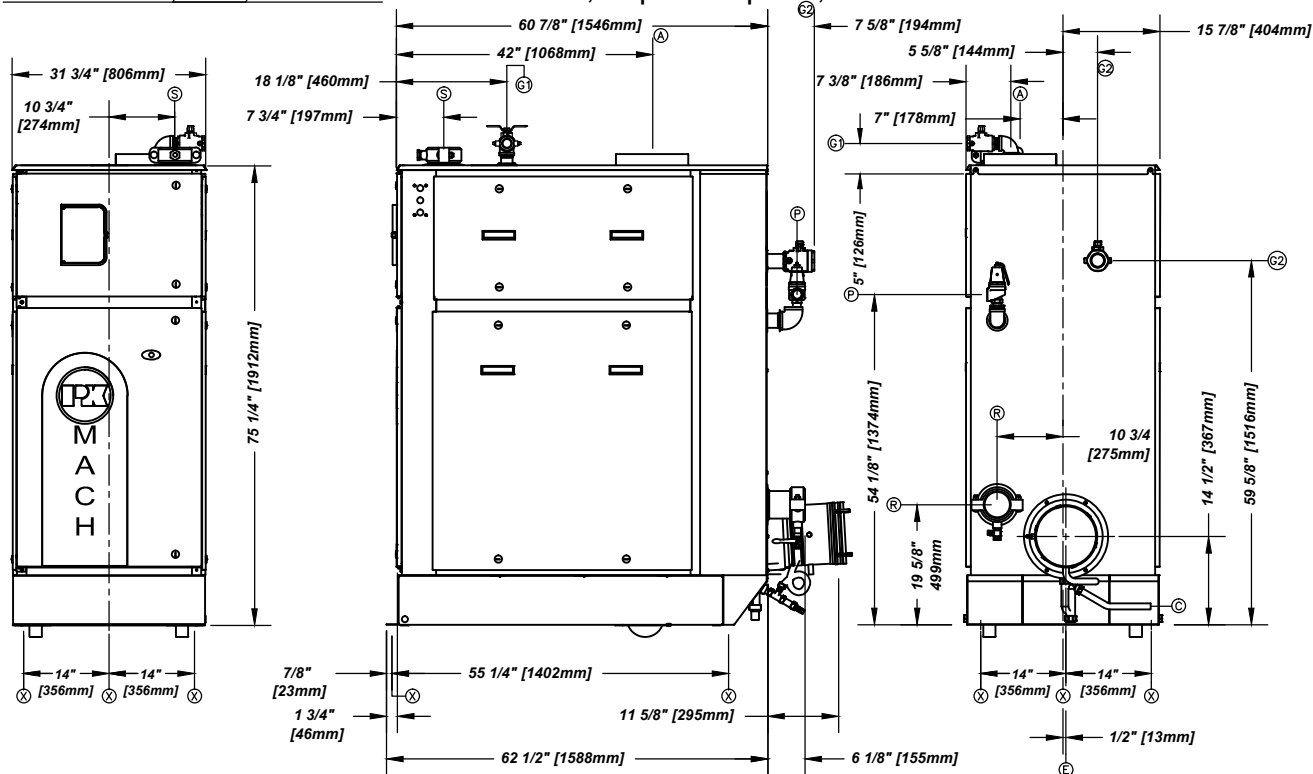


Rep Name _____
 Phone Number _____
 Email _____
 Date _____/_____/_____

P-K MACH® Model C-4000

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	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	2" NPT-F
(J) Wiring Junction Boxes	inside cabinet
(P) Pressure Relief Valve	see list for options
(R) Boiler Water Return, Victaulic® clamp	4" pipe, grooved
(S) Boiler Water Supply, Victaulic® clamp	4" 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, 2500 Watt	

A.S.M.E. Section IV Design Data	
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	345 GPM
Flow rate @ 40°F ΔT	173 GPM

MODEL SELECTION	C4000	
	○ Dual Fuel	
	○ Natural Gas	○ Liquid Propane
Min Inlet Gas Pressure	3.0"w.c	7.0"w.c
Max Inlet Gas Pressure	14.0"w.c	
Input, BTU/hr	4,000,000	
Output, BTU/hr	3,720,000	
Boiler HP	113.5	
Operating Weight	1900 lbs*	
Water Content	24.5 gallons	
Shipping Dimensions	36"x84"x87" (LxWxH)	
Estimated Shipping Weight	2100 lbs*	
Power Supply	○ 208–240V 3ph 60Hz	
	○ 440–480V 3ph 60Hz	
Operating Current	< 20 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		
○ 30 PSIG 2"x 2"	0–100psi/30–240°F	
○ 50 PSIG 1-1/2"x 1-1/2"	0–100psi/30–240°F	
○ 60 PSIG 1-1/4"x 1-1/2"	0–100psi/30–240°F	
○ 75 PSIG 1-1/4"x 1-1/4"	0–240psi/30–240°F	
○ 80 PSIG 1-1/4"x 1-1/4"	0–240psi/30–240°F	
○ 100 PSIG 1"x 1-1/4"	0–240psi/30–240°F	
○ 125 PSIG 1"x 1"	0–240psi/30–240°F	

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

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