

**CITY OF NEW YORK
DEPARTMENT OF BUILDINGS**

Pursuant to Administrative Code Section 27-131, the following equipment or material has been found acceptable for use in accordance with the Report of the Material and Equipment Acceptance (MEA) Division.

Patricia J. Lancaster, A.I.A., Commissioner
MEA 400-03-E

Report Materials and Equipment Acceptance Division

Manufacturer – CCI Thermal Technologies, 2767 Brighton rd. Oakville, ON, L6H 3A6.

Trade Name – Caloritech.

Product – Electric Steam and Hot Water Boilers.

Pertinent Code Section(s) – 27-792, 27-824.

Prescribed Tests – UL 14-6 (UL834), CAN/CSA-C22.2 No. 165-92 – Electric Boilers.

Laboratory – Canadian Standards Association.

Test Report – CSA File Number LR 52982-9 dated January 10, 1995.

Description - Steam: Electric low pressure, steam boilers, constructed in accordance with Section I of the ASME “S” Code, with 150 psig maximum pressure, intended for commercial, residential, or industrial applications. Unit consists of electric heating elements, an ASME certified tank, integral control enclosure, pressure limit control, pressure and temperature gauges, low water cutoff, feed pump control, and ASME rated pressure relief valve.

Hot Water: Electric low pressure, hot water boilers, constructed in accordance with Section IV of the ASME “H” Code, with 160 psig maximum pressure, intended for commercial, residential, or industrial applications. Unit consists of electric heating elements, an ASME certified tank, integral control enclosure, temperature limit control, pressure and temperature gauges, low water cutoff and ASME rated pressure relief valve.

Table 1: Steam Boilers

Capacity (kW)	Capacity (MBH)	No. of Stages*	Catalog Number 208, 240, 380, 416, 480, 600, 1 or 3Ø
12	40.9	1	VSΒ-10-12
15	51.2	1	VSΒ-10-15
18	61.4	1 or 2	VSΒ-10-18
24	81.9	1 or 2	VSΒ-10-24
30	102.4	1 or 2	VSΒ-10-30
36	122.8	1 or 2	VSΒ-10-36
42	143.3	1 or 2	VSΒ-10-42
50	170.6	2	VSΒ-10-50
60	204.7	2	VSΒ-10-60
72	245.7	2	VSΒ-10-72
84	286.6	2	VSΒ-10-84
90	307.1	2	VSΒ-10-90
96	327.6	2	VSΒ-10-96
100	341.2	2 or 3	VSΒ-10-100
108	368.5	2 or 3	VSΒ-10-108

* Staging requirements depend on supply voltage.

Table 2: Hot Water Boilers

Capacity (kW)	Capacity (MBH)	No. of Stages**	Catalog Number 208, 240, 380, 416, 480, 600, 1 or 3Ø
12	40.9	1	VWBF-10-12
15	51.2	1	VWBF-10-15
18	61.4	1 or 2	VWBF-10-18
24	81.9	1 or 2	VWBF-10-24
30	102.4	1 or 2	VWBF-10-30
36*	122.8	1 or 2	VWBF-10-36
42	143.3	1 or 2	VWBF-10-42
50	170.6	2	VWBF-10-50
60	204.7	2	VWBF-10-60
72	245.7	2	VWBF-10-72
84	286.6	2	VWBF-10-84
90	307.1	2	VWBF-10-90
96*	327.6	2	VWBF-10-96
100*	341.2	2 or 3	VWBF-10-100
108*	368.5	2 or 3	VWBF-10-108
3Ø ONLY			
120	409.4	2 or 3	VWBF-10-120
135	460.6	2, 3, or 4	VWBF-10-135
150*	511.8	2 or 4	VWBF-10-150

*Contactors in this unit not derated for 208V, 3Ø.

** Staging requirements depend on supply voltage.

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

Recommendation – That the above described hot water electric boilers, constructed in accordance with the ASME Boiler Code and installed as per clearances to combustible construction specified above, be accepted for use. The 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. Approval of all electrical equipment, apparatus, materials and devices shall be obtained from the Bureau of Electrical Control before installation. All shipments and deliveries of such equipment shall have a metal tag permanently affixed to the units and suitably placed, certifying that the equipment shipped or delivered are equivalent to those tested and acceptable for use, as provided for in Section 27-131 of the Building Code.

Final Acceptance Feb 12 7/04

Examined by S. Dorkhedar