectly	Turn thermostat knob in clockwise direction and listen for clicking sound.
	Thermostat is defective	Contact Chromalox for replacement parts.
	Heating element short circuit	Contact Chromalox for replacement parts.
Circuit breaker or ground fault trips	Short in wiring	Check connection within wiring compartment. Isolate circuits.
	Short in element	Check continuity and resistance by disconnecting heater and thermostat and connecting multimeter directly to wires connection
	Moisture in element	Check element resistance

Installation

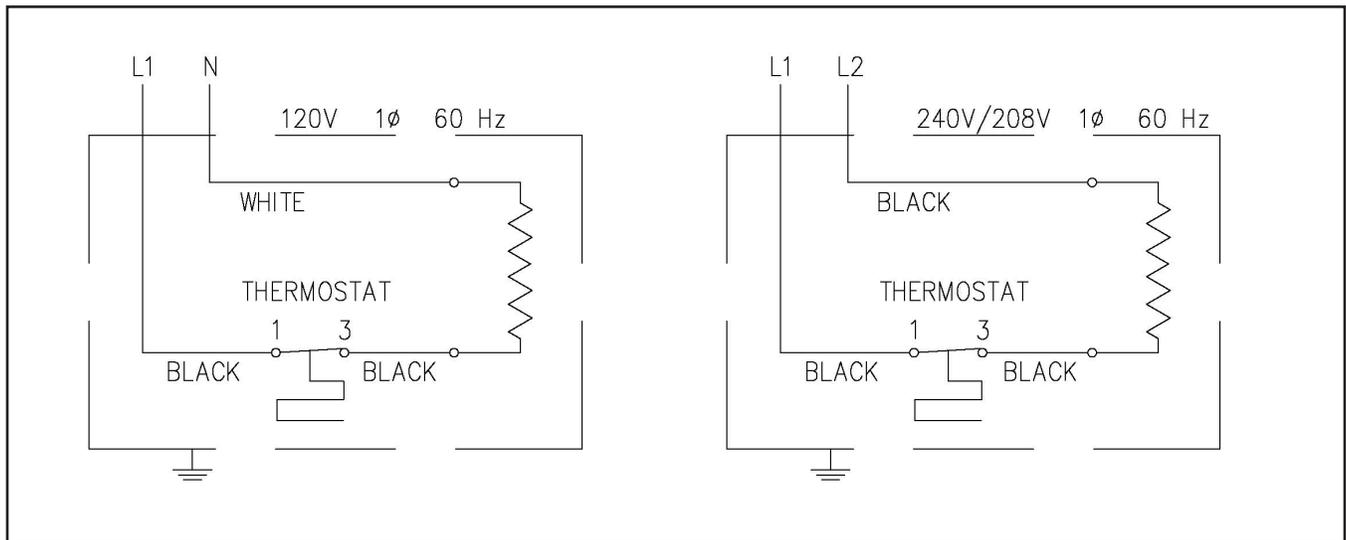
Mounting

1. Do not cover or block in any manner.
2. Orient heater according to nameplate.
3. Mount at least 16 inches (406mm) from adjacent services.
4. Unit must be mounted using four (4) x 1/4" mounting holes showed in figure 1.
5. Ensure fasteners can support entire weight of heater and any additional weight caused by wiring and conduit.
6. Unit is equipped with two (2) x 7/8" conduit knock-outs. Use approved conduit connections when connecting wires.

Wiring

1. Check that the electrical service is the same on the nameplate.
2. Use only copper conductors with a minimum temperature rating of 90°C.
3. Wire per appropriate wiring diagram below, connecting ground wire to green ground screw.
4. On 120V units, the thermostats must be in the hot line.
5. Replace connection box cover.

Figure 1



Limited Warranty:

Please refer to the Chromalox limited warranty applicable to this product at http://www.chromalox.com/customer-service/policies/terms_of_sale.aspx.

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