



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 324-05-E

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

Trade Name(s): Lochinvar, Knight.

Product: Gas water heater.

Pertinent Code Section(s): 27-800, 27-886, P107.26, RS 14-2 (ANSI Z223.1).

Prescribed Test(s): RS 14-6 (ANSI Z21.10.3).

Laboratory: CSA International

Test Report(s): CSA 189136-1686154 dated September 9, 2005.

Description – Gas fired water heater, KWN Series, designed for indoor installation only. Unit comprises stainless steel heat exchanger, stainless steel burner with woven steel mesh, a hot surface ignition system comprising flame sensor, igniter, ignition module and combination gas valves with built-in pressure regulator and ASME relief valve. Units are provided with hot water limit control with setting at 200 degrees, Fahrenheit, maximum. Units with model numbers and input heating rates are listed below:

Model No.	Input Heating Rate BTUH
KWN080	80,000
KWN105	105,000
KWN150	150,000
KWN199	199,000
KWN285	285,000
KWN399	399,000
KWN500	500,000

- Notes: 1. Units are approved for installation on combustible flooring. Minimum clearances from combustible construction shall be follows: top – 13 inches (24 inches suggested for service), front – 18 inches, alcove/ 6 inches closet (24 inches suggested for service), flue – 1 inch in all directions, left side – 12 inches (24 inches suggested for service), right side – 0, back – 14 inches.
2. Units may be installed for direct venting and is restricted to a maximum 100 feet of equivalent vent/air pipe. Each elbow is equal to 5 feet of straight pipe.

Terms and Conditions: That the above described hot water heater be accepted, when fired by natural gas only, under the following conditions.

1. Automatic ASME listed temperature and pressure relief valve, properly sized for heater and MEA accepted, and operating temperature limit control, shall be furnished for heater installation.
2. Heaters shall not be installed in any enclosed space with a volume of less than 100 cubic feet.
3. 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 for in Section 27-131 of the Building Code.
4. Approval If all electrical equipment, apparatus, materials and devices shall be obtained from the Department before installation.
5. Water heaters shall not be operated until installation is approved for such operation by the Gas Company and the model has been approved by the Gas Appliance Approval Committee of the New York City Department of Health.

Final Acceptance March 3, 2006

Examined by Sian Dorshudam