



Elite Heating Boiler

JOB NAME:

LOCATION:

ARCH. / ENGR.:

WHOLESALE:

MECH. CONTRACTOR:

MODEL NUMBER:

TYPE OF GAS:

BTU/HR INPUT LOW - HIGH FIRE:

NOTES:

Heat Exchanger

- All Stainless Steel Construction 160 PSI ASME Stamped Construction - National Board listed
- Gasketless Heat Exchanger Design
- 30 PSI Relief Valve
- Front service access to combustion chamber and burner
- Inlet and outlet temperature sensor

Combustion System

- Modulating burner with 5 to 1 turndown
- Up to 98% Thermal Efficiency
- High Grade Inconel 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 LED display with LED indicators for System Pump - Boiler Pump - DHW Pump - System Fault - System operation
- Password Protected
- Outdoor reset with Indirect Priority
- Multiple 120 volt pump outputs - Boiler Pump - System Pump - DHW Pump
- 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)
- Cascade up to 8 boilers

Additional Features

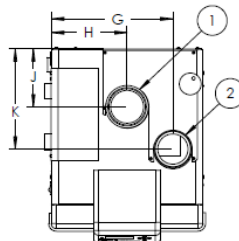
- Combination Outlet Fitting to simplify connections
- Superior condensate collection system with float switch
- Vents in Plastic PVC - CPVC - Stainless Steel - ULC S636 flexible polypropylene vent liner (chimney lining only)
- Vents up to 200 combined equivalent feet
- 12 Year Limited Warranty
- Manual reset High temperature limit
- Adjustable leveling legs
- Field wiring board / Cascade wiring CAT 5 / CAT 3
- Dry contact for alarm output

Optional

- ☐ System Sensor (Part # 7250P-324)
- ☐ Indirect Sensor (7250P-325)
- ☐ 3" Polypro Flex Vent Kit (8400P-001)
- ☐ 3" PVC Concentric Vent Kit (KGAVT0601CVT)
- ☐ 3" Stainless Steel Termination Vent Kit (V1000)
- ☐ 4" Stainless Steel Termination Vent Kit (V2000)
- ☐ 6" Stainless Steel Termination Vent Kit (V3000)
- ☐ Flow Switch (7450P-213)
- ☐ Condensate Neutralizer (7450P-212 for EL-80/110/150/220/299, 7350P-611 for EL-399)
- ☐ U.L. 353 Compliant Low Water Cut-Off Interface Kit w/ Manual Reset (7450P-225)
- ☐ Alarm System (7350P-602) to monitor any failure
- ☐ PC Connection Cable w / Software (7350P-320)

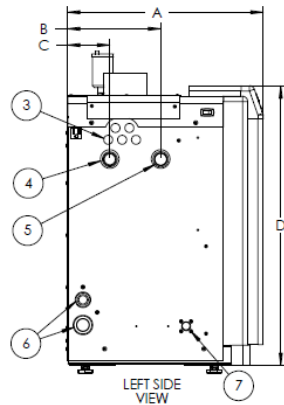
ELITE BOILER SERIES

- EXHAUST VENT CONNECTION ①
- COMBUSTION AIR INLET CONNECTION ②
- ELECTRICAL CONNECTIONS ③
- SYSTEM RETURN ④

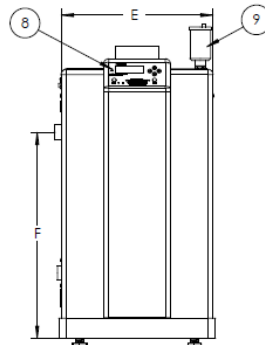


TOP VIEW

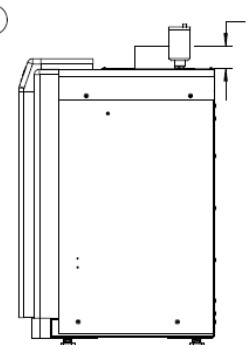
- ⑤ SYSTEM SUPPLY WITH INTEGRATED RELIEF VALVE
- ⑥ CONDENSATE CONNECTION
- ⑦ GAS LINE CONNECTION
- ⑧ DISPLAY/CONTROL PANEL
- ⑨ AIR RELEASE VENT



