



**POWER-FIN®
BOILER
Submittal Sheet
PBE-Sub-05**

POWER-FIN® GAS BOILER 1.5, 1.7, 2.0 MBH MODELS

JOB NAME _____
LOCATION _____
ARCH./ENGR. _____
MECH. CONTRACTOR _____
MODEL NO. _____
TYPE GAS _____
Btu/hr INPUT _____ **Btu/hr OUTPUT** _____
NOTES

Standard Features

- 87% Thermal Efficiency
- 25 - 100% Infinitely Proportional Firing Rate
- Digital Display w/ Alarm & Status LED's
- Variable Frequency Drive
- Digital Temperature Control Accurate to 1°F
- Tamper Resistant Temperature Controls
- Alcromesh Burner with 5-Year Limited Warranty
- Low NOx Operation Exceeds the most Stringent Air Quality Requirements
- Low Gas Pressure Operation
- Selectable Supply/Return Temperature Controls
- ASME Copper Finned Tube Heat Exchanger
- 160 PSI Working Pressure
- Gasketless Heat Exchanger Design
- Pump Delay
- Glass-Lined Water Surfaces
- Low Gas Pressure Operation
- Zero Clearance to Combustible Materials
- Temperature and Pressure Gauge
- ASME Pressure Relief Valve
- Down Stream Test Cock
- Adjustable High Limit w/ Manual Reset
- Flow Switch
- Small Footprint
- 24 Volt Circuit Breaker
- Freeze Protection
- Construction Air Filter
- 10 Year Limited Warranty on Heat Exchanger (See warranty for details)

Optional Equipment

Place an X in the box by all options that apply

- Alarm Bell
- Contacts on any Failure
- Contacts for Air Louvers
- Cupro-Nickel Heat Exchanger
- High Gas Pressure Switch w/ Manual Reset
- Low Gas Pressure Switch w/ Manual Reset
- Indoor/Outdoor Reset
- Low Water Cut-Off
- Probe Type
- Probe Type Manual Reset w/ Test

HARMONY SEQUENCER

- 1-4 Unit Master Control Module SMP2100
- 5-12 Unit Extension Module SMP2101
- Outdoor Air Sensor SMP2102

Harmony Sequencer Ordering Information

Sequencing of up to 4 Units requires the following:

- 1 - SMP3100 Master Control Module

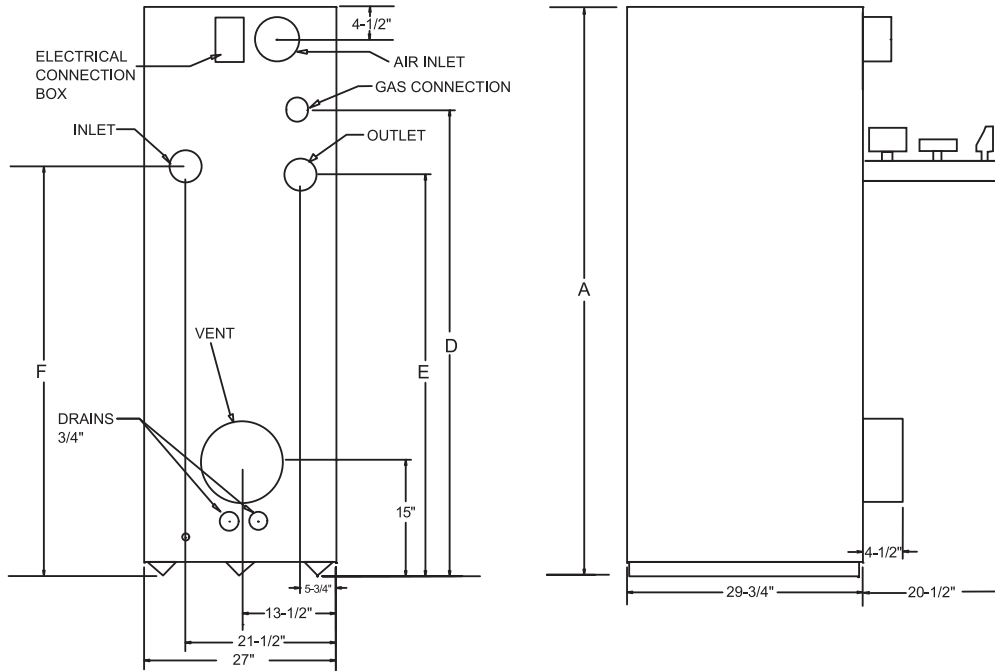
Sequencing of 5 - 12 units requires the following:

- 1 - SMP3100 Master Control Module
- and 1 - SMP3101 Extension Module

Firing Control Systems

- M9 HSI (Standard)
- M13 GE GAP/FM/IRI
- M7 California Code

Power-Fin Boiler Dimensions & Specifications



Model Number	Btu/Hr Input	Btu/hr Output	A	D	E	F	Air Inlet Size	Vent Size	Shipping Weight
PBN1500	1,500,000	1,305,000	66-3/4"	52-1/4"	42"	44-1/2"	6"	8"	1,115
PBN1700	1,700,000	1,479,000	71-1/4"	56-3/4"	46-1/2"	49"	7"	8"	1,150
PBN2000	2,000,000	1,740,000	78"	63-1/2"	53-1/4"	55-3/4"	8"	10"	1,245

Notes: Change 'N' to 'L' for L.P. Gas Model. No deration on L.P. models. Performance data based on manufacturer test results. All gas connections are 1-1/2" NPT. All water connections are 2-1/2".

Venting Options

- Sidewall
- Vertical
- DirectAire Vertical w/ Sidewall Inlet
- DirectAire Horizontal w/ Rooftop Inlet
- Direct Vent Horizontal
- Direct Vent Vertical
- Intelligent Venting Solutions

Electrical Requirements

Boiler 15 Amp Circuit Required



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