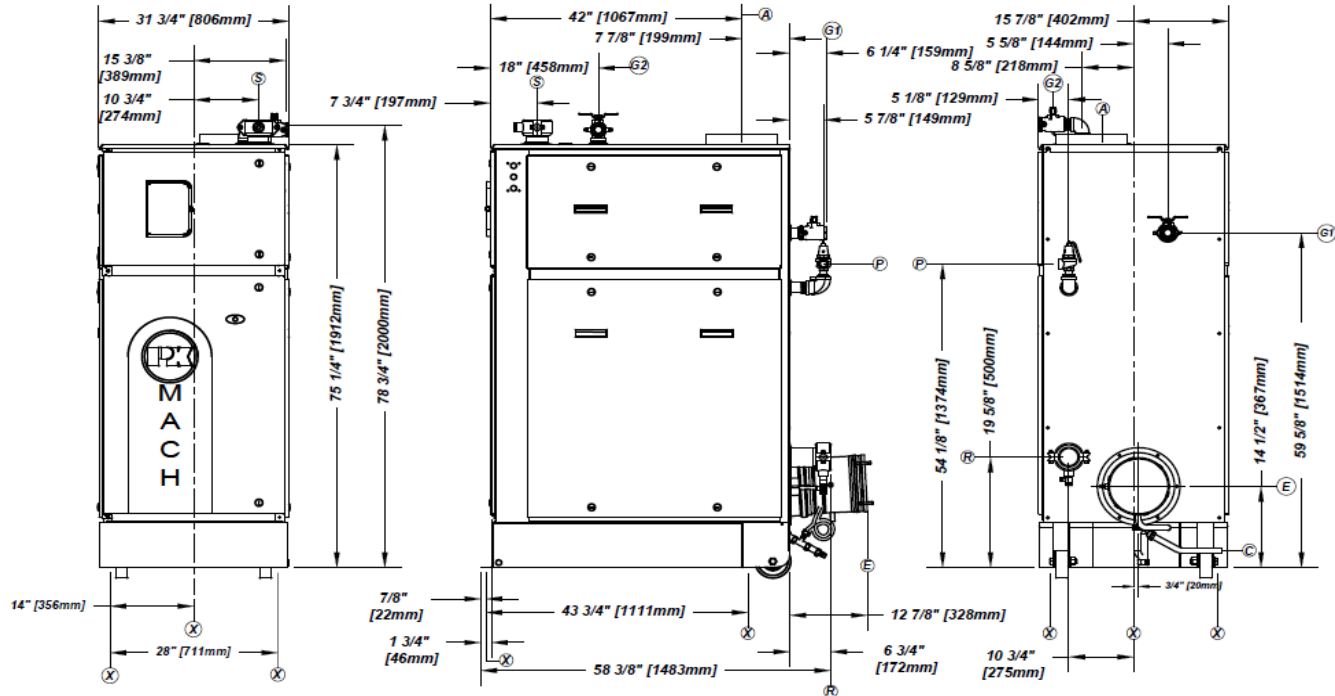


Rep Name: _____

Email: _____

Phone Number: _____

Date: _____ / _____ / _____



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 the optional combustion air damper

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

MODEL SELECTION				
Boilers	☐ C2500		☐ C3000	
	☐ Dual Fuel			
Fuel Options	☐ Natural Gas	☐ Liquid Propane	☐ Natural Gas	☐ Liquid Propane
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" 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.*	
Shipping Weight	1680 lbs.*		1750 lbs.*	
Boiler Water Content	19 gallons			
Shipping Dimensions	36"x84"x87" (LxWxH)			
Power Supply	☐ 120V, 1ph, 60Hz		☐ 208-240V, 3ph, 60Hz	
			☐ 440-480V, 3ph, 60Hz	
Operating Current	< 15 Amps			
Recommended Minimum Circuit Capacity	20 Amps			

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	

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	
□ 1200 Watt (C2500)	
□ 2500 Watt (C3000)	

A.S.M.E. SECTION IV DESIGN DATA	C2500	C3000
Max Pressure	125 psig	
Max Allowable Temperature	220°F	
Max Setpoint	185°F	
Heated Wet Surface Area	78.9 sq. ft.	
Flow Rate @ 20°FΔT	236 GPM	277.5 GPM
Flow Rate @ 40°FΔT	118 GPM	138.8 GPM

PRESSURE RELIEF VALVE/PRESSURE-TEMPERATURE GAUGE		
Shipped Loose for Field Installation		
□ 30 PSIG 1 1/2"x 2"	15-160 psi/0-250°F	
□ 50 PSIG 1 1/4"x 1 1/4"	15-160 psi/0-250°F	
□ 60 PSIG 1 1/4"x 1 1/4"	15-160 psi/0-250°F	
□ 75 PSIG 1 1/4"x 1 1/4"	15-160 psi/0-250°F	
□ 80 PSIG 1 1/4"x 1 1/4"	15-160 psi/0-250°F	
□ 100 PSIG 1"x 1 1/4"	15-160 psi/0-250°F	
□ 125 PSIG 1"x 1"	15-160 psi/0-250°F	

RECOMMENDED CLEARANCE FOR SERVICE ACCESS				
Front - 30"	Rear - 12"	Top - 12"	Left Side - 18"	Right Side - 18"

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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