Inspections Division
Date: 09/18/14

Advanced Heating and Hot Water Systems

P.O. Box 429 · 120 Braley Road · East Freetown, MA 02717 · 508-763-8071· Fax: 508-763-3769

Elite FT Heating Boiler
Submittal Sheet

Elite FT Heating Boiler

JOB NAME: Brick North West

LOCATION: 1 Thompson Point Portland Maine

ARCH. / ENGR.: Archetype P.A /Bennett Engineering

WHOLESALER: FW Webb

MECH. CONTRACTOR: Granite Corp

MODEL NUMBER: EL-399

TYPE OF GAS: natural

BTU/HR INPUT LOW - HIGH FIRE: 80,000 to 399,000

NOTES:

Heat Exchanger

- **All Stainless Steel ASME "H" Stamped Construction**
- **National Board listed**
- **Low pressure drop, gasketless, vertical tube combustion heat exchanger design – provides maintenance-free operation on internal buildup of material inside the combustion chamber**
- **30 PSI Relief Valve, EFT-55 – 199**
- **80 PSI Relief Valve, EFT-285 and 399 models**

Combustion System

- **Modulating burner with up to 5 to 1 turndown**
- **Up to 96.3% AFUE**
- **High Grade Burner Design**
- **Spark Ignition**
- **Models Available for Natural or LP Gas**
- **Dual Flame monitoring (Spark and Flame probe)**

Integrated Control System

- **Digital operating control with 2 line / 20 character LCD text display to program and monitor boiler operation**
- **Three boiler set point temperature inputs– Boiler Pump – System Pump – DHW Pump / Domestic Hot Water priority with timing**
- **Programmable settings: Outdoor Reset Curve – DHW Supply Set Point – Step Sequence for delayed response for smart zones – Boost Response - Cascade up to 8 boilers**
- **Field Connection Board – Line voltage terminal strip with 120 VAC / 60 Hertz power / low voltage terminal strip with multiple contacts - Cascade wiring CAT 5 / CAT 3**
- **24 Volt monitoring**
- **0-10 VDC input for Building Management System**
- **Boiler output regulation (Adjustment of boiler output down to 50 percent of rated capacity)**
- **Low water protection device**
- **Password Security - Flashing maintenance indicator with optional programmed installer contact information**
- **Time Clock / Data logging – Last 10 fault codes with date and time**
- **Customized freeze protection parameters**
- **Modbus enable through external adapter to monitor or control boiler through BMS system**

Additional Features

- **Superior condensate collection system with overflow protection switch**
- **Vents in Plastic PVC - CPVC - Stainless Steel – ULC S636 flexible polypropylene vent liner (chimney lining only)**
- **Vents up to 200 combined equivalent feet**
- **12 Year Limited Warranty**
- **Manual reset high temperature limit**
- **Dry contact for alarm output**
- **Included wall mount bracket**

Optional

- ☐ **System / Pipe Sensor (Part # 7250P-324)**
- ☐ **Indirect Water Heater Sensor (7250P-325)**
- ☐ **3" Polypro Flex Vent Kit (8400P-001)**
- ☐ **3" (80mm) PP Concentric Vent Kit (KGAVT0601CVT)**
- ☐ **3" Stainless Steel Termination Vent Kit (V1000)**
- ☐ **4" Stainless Steel Termination Vent Kit (V2000)**
- ☐ **Flow Switch (7450P-213)**
- ☐ **Condensate Neutralizer (7450P-212)**
- ☐ **U.L. 353 Compliant Low Water Cut-Off Interface Kit w/ Manual Reset (7600P-104 for EFT55 – 110, 7600P-990 for EFT 155 – 399)**
- ☐ **Alarm System (7350P-602) to monitor any failure**
- ☐ **PC Connection Cable w / Software (7350P-320)**
- ☐ **Vision II (7250P-319)**
- ☐ **Modbus (7350P-629)**

Inspections Division
Date: 09/18/14

MODEL	MAX. MBH	MIN. MBH	AFUE	HEATING CAPACITY MBH	A	B	C	D	E	F	G	H	J	K	L	M	N	O	P
EFT-55	55	11	96.3	51	32-1/2"	17-3/8"	6-1/4"	3-1/2"	2-1/4"	6-1/2"	11-3/4"	12-1/2"	6-1/4"	3-1/2"	2"	5-1/2"	6-1/2"	15"	17-1/2"
EFT-80	80	17	96.0	79															
EFT-110	110	22	95.6	102															

MODEL	GAS CONNECTION	WATER CONNECTION	AIR INLET	VENT SIZE	PSI RATING	SHIPPING WT. (LBS)
EFT-55	3/4"	1"	3"	3"	30 PSI	125
EFT-80						128
EFT-110						130

LP-387-K
07/12/13

MODEL	MAX MBH	MIN MBH	AFUE	HEATING CAP. MBH	A	B	C	D	E	F	G	H	J	K	L	M	N	O	P	Q
EFT-155	155	31	95.1	142	32-5/8"	20-5/8"	11-1/8"	6-7/8"	3-7/8"	2-1/4"	6"	14"	15-1/4"	11-1/8"	7-3/4"	6-7/8"	2-1/4"	13-3/8"	16-5/8"	20"
EFT-199	199	40	95.3	183																
EFT-285	285	57	95.0	262																
EFT-399	399	80	93.2 *	367	36-3/8"	23-5/8"	13-5/8"	8-1/2"	4-3/4"	2-3/4"	7-3/8"	18-1/8"	18-3/4"	13-5/8"	9-3/4"	8-1/2"	2-3/4"	16-1/2"	19-1/4"	25-1/2"

MODEL	GAS CONNECTION	WATER CONNECTION	AIR INLET	VENT SIZE	PSI RATING	SHIPPING WT. (LBS)
EFT-155	3/4"	1-1/4"	3"	3"	30 PSI	195
EFT-199						198
EFT-285	1"				80 PSI	203
EFT-399		1-1/2"	4"	4"		298

ALL DIMENSIONS ARE APPROXIMATE
* THERMAL EFFICIENCY (NOT AFUE)

LP-387-K2
07/12/13

NOTE: HTP reserves the right to make product changes or updates without notice and will not be held liable for typographical errors in literature.