



NYC Department of Buildings
280 Broadway, New York, NY 10007
Patricia Lancaster, FAIA, Commissioner
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Report of Materials and Equipment Acceptance Division

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 106-00-E Vol. 3

Manufacturer: Laars Heating Systems Company, a subsidiary of Bradford White Corporation, 20 Industrial Way, Rochester, New Hampshire 03867

Trade Name(s): Mighty Therm, NATCO Fire Coil, Pentair, MegaTherm

Product: Hot water heating and supply boilers

Pertinent Code Section(s): 27-800, 27-824, 27-826, 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 1729464 dated May 30, 2006
CSA File 1729479 dated November 3, 2005

Description: Gas-fired, hot water heating or supply boiler or pool heater assemblies designed for indoor or outdoor installation. Assemblies consist of stainless steel burners, copper finned tube heat exchanger assembly; intermittent ignition system comprising of a pilot burner with electrode flame sensor, ignition module and combination safety/gas pressure-regulating control valves. Appliances are designed as Category I. Hot water controls include a water temperature-limiting device with maximum settings of 135°F for AP and PM Models, 210°F for VW, PW, IW models or 240°F for HH, PH models and an ASME-rated pressure-relief valve. Units, with model numbers and input heating ratings, are listed on the following page.

<u>Model Number</u>	<u>Input Heating Rating (BTU/Hr.)</u>
500	500,000
600	600,000
715	715,000
850	850,000
1010	1,010,000
1200	1,200,000
1430	1,430,000
1670	1,670,000
1825	1,825,000
2000	2,000,000
2450	2,450,000
3050	3,050,000
3500	3,500,000
4050	4,050,000
4500	4,500,000
5000	5,000,000

Note: Model numbers may have one of the following prefixes: HH, PH – hot water heating boiler, VW, PW, IW – hot water supply boiler, AP, MT – pool heating boiler and suffixes: I – indoor (with built-in diverter), E – outdoor installation models 500 – 1825, models 2000 – 5000 (with conversion kit).

Terms and Conditions: The above-described gas-fired hot water boilers are accepted for use under the following conditions:

1. Boilers shall be constructed in accordance with RS 14-4 (ASME Code).
2. Boilers shall be installed on non-combustible flooring with minimum installed clearances from combustible construction as follows:

	<u>Models 500 - 1825</u>	<u>Models 2000 - 5000</u>
Piping Side	12 inches	24 inches
Opposite Side	6 inches	24 inches
Rear	8 inches	24 inches
Front	Alcove	24 inches
Top	30 inches	24 inches
Flue, Vent Connector	6 inches	6 inches

3. Boilers shall be fired by natural gas only.
4. Boilers shall be connected to compatible approved gas-vent or chimney in accordance with Subchapter 15 of the New York City Building Code.
5. This acceptance in no way includes the external piping, connections and appurtenances thereto, which have been tested in conjunction with this application and are required to fully conform to applicable provisions of the law. This acceptance does not include any vent damper device which may be added to the installation.

6. Approval of all electrical equipment apparatus, materials and devices shall be obtained from the Department's Electrical Advisory Board before installation.
7. Units shall be used in compliance with the Energy Conservation Construction Code of New York State.
8. 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 that tested and acceptable for use, as provided in Section 27-131 of the New York City Building Code.

Note: In accordance with Section 27-131(d), all materials tested and accepted for use shall be subject to periodic retesting as determined by the Commissioner; and any material which upon retesting is found not to comply with Code requirements or the requirements set forth in the approval of the Commissioner shall cease to be acceptable for the use intended. During the period for such retesting, the Commissioner may require the use of such material to be restricted or discontinued if necessary to secure safety.

Final Acceptance June 29, 2007

Examined By Simon Derkshidan