



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 285-02-E Vol. 4

Manufacturer: AESYS Technologies, LLC, 693 North Hills Road, York, PA 17402

Trade Name(s): York-Shipley Global Series 500L Boilers

Product: Packaged combination gas- and/or oil-fired boiler assemblies

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

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

Laboratory: Hydronics Institute

Test Report(s): File 65L-268, dated June 20, 2003 and Hydronics letter, dated June 20, 2003; File 65L-269, dated August 29, 2003 and Hydronics letter, dated August 29, 2003; File 65L-270, dated April 30, 2004 and Hydronics letter dated April 30, 2004; File 65L-273, dated September 15, 2006 and Hydronics letter, dated September 15, 2006.

Description: Packaged, boiler only and/or field-erected forced-draft gas, oil and/or combination gas/oil fired boilers consist of three pass horizontal water-backed Scotch Marine Type fire-tube boiler, Series 500L, intended for industrial and/or commercial use, as tabulated below.

The packaged boiler assembly configuration consists of a boiler equipped with a forced draft power gas burner, pressure and/or air atomizing burner when firing CS₂ Oil, air atomizing burner when firing CS₆ Oil, and/or combination gas/oil burner, automatic operational control equipment, safety controls, electrical equipment and wiring and auxiliary equipment, all assembled as a complete unit. The safety control equipment includes a primary combustion safety control to shut off the burner in the event of ignition

and/or main flame operational failure, pressure control to prevent firing when excessive steam pressure is obtained in steam boiler, or a temperature control to prevent firing when excessive water temperature is obtained in hot water boilers, low water cutoff device to prevent firing in the event of insufficient water in steam and/or hot water boilers and applicable steam safety valve or hot water safety relief valve required by ASME Boiler and Pressure Vessel Code.

Boilers only, and/or field-erected boiler assembly configurations, consist of boiler furnished with forced draft power burner and safety controls, as described above, for field mounting.

Units, with model numbers, boiler horsepower, gas, CS2 and CS6 oil input ratings are listed below:

Y-SG Series 500L Model	Gross Output BHP	Gross Output MBH	Nominal Input Gas MBH Min / Max	Nominal Input CS No. 2 GPH Min / Max	Nominal Input CS No. 6 GPH Min / Max
5102L-*3W-400-MPPP	400	13390	2789 / 16738	24 / 120	22.4 / 112
5102L-*3W-450-MPPP	450	15064	3138 / 18830	26.8 / 134	25.2 / 126
5102L-*3W-500-MPPP	500	16738	3487 / 20922	29.8 / 149	28 / 140
5102L-*3W-600-MPPP	600	20085	4184 / 25106	35.8 / 179	33.6 / 168
5112L-*3W-700-MPPP	700	23433	4881 / 29291	41.8 / 194	39.2 / 181
5112L-*3W-800-MPPP	800	26780	5579 / 33475	47.8 / 221	44.6 / 206
5112L-*3W-900-MPPP	900	30128	6276 / 37659	53.8 / 249	50.2 / 232
5112L-*3W-1000-MPPP	1000	33475	6974 / 41844	59.8 / 277	55.8 / 258

Units shall be installed on noncombustible flooring. Minimum installed clearances from combustible construction shall be in accordance with RS 14-15 of the New York City Building Code.

Terms and Conditions: The above-described boilers are accepted under the following conditions:

1. Boilers shall be constructed in accordance with the ASME Boiler and Pressure Vessel Code.
2. Boilers shall be assembled and/or furnished with compatible NYC-DOB (MEA) accepted burner with size and operating characteristics approved by the boiler manufacturer.
3. Boilers shall be accepted for firing fuel oil and/or gas, as indicated above.
4. Boilers shall be connected to compatible approved gas vent or chimneys in accordance with Article 15 of the Building Code.

5. This acceptance in no way includes the external piping, connections and appurtenances thereto, which are required to fully conform with applicable provisions of law, but have not been tested in conjunction with this application, nor does it include any vent damper device which may be added to the installation.
6. Approval shall be obtained from the NYC-DEP Bureau of Air Resources (BAR) to show compliance with their rules and regulations for fuel oil burning equipment.
7. Approval of all electrical equipment, apparatus, materials and devices shall be obtained from the Bureau of Electrical Control before installation.
8. All shipments and deliveries of such equipment shipped or deliveries of such equipment shall be provided with a metal tag 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.

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 October 3, 2006

Examined By Simon Derkachev