



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 437-06-E

Manufacturer: Aerco International, Inc., 159 Paris Avenue, Northvale, N.J. 07647

Trade Name(s): Modulex

Product: Low-pressure, gas-fired, condensing hot water boiler

Pertinent Code Section(s): 27-800, 27-824, 27-826, 27-886
RS 14-2 (ANSI Z223.1)

Prescribed Test(s): RS14-6 (Z21.13)

Laboratory: CSA-International

Test Report(s): CSA Report No. 1760553, dated August 9, 2005

Description: MODULEX is a compact, gas-fired, low-NOx, condensing boiler made up by one sectional boiler body (so called heat module), set to operate separately or in cascade. This heat module consists of two or more thermal elements (from 2 to 7), which cannot be separated from each other, being under the same protecting casing. These thermal elements are connected to a single exhaust manifold and are controlled by a single microprocessor which manages the temperatures from the point of view, both operational and safety. Units, with model numbers, input and output ratings, are listed below:

Model No.	Input Rating (BTUH)	Output Rating (BTUH)
MLX-303	Max. 303,000	279,000
	Min. 41,000	
MLX-454	Max. 454,000	418,000
	Min. 41,000	
MLX-606	Max. 606,000	558,000
	Min. 41,000	
MLX-757	Max. 757,000	696,000
	Min. 41,000	

MLX-909	Max. 909,000 Min. 41,000	835,000
MLX-1060	Max. 1,060,000 Min. 41,000	975,000

Note: Units may be installed on combustible flooring. Minimum installed clearances from combustible construction shall be as follows:

	Under 400,000 BTUH	Over 400,000 BTUH	Service Clearance (In.)
Top	0	24	24
Front	0	24	24
Left side	0	24	24
Right side	0	24	24
Rear	0	24	24
Flue Connector	0	24	24

Terms and Conditions: The above-described gas-fired, condensing hot water boilers shall be approved with the following conditions:

1. Boilers are to be constructed in accordance with the ASME Code.
2. Units shall be installed as per clearances to combustible construction specified above.
3. Units shall be fired with natural gas only.
4. Approved gas vent shall be in accordance with Article 15 of the New York City Building Code and Section 27-886.
5. This 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.
6. Approval of all electrical equipment, apparatus, materials and devices shall be obtained from the Department before installation.
7. 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 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 November 23, 2006
 Examined By Simon Derkshuda