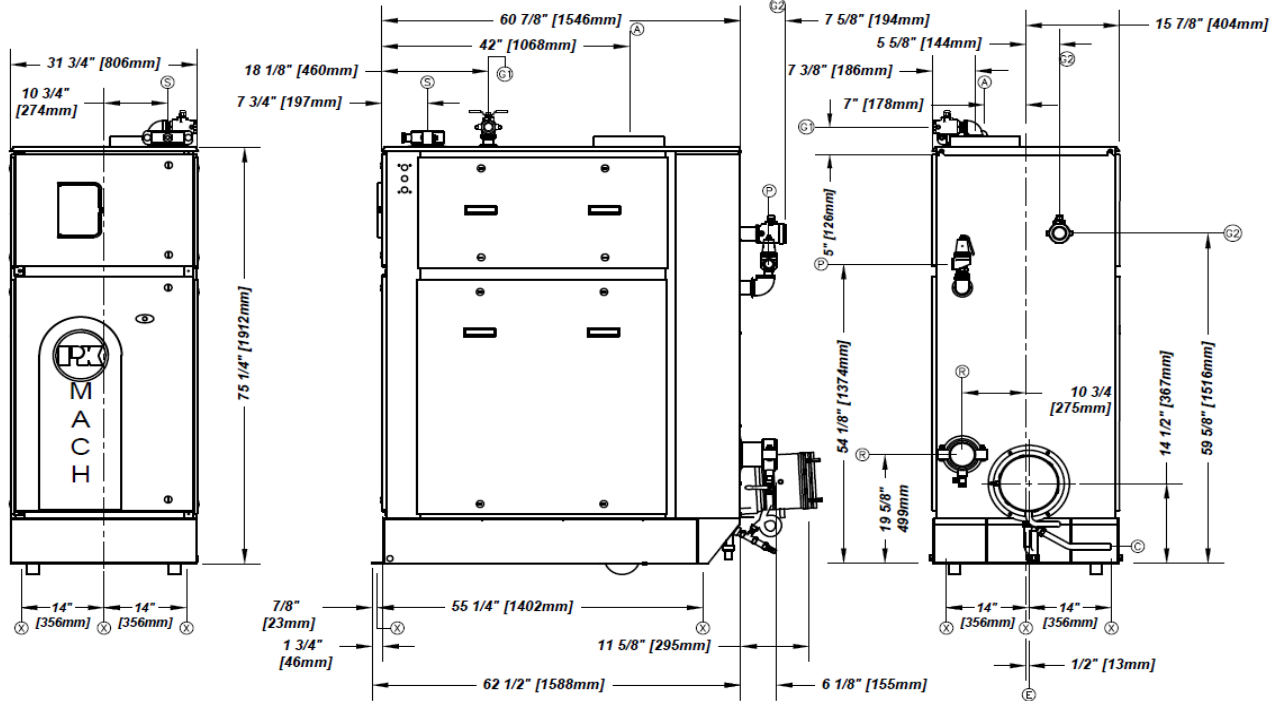


Rep Name: \_\_\_\_\_

Email: \_\_\_\_\_

Phone Number: \_\_\_\_\_

Date: \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_



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

| BOILER CONNECTIONS |                                 |                      |
|--------------------|---------------------------------|----------------------|
| 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                     | 2" NPT-F             |
| J                  | Wiring Junction Boxes           | inside cabinet       |
| P                  | Pressure Relief Valve           | see list for options |
| R                  | Boiler Return, Victaulic® clamp | 4" pipe, grooved     |
| S                  | Boiler Supply, Victaulic clamp  | 4" pipe, grooved     |
| X                  | Anchor Bolt Locations           | (6) 9/16" dia holes  |

| MODEL SELECTION                      |           |   |
|--------------------------------------|-----------|---|
| Boilers                              |           | <input type="checkbox"/> C4000  |
| Fuel Options                         |           | <input type="checkbox"/> Natural Gas <input type="checkbox"/> Dual Fuel <input type="checkbox"/> Liquid Propane |
| Min Inlet Gas Pressure               | 3.0" w.c. | 7.0" w.c.   |
| Max Inlet Gas Pressure               |           | 14" w.c.  |
| Input (BTU/hr)                       |           | 4,000,000   |
| Output (BTU/hr)                      |           | 3,720,000   |
| Boiler HP                            |           | 113.5   |
| Operating Weight                     |           | 1900 lbs. *   |
| Shipping Weight                      |           | 2100 lbs. *   |
| Boiler Water Content                 |           | 24.5 gallons  |
| Shipping Dimensions                  |           | 36"x84"x87" (LxWxH)   |
| Power Supply                         |           | <input type="checkbox"/> 208-240V, 3ph, 60Hz  |
|                                      |           | <input type="checkbox"/> 440-480V, 3ph, 60Hz  |
| Operating Current                    |           | < 20 Amps   |
| Recommended Minimum Circuit Capacity |           | 20 Amps   |

\*Add 100 lbs. for Dual Fuel models

| 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, 2500 Watt                   |  |

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

| A.S.M.E. SECTION IV DESIGN DATA |              |
|---------------------------------|--------------|
| 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              | 372 GPM      |
| Flow Rate @ 40°FΔT              | 186 GPM      |

| 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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