LEFT SIDE VIEW



FRONT VIEW

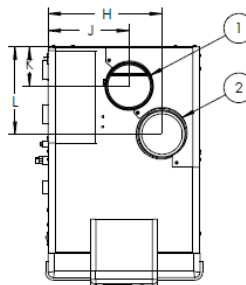


RIGHT SIDE VIEW

MODEL*	A	B	C	D	E	F	G	H	J	K	L	SHIPPING WEIGHT
EL-80	18.50	9.00	2.50	27.25	14.50	20.00	11.75	7.38	5.75	10.00	2.18	108
EL-110	18.50	9.00	2.50	27.25	14.50	20.00	11.75	7.38	5.75	10.00	2.18	113
EL-150	19.50	10.50	2.50	27.25	14.50	20.00	11.75	7.38	4.25	8.50	2.18	126
EL-220	26.50	17.50	6.00	27.25	14.50	20.00	11.75	7.38	4.25	8.50	2.18	164

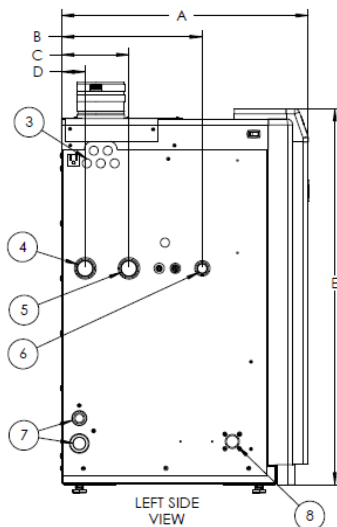
MODEL	BTU/INPUT LOW FIRE	DOE HEATING	IBR	SUPPLY/RETURN	EXHAUST/AIR INLET	GAS CONNECTION
EL-80	16,000-80,000	14,600-73,000	63,000	1"	3"	3/4"
EL-110	22,000-110,000	20,200-101,000	88,000	1"	3"	3/4"
EL-150	30,000-150,000	27,400-137,000	119,000	1"	3"	3/4"
EL-220	44,000-220,000	40,600-203,000	177,000	1"	3"	1"

- EXHAUST VENT CONNECTION ①
- COMBUSTION AIR INLET CONNECTION ②
- ELECTRICAL CONNECTIONS ③
- SYSTEM RETURN ④

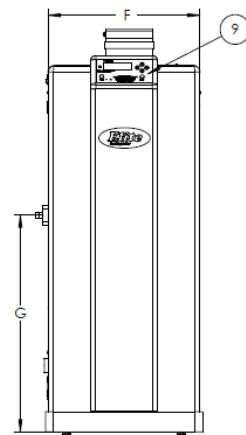


TOP VIEW

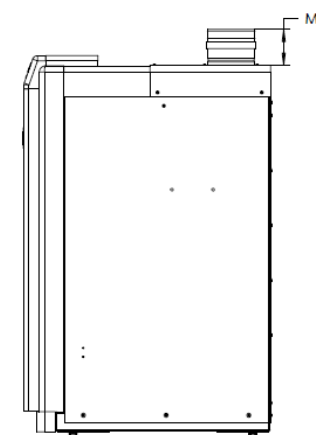
- ⑤ SYSTEM SUPPLY
- ⑥ RELIEF VALVE
- ⑦ CONDENSATE CONNECTION
- ⑧ GAS LINE CONNECTION
- ⑨ DISPLAY/CONTROL PANEL



LEFT SIDE VIEW



FRONT VIEW



RIGHT SIDE VIEW

MODEL*	A	B	C	D	E	F	G	H	J	K	L	M	SHIPPING WEIGHT
EL-299	23.75	13.50	6.38	2.25	36.50	14.50	21.00	11.00	7.88	3.63	8.50	3.00	211
EL-399	30.75	20.50	9.75	2.75	36.50	14.50	21.00	11.00	7.88	3.63	8.50	3.00	256

MODEL*	BTU/INPUT LOW FIRE	DOE HEATING	IBR	SUPPLY/RETURN	EXHAUST/AIR INLET	GAS CONNECTION
EL-299	60,000 - 299,000	55,000 - 275,000	239,000	1-1/4"	4"	1"
EL-399	80,000 - 399,000	76,200 - 381,000	331,000	1-1/2"	4"	1"

* "N" DENOTES NATURAL GAS "LP" DENOTES PROPANE
ALL DIMENSIONS ARE APPROXIMATE
AND ARE SUBJECT TO CHANGE