



Report of Materials and Equipment Acceptance Division

NYC Department of Buildings
280 Broadway, New York, NY 10007
Patricia Lancaster, FAIA, Commissioner
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Pursuant to Administrative Code Section 27-131, the following equipment or material has been found acceptable for use subject to the terms and conditions contained herein.

MEA 136-03-E Vol. II

Manufacturer: Laars Heating Systems Co., 20 Industrial Way, Rochester, NH 03867.

Trade Name(s): Pennant.

Product: Direct vent, hot water boilers.

Pertinent Code Section(s): 27-800, 27-824, 27-886, RS 14-2 (ANSI Z223.1).

Prescribed Test(s): RS 14-6 (ANSI Z21.13).

Laboratory: CSA International.

Test Report(s): CSA File 1379006 dated April 15, 2003 and August 6, 2004.

Description: Gas-Fired Hot Water Boiler assembly designed for indoor or outdoor installation. Boiler consists of a forced draft blower(s), stainless steel burners and copper finned tube heat exchanger assembly. Boilers are provided with a hot surface electronic ignition systems(s) and combination safety/gas pressure regulating control valves. Boilers are designed as a sealed combustion system that has an exhaust that may be vented either horizontally through a sidewall or vertically through a roof. Boilers provided with a combustion air filtration system on the inlet that may be ducted to a fresh air source. Boilers provided with staging controls to reduce input at lower loads. Pool heaters are one stage with reduced rate startup on models PNCP1250N – PNCP2000N. Hot water controls, except pool heater, include a water temperature-limiting device with maximum settings of 210°F or 240°F and an ASME rated pressure relief valve. Pool heater

water temperature-limiting device maximum setting is 135°F. Units with model numbers and input heating rating are listed below.

Model Number	Input Heating Rating (BTU/Hr.)
PNCH0500N, PNCV0500N, PNCP0500N	500,000
PNCH0750N, PNCV0750N, PNCP0750N	750,000
PNCH1000N, PNCV1000N, PNCP1000N	999,000
PNCH1250N, PNCV1250N, PNCP1250N	1,250,000
PNCH1500N, PNCV1500N, PNCP1500N	1,500,000
PNCH1750N, PNCV1750N, PNCP1750N	1,750,000
PNCH2000N, PNCV2000N, PNCP2000N	1,999,000

Notes: 1. Models PNCH are Hot Water Heating Boilers. Models PNCV are Circulating Tank Water Heaters. Models PNCP are Pool Heating Boilers.

CLEARANCE/INSTALLATION

For Installation on combustible floors:

	Indoor	Outdoor
Left Side	1 inch	36 inches
Right Side	1 inch	36 inches
Rear	1 inch	12 inches
Front	1 inch	24 inches
Top	1 inch	Unobstructed
Vent	3 inches	--

Direct vent (Sealed Combustion) or Common installation

Maximum: 81 equivalent feet for inlet
81 equivalent feet for outlet

Subtract 10 feet of vent pipe length for every 90° elbow installed.
Safe-T vent.

Terms and Conditions: That the above described gas fired hot water boilers, constructed in accordance with the ASME Code and installed as per clearances to combustible construction specified above, be accepted for use with natural gas only, when connected to compatible approved gas vent in accordance with Article 15 of Building Code and Section 27-886. This acceptance in no way includes the external piping, connections, and appurtenances thereto, which are required to fully conform with applicable provisions of law, but have been tested in conjunction with this application. Approval of all electrical equipment, apparatus, materials and devices shall be obtained from the Department before installation.

All shipments and deliveries of such equipment shall be provided with a metal tag, suitably placed, certifying that the equipment shipped or delivered is equivalent to those tested and accepted for use, as provided for in Section 27-131 of the Building Code.

Final Acceptance January 6, 2006
Examined By Jim Derkhuber