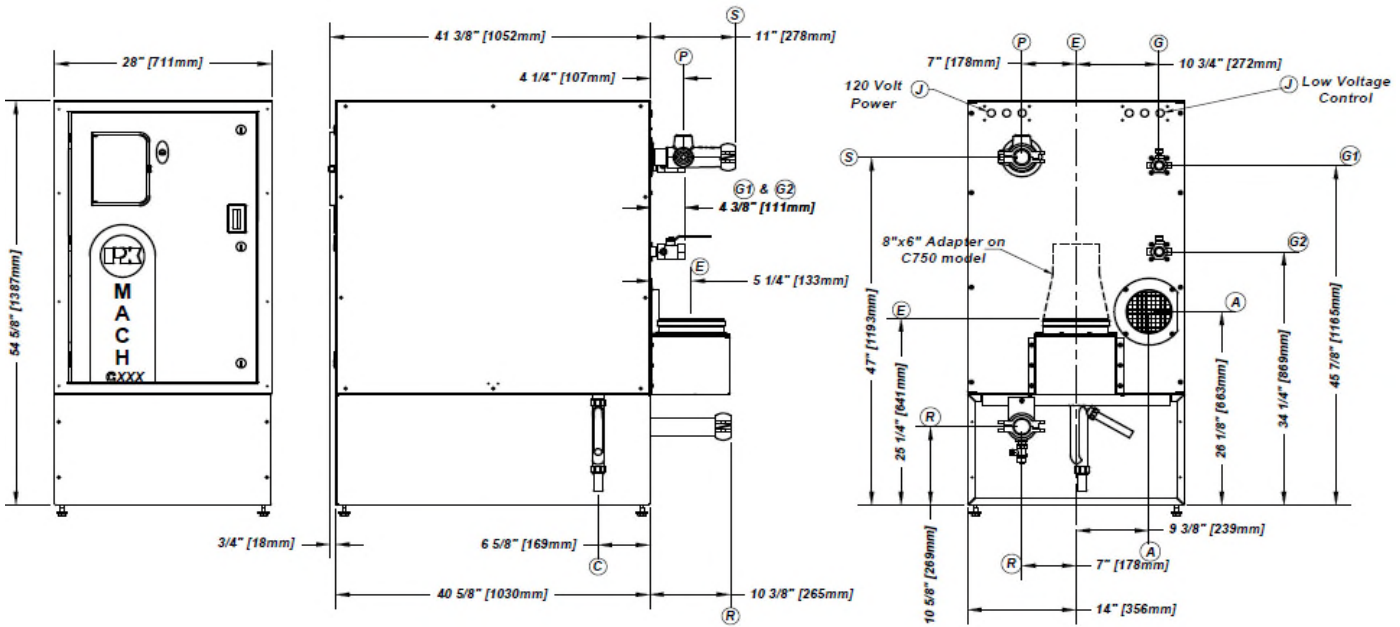


Rep Name: _____

Email: _____

Phone Number: _____

Date: / /



This MACH boiler requires Category IV venting (condensing-positive pressure) or Category II venting¹ (condensing -negative pressure) as defined in ANSI Z223.1/NFPA 54/CSA-B.149 latest edition.
¹Category II venting must include the optional combustion air damper

BOILER CONNECTIONS		
A	Combustion Air Inlet	6" dia. stub
C	Condensate Drain	3/4" hose
E	Exhaust Vent	C-750 - 6" C-900 & C-1050 - 8"
G1	Propane Gas	1" NPT-F
G2	Natural Gas	1" NPT-F
J	Wiring Junction Boxes	inside cabinet
P	Pressure Relief Valve	see list for options
R	Boiler Return, Victaulic® clamp	2" pipe, grooved
S	Boiler 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	
FM Global 6-4 Section 1.0	
Main Gas Train with Dual Shut-off	
Integrated Boiler Control, NURO Series	
Operating Thermostat, 42°-195°F (5.6°-91°C)	
High Limit Thermostat, Manual Reset, 100°-197°F (38°-92°C)	
High Exhaust Back Pressure Switch	
LWCO, Probe Type, Manual Reset	
Combustion Air Proving Switch, Differential Pressure Type	
Combustion Blower, Variable Speed, 300 Watt	

A.S.M.E. SECTION IV DESIGN DATA	C-750	C-900	C-1050
Max Pressure	80 PSIG		
Max Allowable Temperature	250°F		
Max Setpoint	185°F		
Heated Wet Surface Area	18.35 sq. ft.	22.02 sq. ft.	25.69 sq. ft.
Flow Rate @ 20°FΔT	70.4 GPM	84.5 GPM	98.6 GPM
Flow Rate @ 40°FΔT	35.2 GPM	42.3 GPM	49.3 GPM

MODEL SELECTION						
Boilers	□ C-750		□ C-900		□ C-1050	
	□ Dual Fuel		□ Dual Fuel		□ Dual Fuel	
Fuel Options	□ NG	□ LP	□ NG	□ LP	□ NG	□ LP
Min Inlet Gas Pressure	3.5" w.c.	7.0" w.c.	3.5" w.c.	7.0" w.c.	3.5" w.c.	7.0" w.c.
Max Inlet Gas Pressure	14.0" w.c.					
Input (BTU/hr)	750,000		900,000		1,050,000	
Output (BTU/hr)	704,000		845,000		986,000	
Boiler HP	21.3		25.3		29.5	
Operating Weight	695 lbs.		735 lbs.		780 lbs.	
Shipping Weight	770 lbs.		790 lbs.		845 lbs.	
Boiler Water Content	5.9 gallons		6.6 gallons		7.3 gallons	
Shipping Dimensions	60"x36"x60" (LxWxH)					
Power Supply	120V 1ph 60Hz					
Operating Current	< 6 Amps					
Recommended Minimum Circuit Capacity	10 Amps					

PRESSURE RELIEF VALVE/PRESSURE-TEMPERATURE GAUGE	
Shipped Loose for Field Installation	
□ 30 PSIG 1"x 1"	15-160 psi/0-250°F
□ 50 PSIG 3/4"x 1"	15-160 psi/0-250°F
□ 60 PSIG 3/4"x 3/4"	15-160 psi/0-250°F
□ 75 PSIG 3/4"x 1"	15-160 psi/0-250°F
□ 80 PSIG 3/4"x 1"	15-160 psi/0-250°F

RECOMMENDED CLEARANCE FOR SERVICE ACCESS			
Front - 30"	Top - 24"	Left Side - 24"	Right Side - 24"
Rear - 24"			

Notes:
- Victaulic is a registered trademark of Victaulic Company, Easton PA, USA
- Patterson-Kelley reserves the right to make changes at any time without notification



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