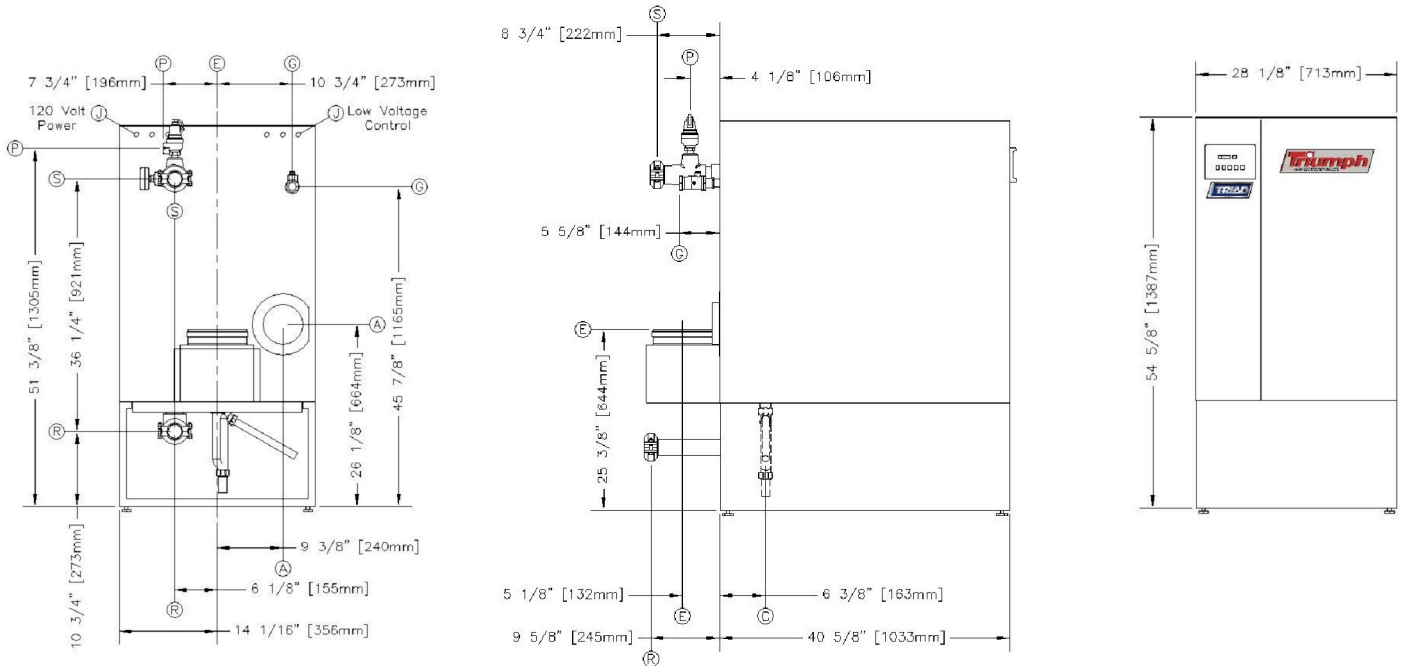




## TRIUMPH HIGH EFFICIENCY BOILERS Series T-750



The Triumph T-750 requires category IV venting (condensing-positive pressure) as per ANSI Z223.1/NFPA 54/CSA-B.149.

BOILER CONNECTIONS:	
A. Combustion air inlet	6+
C. Condensate drain	¾+
E. Exhaust vent	200mm ID (8+nom ID)
G. Main gas connection	1+NPT- F
J. Wiring junction boxes	As marked
P. Pressure relief valve	See list for selection
R. Water return, victaulic clamp	2+pipe, grooved
S. Water supply, victaulic clamp	2+pipe, grooved

BOILER CONTROLS: ASME CSD-1 is standard. Complies with GE GAP (IRI) guidelines GAP.4.1.0 and GAP.4.1.3 and FM Global 6-4/12-69 Section 1.0	
Main Gas Valves: Solenoid Type (2)	
Air / Gas Ratio Control	
Main Gas Shutoff Cock, 1+	
Integrated Boiler Control, MCBA series	
Operating Thermostat, 70°-195° F (21°-91° C)	
High Limit Thermostat, Manual Reset, 100-200°F (38-93°C)	
Low Gas Pressure Switch, Manual Reset	
High Gas Pressure Switch, Manual Reset	
LWCO, Probe Type, Manual Reset	
Air Switch, Differential Pressure Type	
Combustion Blower, Variable Speed, 300 watt (0.4 hp)	

CSA CERTIFIED RATINGS AND CAPACITIES		
Fuel:	Natural Gas (NG)	Propane (LP)
Input, BTU/hr	750,000	
Output, BTU/hr	712,500	
Boiler HP:	21.3	
Maximum Inlet gas pressure:	14+w.c.	
Minimum inlet gas pressure:	3.5+w.c.	

Electrical Requirements	120 v, 1ph, 60hz
Total Operating Amps	less than 5 amps
Operating Weight	695 lbs
Water Content	5.9 gallons

A.S.M.E. Section IV Design Data	
Maximum Pressure	80 psig
Maximum Temperature	200°F
Heated Wet Surface Area:	18.35 sq.ft
Flow rate @ 20°F <sup>a</sup> T	75 GPM
Flow rate @ 40°F <sup>a</sup> T	37 GPM

Pressure relief valve	Press/Temp gauge
80 PSIG ¾"x 1+(standard)	0-240psi/30-240°F

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