



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 103-07-E

Manufacturer: Riverside Hydronics, LLC, 990 Haltom Road, Fort Worth, TX 76117

Trade Name(s): EMX, EMXO, EMXGO, EMXS, EMXL, EPG

Product: Packaged boilers

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

Prescribed Test(s): RS 14-6 (UL 726, UL 795, UL 2096)

Laboratory: Underwriters Laboratories, Inc.

Test Report(s): UL File MH20500, dated December 27, 2006, and revised March 13, 2007

Description: Gas, oil, and combination gas-oil fired hot water boiler assemblies, models WB. Model designation shall include prefix numbers or letters and suffix numbers or letters to make a complete model designation.

These are automatically operated boiler assemblies equipped with a Listed or R/C gas, oil, or gas-oil burner. The boiler assemblies are intended primarily for commercial and industrial use. The devices may be used as hot water (250°F and 150 or 160 PSIG max depending on model) boilers, as marked on the pressure vessel.

The pressure vessel is constructed, inspected, tested, and marked to conform with the ASME Boiler and Pressure Vessel Code for the design working pressure of the vessel.

The boilers are equipped with limit and operating controls to shut down the burner in the event of excessive water temperature and a low water cutoff to prevent firing with insufficient water in the pressure vessel. The boilers are suitable for firing oil not heavier than ASTM D396 No. 2, and natural gas, except that boilers marked for outdoor installation are not equipped for oil firing. The gas, oil, and gas-oil burners are of the forced draft type and may be of the on/off, low/high/low, or full modulating type.

Trade Name	Model Number	Fuel Input Rate	
		Gas, BTU/Hr	#2 Oil, GPH
EMX	3 WB 90A-MXG	140,000	N/A
EMX	4 WB 90A-MXG	199,000	N/A
EMX	6 WB 90A-MXG	270,000	N/A
EMX	10 WB 90A-MXG	400,000	N/A
EMX	13 WB 90A-MXG	540,000	N/A
EMX	4 WB 119A-MXG	199,000	N/A
EMX	3 WB 125A-MXG	140,000	N/A
EMX	4 WB 125A-MXG	199,000	N/A
EMX	6 WB 125A-MXG	270,000	N/A
EMX	10 WB 125A-MXG	400,000	N/A
EMX	13 WB 125A-MXG	540,000	N/A
EMX	18 WB 125A-MXG	720,000	N/A
EMX	20 WB 125A-MXG	800,000	N/A
EMX	4 WB 250A-MXG	199,000	N/A
EMX	6 WB 250A-MXG	270,000	N/A
EMX	10 WB 250A-MXG	400,000	N/A
EMX	13 WB 250A-MXG	540,000	N/A
EMX	18 WB 250A-MXG	720,000	N/A
EMX	20 WB 250A-MXG	800,000	N/A
EMX	25 WB 250A-MXG	1,000,000	N/A
EMX	29 WB 250A-MXG	1,200,000	N/A
EMX	34 WB 250A-MXG	1,400,000	N/A
EMXO	3 WB 90A-MXO	N/A	1.0
EMXO	4 WB 90A-MXO	N/A	1.4
EMXO	6 WB 90A-MXO	N/A	2.0
EMXO	10 WB 90A-MXO	N/A	2.8
EMXO	13 WB 90A-MXO	N/A	3.8
EMXO	3 WB 125A-MXO	N/A	1.0
EMXO	4 WB 125A-MXO	N/A	1.4
EMXO	6 WB 125A-MXO	N/A	2.0
EMXO	10 WB 125A-MXO	N/A	2.8
EMXO	13 WB 125A-MXO	N/A	3.8
EMXO	18 WB 125A-MXO	N/A	5.0
EMXO	4 WB 250A-MXO	N/A	1.4
EMXO	6 WB 250A-MXO	N/A	2.0
EMXO	10 WB 250A-MXO	N/A	2.8
EMXO	13 WB 250A-MXO	N/A	3.8
EMXO	18 WB 250A-MXO	N/A	5.0
EMXO	25 WB 250A-MXO	N/A	7.1
EMXO	29 WB 250A-MXO	N/A	9.0
EMXO	34 WB 250A-MXO	N/A	10.0

Trade Name	Model Number	Fuel Input Rate	
		Gas, BTU/Hr	#2 Oil, GPH
EMXGO	10 WB 90A-MXGO	400,000	2.8
EMXGO	13 WB 90A-MXGO	540,000	3.8
EMXGO	10 WB 125A-MXGO	400,000	2.8
EMXGO	13 WB 125A-MXGO	540,000	3.8
EMXGO	18 WB 125A-MXGO	720,000	5.0
EMXGO	10 WB 250A-MXGO	400,000	2.8
EMXGO	13 WB 250A-MXGO	540,000	3.8
EMXGO	18 WB 250A-MXGO	720,000	5.0
EMXGO	25 WB 250A-MXGO	800,000	7.1
EMXGO	29 WB 250A-MXGO	1,000,000	9.0
EMXGO	34 WB 250A-MXGO	1,200,000	10.0
EMXS	4 WB 119A-MXS	199,000	N/A
EMXS	4 WB 125A-MXS	199,000	N/A
EMXS	6 WB 125A-MXS	270,000	N/A
EMXS	10 WB 125A-MXS	400,000	N/A
EMXS	4 WB 250A-MXS	199,000	N/A
EMXS	6 WB 250A-MXS	270,000	N/A
EMXS	10 WB 250A-MXS	400,000	N/A
EMXL	6 WB 125A-MXL	270,000	N/A
EMXL	10 WB 125A-MXL	400,000	N/A
EMXL	6 WB 250A-MXL	270,000	N/A
EMXL	10 WB 250A-MXL	400,000	N/A
EMXL	13 WB 250A-MXL	540,000	N/A
EMXL	15 WB 250A-MXL	650,000	N/A
EPG	4 WB 119A-PG	199,000	N/A
EPG	4 WB 125A-PG	199,000	N/A
EPG	6 WB 125A-PG	270,000	N/A
EPG	10 WB 125A-PG	400,000	N/A
EPG	4 WB 250A-PG	199,000	N/A
EPG	6 WB 250A-PG	270,000	N/A
EPG	10 WB 250A-PG	400,000	N/A

Terms and Conditions: The above-described packaged boilers are accepted for use with the following conditions:

1. Boilers shall be installed on non-combustible flooring. Minimum installed clearances shall be in accordance with RS 14-15 of the New York City Building Code.
2. Boilers shall be constructed in accordance with RS 14-4, the ASME Code, and installed as per clearances to combustible construction specified above.
3. Boilers shall be fired by natural gas or oil as specified above, only.
4. Boilers shall be connected to compatible approved gas or oil-vent or chimney in accordance with Subchapter 15 of the New York City Building Code and Section 27-886.
5. This acceptance in no way includes the external piping, connections and appurtenances thereto, which are required to fully conform with applicable provisions of the law, but have been tested in conjunction with this application, nor does it include any vent damper 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. 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 13, 2007

Examined By Simon DerPhodan