



Report of Materials and Equipment Acceptance Division

NYC Department of Buildings
280 Broadway, New York, NY 10007
Patricia Lancaster, FAIA, Commissioner
(212) 566-5000, TTY: (212) 566-4769

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 29-08-E

Manufacturer: Lochinvar Corporation, 300 Maddox Simpson Parkway, Lebanon, Tennessee 37090

Trade Name(s): Knight XL

Product: Gas -fired hot water boilers
MEA Index #60 – 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 189136-1686 dated January 18, 2008.

Description: Gas-fired hot water boilers, **KBN XL** series, designed for indoor installation only. Unit is comprised of stainless steel heat exchanger, stainless steel burner with woven steel mesh, a hot surface ignition system comprising of a flame sensor, igniter, ignition module and combination gas valves with built-in pressure regulator and ASME relief valve. Unit is provided with a hot water-limit control with setting at 230°F, maximum. Units, with model numbers and input heating rates, are listed below:

Model No	Input Heating Rate (Btu/hr)
KB(N,L)600	600,000
KB(N,L)700	700,000
KB(N,L)800	800,000

Terms and Conditions: The above gas-fired, direct-vent hot water boiler assemblies are accepted on condition that:

- 1) Boilers are to be constructed in accordance with the ASME Code, per RS 14-4.
- 2) Units are approved for installation on combustible flooring. Minimum clearances from combustible construction shall be as follows:

Top:	13 inches (24 inches for service)
Front:	18 inches alcove/6 inches closet (24 inches for service)
Flue:	1 inch in all directions
Left side:	12 inches (24 inches suggested for service)
Right side:	0 inches
Back:	14 inches
- 3) Units shall be fired with natural gas only.
- 4) Approved gas vent shall be in accordance with Subchapter 15 of the New York City Building Code.
- 5) This acceptance in no way includes the external piping, connection and appurtenances thereto, which are required to fully conform to applicable provisions of the law but have been tested in conjunction with this application.
- 6) Approval of all electrical equipment, apparatus, materials and devices shall be obtained from the Department's Electrical Advisory Board.
- 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 accepted for use, as provided in Section 27-131 of 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 April 9, 2008

Examined By Simon Derkhotam