



## Elite VWH Condensing Hot Water Supply Boiler

**JOB NAME:**

**LOCATION:**

**ARCH./ENGR.:**

**WHOLESALER:**

**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
- 150 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 NIT burner design
- Spark ignition
- Models available for Natural or LP gas
- Dual flame monitoring (Spark and flame probe)

### Integrated Control System

- Password protected digital system operating control w/LED display and indicators
- 24 volt monitoring
- 0-10 volt VDC input for building management system
- Boiler output regulation (down to 50% of rated capacity)
- Cascade up to 8 boilers

### Additional Features

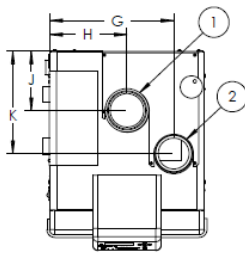
- Superior condensate collection system (w/float switch)
- Vents up to 200 combined equivalent feet
- Vents in plastic, PVC - CPVC - stainless steel – ULC S636 flexible polypropylene vent liner (chimney lining only)
- 5 year limited warranty
- Optional wall mounting kit saves space
- A/C convenience receptacle for condensate pump
- Flow switch
- High temperature limit w/ manual reset
- Adjustable leveling legs
- Field wiring board / cascade wiring CAT 3 / CAT 5
- Dry contact for alarm output
- Pressure/Temperature gauge

### Optional Equipment

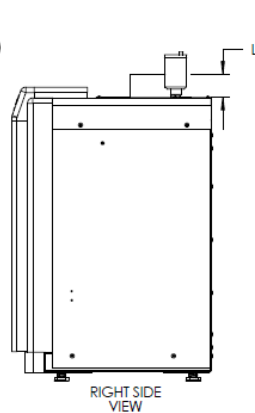
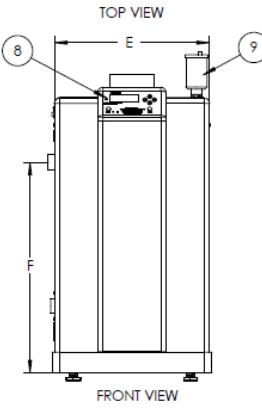
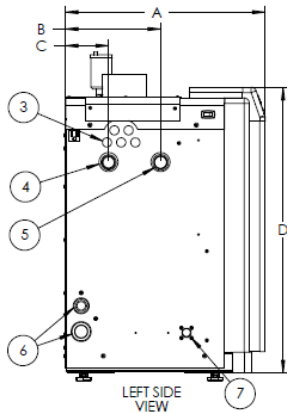
- System / Pipe Sensor (Part # 7250P-324)
- Indirect / Tank Sensor (7250P-325)
- Tank Thermostat (4080B-1352)
- Wall Mounting Kit (7450P-211)
- U.L. 353 Compliant Low Water Cut-Off Interface Kit w/ Manual Reset (7450P-225)
- Elite 80 Pump Kit (7450P-246)
- Elite 110 Pump Kit (7450P-247)
- Elite 150 and 220 Pump Kit (7450P-248)
- Elite 299 Pump Kit (7450P-249)
- Elite 399 Pump Kit (7450P-250)
- 3" Polypro Flex Vent Kit (8400P-001)
- 4" Stainless Steel Outside Termination Vent Kit (V2000)
- 6" Stainless Steel Outside Termination Vent Kit (V3000)
- Alarm System (7350P-602) to monitor any failure
- Condensate Neutralizer (7350P-611)
- 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)



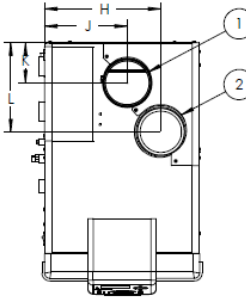
- SYSTEM SUPPLY WITH INTEGRATED RELIEF VALVE (5)
- CONDENSATE CONNECTION (6)
- GAS LINE CONNECTION (7)
- DISPLAY/CONTROL PANEL (8)
- AIR RELEASE VENT (9)



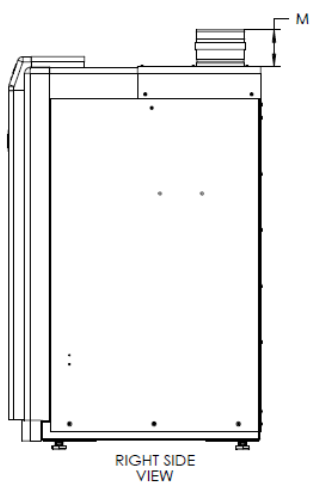
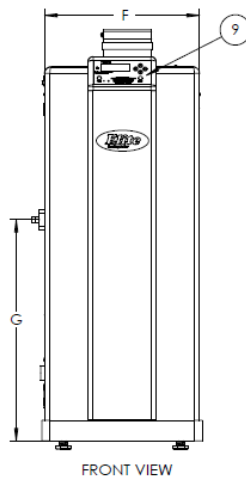
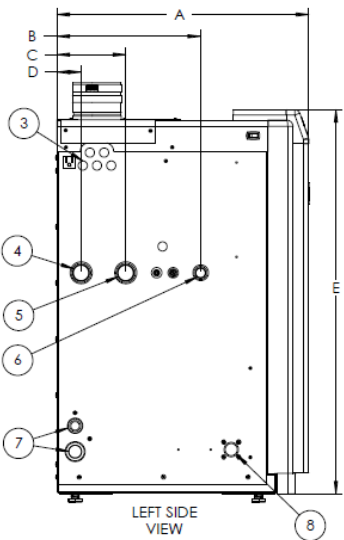
MODEL*	A	B	C	D	E	F	G	H	J	K	L	SHIPPING WEIGHT
EL-80	18.50	9.00	2.50	27.25	14.50	20.00	11.75	7.38	5.75	10.00	2.18	108
EL-110	18.50	9.00	2.50	27.25	14.50	20.00	11.75	7.38	5.75	10.00	2.18	113
EL-150	19.50	10.50	2.50	27.25	14.50	20.00	11.75	7.38	4.25	8.50	2.18	126
EL-220	26.50	17.50	6.00	27.25	14.50	20.00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



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



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