



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 206-07-E

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

Trade Name(s): RHT, RHTO, RHTGO

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)

Laboratory: Underwriters Laboratories, Inc.

Test Report(s): UL File MH20500, dated March 13, 2007.

Description: Gas, oil, and combination gas-oil fired hot water, high-pressure steam, and low-pressure steam boiler assemblies, models WB for water boilers or SB for steam boilers. 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 low pressure steam (15 PSIG max), high pressure steam (150 PSIG max), or hot water (250°F and 160 PSIG max) boilers, as marked on the pressure vessel. The high and low pressure steam boilers have a steam dome integral with the pressure vessel. The pressure vessel is constructed, inspected, tested, and marked to conform to 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 or steam pressure, 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. 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
RHT	2 *HE **A-TP	100,000	N/A
RHT	5*HE **A-TP	200,000	N/A
RHT	7*HE **A-TP	300,000	N/A
RHT	10*HE **A-TP	400,000	N/A
RHT	12*HE **A-TP	500,000	N/A
RHT	14*HE **A-TP	600,000	N/A
RHT	15*HE **A-TP	600,000	N/A
RHT	17*HE **A-TP	700,000	N/A
RHT	20*HE **A-TP	800,000	N/A
RHT	25*HE **A-TP	1,000,000	N/A
RHT	30*HE **A-TP	1,200,000	N/A
RHT	35*HE **A-TP	1,400,000	N/A
RHT	40*HE **A-TP	1,600,000	N/A
RHT	50*HE **A-TP	2,000,000	N/A
RHT	60*HE **A-TP	2,500,000	N/A
RHT	80*HE **A-TP	3,348,000	N/A
RHT	100*HE **A-TP	4,148,000	N/A
RHT	120*HE **A-TP	5,000,000	N/A
RHT	125*HE **A-TP	5,000,000	N/A
RHT	140*HE **A-TP	5,858,000	N/A
RHT	150*HE **A-TP	6,000,000	N/A
RHT	160*HE **A-TP	6,695,000	N/A
RHT	180*HE **A-TP	7,532,000	N/A
RHT	200*HE **A-TP	8,400,000	N/A
RHTO	2 *HE **A-TP	N/A	0.71
RHTO	5*HE **A-TP	N/A	1.5
RHTO	7*HE **A-TP	N/A	2.1
RHTO	10*HE **A-TP	N/A	2.8
RHTO	12*HE **A-TP	N/A	3.5
RHTO	14*HE **A-TP	N/A	4.2
RHTO	15*HE **A-TP	N/A	4.3
RHTO	17*HE **A-TP	N/A	5.0
RHTO	20*HE **A-TP	N/A	5.7
RHTO	25*HE **A-TP	N/A	7.1
RHTO	30*HE **A-TP	N/A	8.6
RHTO	35*HE **A-TP	N/A	10.0
RHTO	40*HE **A-TP	N/A	11.4
RHTO	50*HE **A-TP	N/A	14.2
RHTO	60*HE **A-TP	N/A	17.8
RHTO	80*HE **A-TP	N/A	24.0
RHTO	100*HE **A-TP	N/A	30.0
RHTO	120*HE **A-TP	N/A	35.7
RHTO	125*HE **A-TP	N/A	35.7

Trade Name	Model Number	Fuel Input Rate	
		Gas, BTU/Hr	#2 Oil, GPH
RHTO	140*HE **A-TP	N/A	41.8
RHTO	150*HE **A-TP	N/A	42.9
RHTO	160*HE **A-TP	N/A	47.8
RHTO	180*HE **A-TP	N/A	53.8
RHTO	200*HE **A-TP	N/A	57.0
RHTGO	15*HE **A-TP	600,000	4.3
RHTGO	20*HE **A-TP	800,000	5.7
RHTGO	25*HE **A-TP	1,000,000	7.1
RHTGO	30*HE **A-TP	1,200,000	8.6
RHTGO	40*HE **A-TP	1,600,000	11.4
RHTGO	50*HE **A-TP	2,000,000	14.2
RHTGO	60*HE **A-TP	2,400,000	17.1
RHTGO	80*HE **A-TP	3,200,000	22.8
RHTGO	100*HE **A-TP	4,000,000	28.6
RHTGO	125*HE **A-TP	5,000,000	35.7
RHTGO	150*HE **A-TP	6,000,000	42.9

Note: For RHT, RHTO, and RHTGO models, the asterisk (*) can be either WB for water boiler or SB for steam boiler.

** indicates tank size in gallons.

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 July 3, 2007

Examined By Siun Derphidam