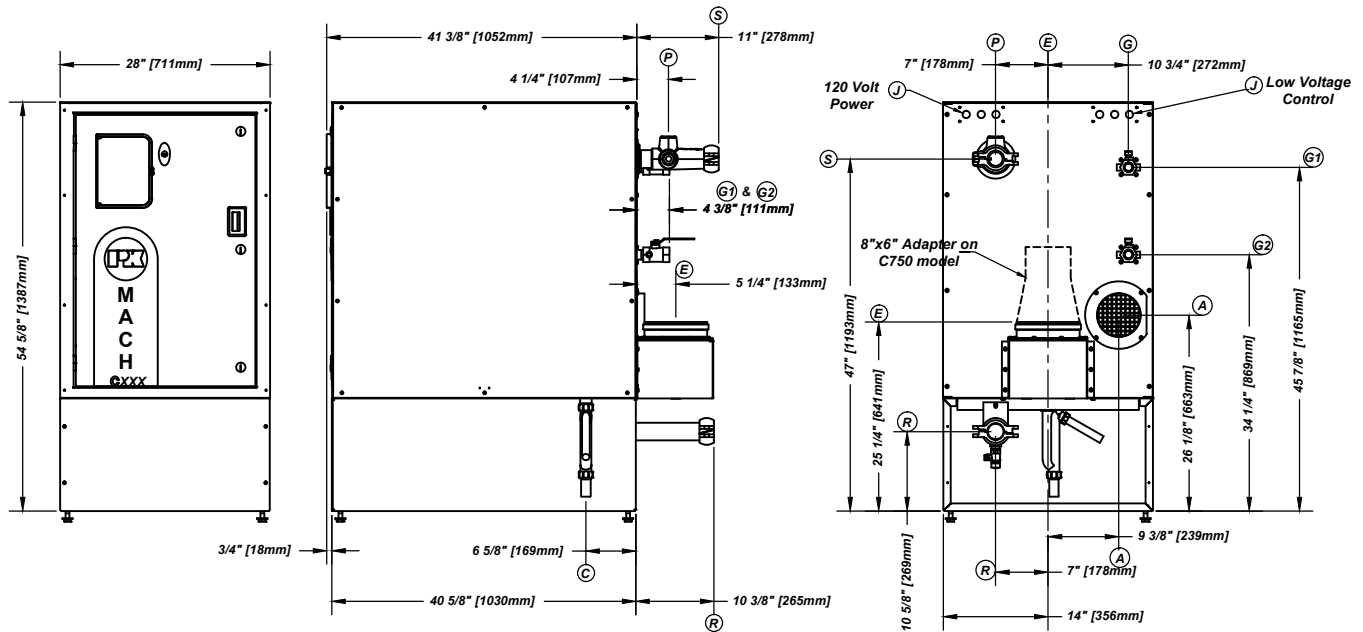


Rep Name _____
 Phone Number _____
 Email _____
 Date ____/____/____

P-K MACH® Models C-750, C-900, & C-1050

Natural Gas, Liquid Propane, or Dual Fuel with NURO® Control



This MACH Boiler requires Category IV venting (condensing—positive pressure) or Category II venting* (condensing—negative pressure) as defined in ANSI Z223.1/NFPA 54/CSA -B.149 Latest Edition

*Category II Venting must include optional combustion air damper

Note: Dual Fuel models are not intended to run both fuels simultaneously

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) Natural Gas Connection	1" NPT-F
(G2) Liquid Propane Gas Connection	1" NPT-F
(J) Wiring Junction Boxes	inside cabinet
(P) Pressure Relief Valve	see list for selection
(R) Boiler Water Return, Victaulic® clamp	2" pipe, grooved
(S) Boiler Water Supply, Victaulic® clamp	2" pipe, grooved

Victaulic is a registered trademark of Victaulic Company, Easton, PA, USA

BOILER CONTROLS: ASME CSD-1 is standard. Complies with GE GAP (IRI) guidelines GAP.4.1.0 and GAP.4.1.3. Complies with 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 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	200°F		
Max Operating Temperature	194°F		
Heated Wet Surface Area:	18.35 ft ²	22.02 ft ²	25.69 ft ²
Flow rate @ 20°F ΔT	72 GPM	86 GPM	100 GPM
Flow rate @ 40°F ΔT	36 GPM	43 GPM	50 GPM

MODEL SELECTION	C-750		C-900		C-1050	
	Dual Fuel		Dual Fuel		Dual Fuel	
	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.			
Water Content	5.9 gallons	6.6 gallons	7.3 gallons			
Shipping Dimensions	61"x36"x62" (LxWxH)					
Estimated Shipping Weight	735 lbs.	790 lbs.	820 lbs.			
Power Supply	120V 1ph 60Hz					
Operating Current	< 6 Amps					
Recommended Minimum Circuit Capacity	10 Amps					

Pressure Relief Valve/Press-Temp Gauge	
Shipped Loose for Field Installation	
<input type="radio"/> 30 PSIG 1" x 1"	0-100psi/30-240°F
<input type="radio"/> 50 PSIG 3/4" x 1"	0-100psi/30-240°F
<input type="radio"/> 60 PSIG 3/4" x 3/4"	0-100psi/30-240°F
<input type="radio"/> 75 PSIG 3/4" x 1"	0-240psi/30-240°F
<input type="radio"/> 80 PSIG 3/4" x 1"	0-240psi/30-240°F

Recommended Clearance for Service Access			
Front - 30"	Rear - 24"	Top - 24"	Side - 24"

HARSCO
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 Patterson-Kelley