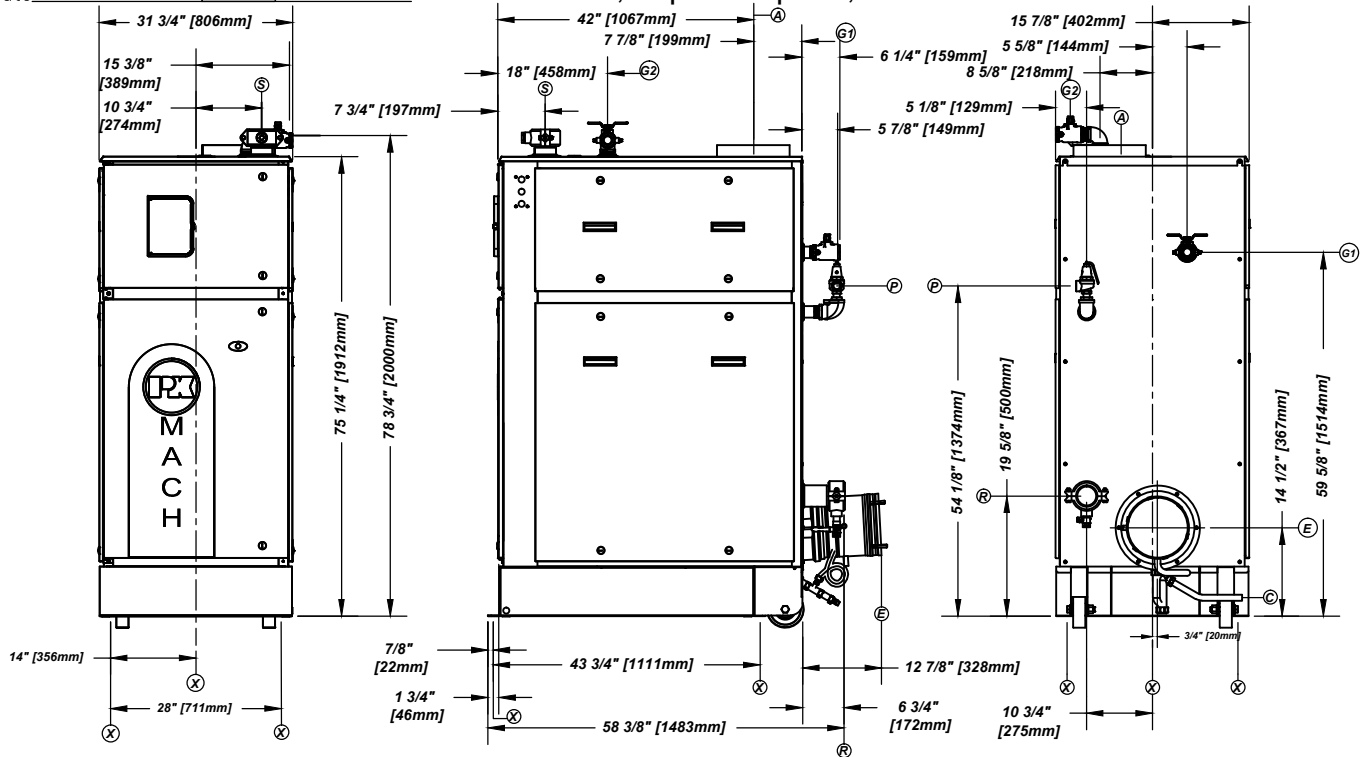


Rep Name _____
 Phone Number _____
 Email _____
 Date _____

P-K MACH[®] Model C-2500 & C-3000

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

BOILER CONNECTIONS	
(A) Combustion Air Inlet	12" dia stub
(C) Condensate Drain	3/4" hose
(E) Exhaust Vent	10"
(G1) Liquid Propane Gas Connection	1 1/2" NPT-F
(G2) Natural Gas Connection	1 1/2" NPT-F
(J) Wiring Junction Boxes	inside cabinet
(P) Pressure Relief Valve	see list for selection
(R) Boiler Water Return, Victaulic [®] clamp	3" pipe, grooved
(S) Boiler Water Supply, Victaulic [®] clamp	3" pipe, grooved
(X) Anchor Bolt Locations	(6) 9/16" dia holes

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	
<input type="radio"/> 1200 Watt (C2500) <input type="radio"/> 2500 Watt (C3000)	

A.S.M.E. Section IV Design Data	C2500	C3000
Max Pressure	125 psig	
Max Allowable Temperature	220°F	
Max Operating Temperature	194°F	
Heated Wet Surface Area:	78.9 sq.ft.	
Flow rate @ 20°F ΔT	238 GPM	262 GPM
Flow rate @ 40°F ΔT	119 GPM	131 GPM

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

MODEL SELECTION	C2500		C3000	
	<input type="radio"/> Dual Fuel		<input type="radio"/> Dual Fuel	
	<input type="radio"/> NG	<input type="radio"/> LP	<input type="radio"/> NG	<input type="radio"/> LP
Min Inlet Gas Pressure	3.0"w.c	7.0"w.c	4.5"w.c	7.0"w.c
Max Inlet Gas Pressure	14.0"w.c			
Input, BTU/hr	2,500,000		3,000,000	
Output, BTU/hr	2,360,000		2,775,000	
Boiler HP	70.9		85.1	
Operating Weight	1550 lbs.*		1600 lbs.*	
Water Content	19 gallons			
Shipping Dimensions	36"x84"x87" (LxWxH)			
Estimated Shipping Weight	1680 lbs.*		1750 lbs.*	
Power Supply	<input type="radio"/> 120V 1ph 60Hz		<input type="radio"/> 208-240V 3ph 60Hz <input type="radio"/> 440-480V, 3ph 60Hz	
Operating Current	< 15 Amps			
Recommended Minimum Circuit Capacity	20 Amps			

*Add 100 lbs. for Dual Fuel models

Pressure Relief Valve/Press-Temp Gauge	
Shipped Loose for Field Installation	
<input type="radio"/> 30 PSIG 1-1/2"x 2"	0-100psi/30-240°F
<input type="radio"/> 50 PSIG 1-1/4"x 1-1/4"	0-100psi/30-240°F
<input type="radio"/> 60 PSIG 1-1/4"x 1-1/4"	0-100psi/30-240°F
<input type="radio"/> 75 PSIG 1-1/4"x 1-1/4"	0-240psi/30-240°F
<input type="radio"/> 80 PSIG 1-1/4"x 1-1/4"	0-240psi/30-240°F
<input type="radio"/> 100 PSIG 1"x 1-1/4"	0-240psi/30-240°F
<input type="radio"/> 125 PSIG 1" x 1"	0-240psi/30-240°F

Recommended Clearance for Service Access			
Front - 30"	Rear - 12"	Top - 12"	Side - 18"

HARSCO
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