

## BASIC DATA

Model Number	Full Input in (BTUH)	Flue Dia.	Bypass Options		
			H-Style Bypass	None (Field-Supplied)	CWR
P-504A	500,000	8"	STD	Yes	Yes
P-754A	750,000	10"	STD	Yes	Yes
P-1104A	1,045,000	10"	STD	Yes	Yes
P-1504A	1,500,000	12"	STD	Yes	Yes
P-2004A	1,999,000	14"	STD	Yes	Yes

## Features:

- 85% Thermal Efficiency at Full Rate.
  - Negative vent pressure, Non-condensing Appliance. Cat I Vent Required.
  - Bronze headers with Cupro-Nickel finned tube heat exchanger standard. ASME Section IV constructed and stamped, National Board registered.
  - CSA Low-Lead certified, less than 0.25% Lead.
  - Certified to ANSI Z21.56.
  - Minimum Continuous Inlet Water Temperature: 50°F.
  - Maximum Setpoint: 106°F.
  - On/Off Operation with Soft Start.
  - VERSA IC® Control Package with LCD Display.
  - Status Display Lights.
  - Cascade control of up to 4 units, no external sequencer required.
  - Diagnostics Center with History, English, no codes.
  - Modbus RTU BMS port (RS485).
  - 0-10 VDC BMS Interface (Setpoint or Direct Drive).
  - All models indoor/outdoor construction.
  - Certified under SCAQMD Rule 1146.2. Meets all Low NOx regulations.
  - Engineered with precisely matched system components.
  - Smallest installed footprint (5.4 square feet) design fits tight spaces and easily replaces larger boilers.
  - 100% Factory Fire Tested.
  - Complete cabinet protects all controls and wiring. Tough, rust-resistant powder-coat finish.
  - Suitable for altitudes up to 10,000 ft. (derate above 2,000 ft.).
  - No boiler condensate drain required (proprietary design)
  - Available for natural gas or propane.
  - Integral Combustion Air Filter (MERV8).
  - Multiple Pump Outputs – Boiler Pump, System Pump.
  - Whisper-Quiet Operation.
  - Proudly Assembled in the USA.
- Bypass Options:
- The standard external bypass uses a user adjustable valve to adjust bypass flow and achieve cold-water protection.

- All units available without an external bypass (cold-water protection provided in the field).
- The Cold-Water Run option provides electronic control of a variable-speed pump to continuously adjust bypass flow, achieving real-time cold-water protection.

Options:

- BACNet IP, BACnet MS/TP, Modbus TCP, N2 Metasys (B-85)
- Lonworks (B-86)
- Alarm with 4" Bell (E-5)
- Low Water Cutoff (F-10)
- Cold Water Run
- Condensate Neutralizer (Z-12)