



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 – 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 95.9% AFUE
- Up to 96.1 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
- Lead Free Compliant, as required by the Safe Drinking Water Act, Section 1417

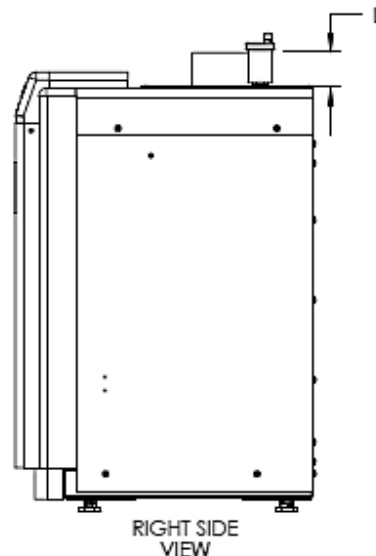
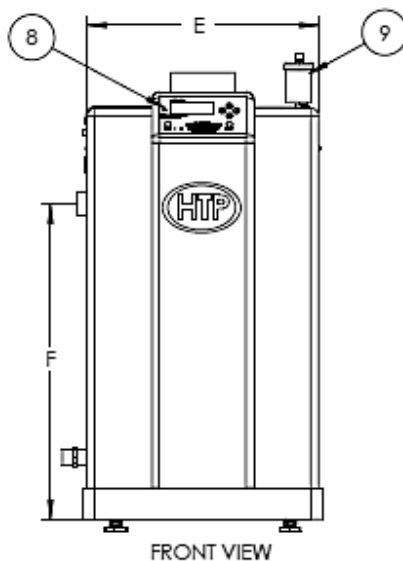
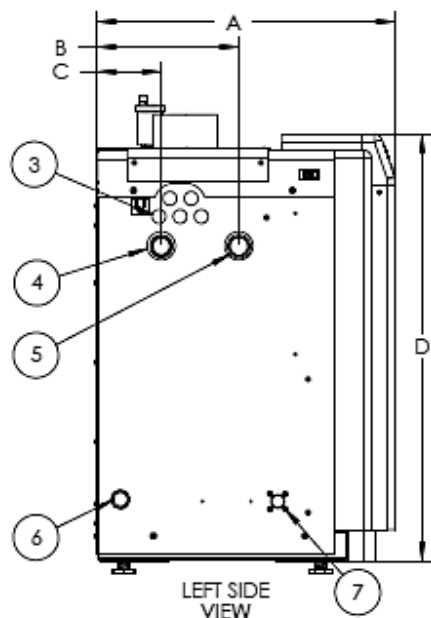
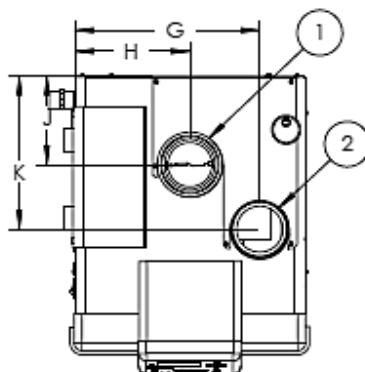
Optional Equipment

- 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/ Elite 301 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 (7450P-212)
- PC Connection Cable w / Software (7250P-738)
- MODBUS / BACnet (7350P-636)

ELITE BOILER SERIES

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

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



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	MAX MBH	MIN MBH	AFUE	HEATING CAPACITY MBH	SUPPLY/RETURN	EXHAUST/AIR INLET	GAS CONNECTION
EL-80	80	16	95.9	74	1"	3"	3/4"
EL-110	110	22	95.7	102			
EL-150	150	30	95.5	139			
EL-220	220	44	95.2	205			1"

* "N" DENOTES NATURAL GAS "LP" DENOTES PROPANE

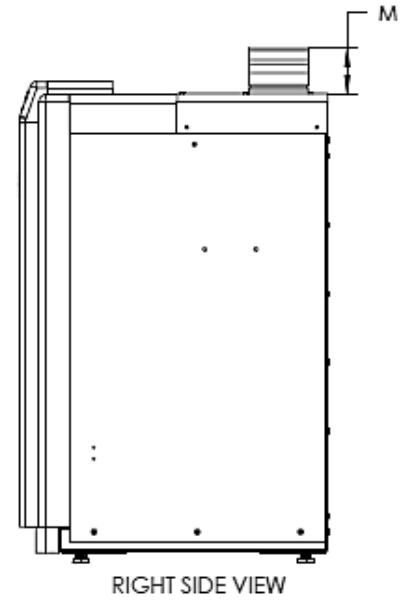
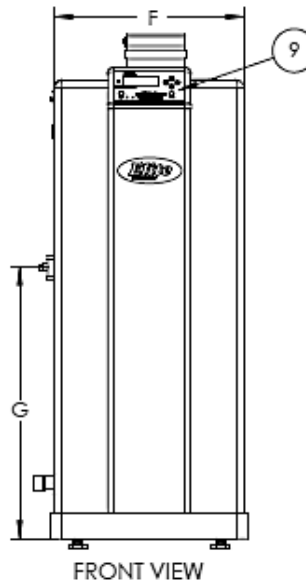
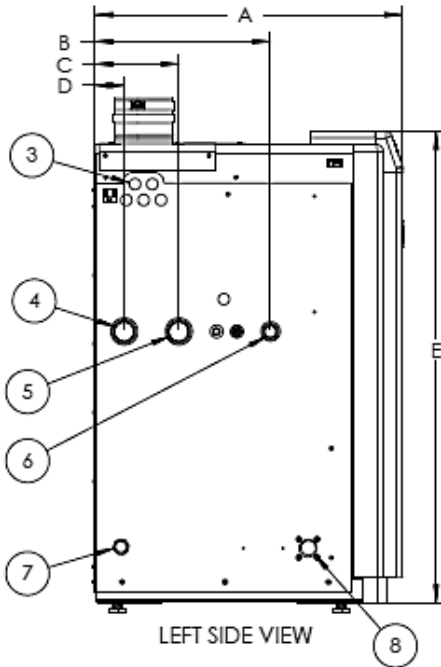
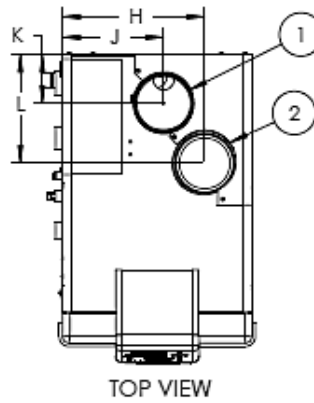
ALL DIMENSIONS ARE APPROXIMATE AND ARE SUBJECT TO CHANGE

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



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-301	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 *	MAX MBH	MIN MBH	AFUE	HEATING CAPACITY MBH	SUPPLY/RETURN	EXHAUST/AIR INLET	GAS CONNECTION
EL-299	299	60	93.0	276	1-1/4"	4"	1"
EL-301	301	60	96.1 **	289			
EL-399	399	80	93.2 **	372	1-1/2"		

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** THERMAL EFFICIENCY (NOT AFUE)

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