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 417-06-E

Manufacturer: Raypak Inc., 2151 Eastman Avenue, Oxnard, CA 93030

Trade Name(s): MVB Raypak

Product: Gas-fired hot water boilers

Pertinent Code Section(s): 27-800, 27-824, 27-826, 27-886, RS 14-2 (ANSI Z 223.1)

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

Laboratory: CSA International

Test Report(s): CSA 189406-1784095, dated June 7, 2006

Description: Gas-fired, hot water assembly, MVB series, is operated on natural gas, for use as hydronic unit. The boilers are comprised of vertical cylindrical multi-pass design copper-finned-tube heat exchanger assembly, fire box steel tube sheet, bronze headers, main burner powered by a combustion air blower with pre-purge operation, low NOx emissions, ignition module in conjunction with a hot surface igniter and flame sensor, adjustable temperature controller, manual reset safety high limit, air pressure switches, high- and low-gas-pressure switches, water flow switch, temperature and pressure gauge, ASME pressure relief valve rated at 125 PSI, and other pertinent controls. Units with model numbers and input heating ratings are listed below:

Model Number	Minimum Input BTUH	Maximum Input BTUH
H7-0503	**125,000**	**500,000**
H7-0753	**187,500**	**750,000**
H7-1003	**250,000**	**999,000**
H7-1253	**312,500**	**1,250,000**
H7-1503	**375,500**	**1,500,000**
H7-1753	**437,500**	**1,750,000**
H7-2003	**500,000**	**1,999,000**

Notes:

1. Units may be equipped with vent termination for direct-vent through-the-wall installations.
2. Units may use direct-vent system (sealed combustion) for intake and exhaust connection with the following conditions:

   Direct-vent (sealed combustion) or common installation: Maximum 45 feet for inlet, 75 feet for outlet. Subtract 10 feet of vent pipe length for every elbow to be installed (max. 3 elbows for each inlet and outlet) and 1 elbow or box termination.
3. Units can be installed on combustible flooring. Minimum installed clearances to combustible construction shall be as follows:

   Top-1"; Front-1"; Back-1"; Left Side-1"; Right Side -1" (water side); flue or vent connector-1".

Terms and Conditions: 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, are accepted for use on the following conditions:

1. Units shall be fired with natural gas only.
2. Approved gas vent shall be in accordance with Article 15 of the Building Code and Section 27-886.
3. The acceptance in no way includes the external piping, connection and appurtenances thereto, which are required to fully conform to applicable provisions of law, but have been tested in conjunction with this application.
4. Approval of all electrical equipment, apparatus, materials and devices shall be obtained from the Department's Electrical Advisory Board before installation.
5. 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.
6. Units shall be used in compliance with the Energy Conservation Construction Code of New York State.

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 August 17, 2006

Examined By Sean Derkhodan