



INTELLI-FIN®
BOILER
Submittal Sheet
IFB-Sub-05

INTELLI-FIN® GAS BOILER

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

Standard Features

- Up to 97% Thermal Efficiency
- 25 - 100% Infinitely Proportional Firing Rate
- LonMark Building Management System Compatibility
- Command Display - 21 Point Diagnostic Control (One per Job Site)
- Variable Frequency Drive
- Digital Temperature Control Accurate to 1°F
- Alcomesh Burner with 5-Year Limited Warranty
- Manual Override Switch
- Low NOx Operation Exceeds the most Stringent Air Quality Requirements
- ASME Copper Finned Tube Heat Exchanger
- 160 PSI Working Pressure
- Gasketless Heat Exchanger Design
- Bronze Fitted Circulating Pump Mounted and Wired
- Glass-Lined Water Surfaces
- Internal Stainless Steel Jacket
- Internal Corrosion Protection
- Low Gas Pressure Operation
- Zero Clearance to Combustible Materials
- Alarm Contacts on any Failure
- Contacts for Air Louver
- ASME Pressure Relief Valve
- Temperature and Pressure Gauge
- Down Stream Test Cock
- Adjustable High Limit w/ Manual Reset
- Flow Switch
- Pump Delay
- Small Footprint
- Whisper Quite Operation
- 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
- Additional Command Display
- Cupro-Nickel Gasketless 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
- Neutralization Kit
- 4-20 mA Control (Stand alone boilers only) SMP 3040
- Remote Mount HIP SMP 3008

MONITORING

- Local Monitoring via Personal Computer** SMP 3007
includes serial LonTalk adapter & serial cable
- Remote Monitoring via Personal Computer** SMP 3006
includes serial LonTalk adapter, approved network modem and adapter cable

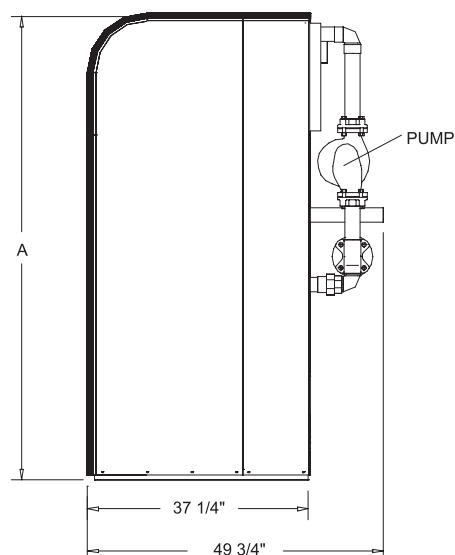
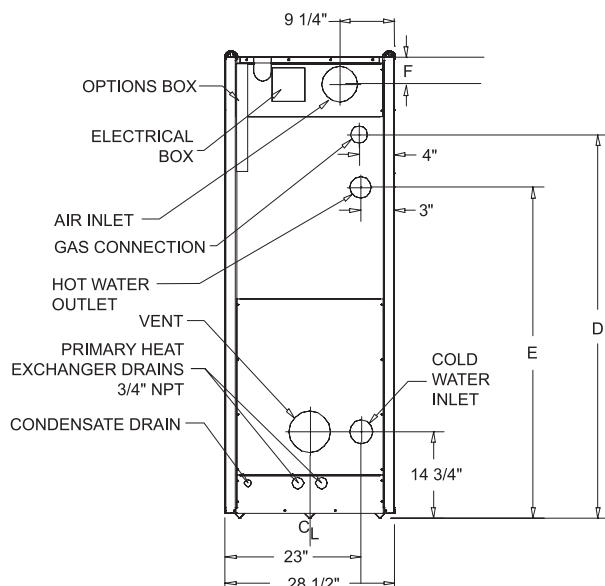
SEQUENCING

- Standard Sequencing Package** SMP 3001
First On/Last Off
- First On/First Off with Lead-Lag
- Standard Sequencing Package with I/O Reset** SMP 3002
- Standard Sequencing Package with 4-20 mA Control** SMP 3009
- Standard Sequencing Package with I/O Reset & 4-20 mA Control** SMP3013
- Custom Sequencing Package:** SMP 3004
Efficiency Optimization
- Efficiency Optimization with Run Time Equalization
- First On/Last Off
- First On/First Off with Lead-Lag
- Custom Sequencing Package with I/O Reset** SMP 3005
- Custom Sequencing Package with 4-20 mA Control** SMP 3010
- Custom Sequencing Package with I/O Reset & 4-20 mA Control** SMP3014

Firing Control Systems

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

Intelli-Fin Boiler Dimensions & Specifications



Model Number	Btu/hr Input	Btu/hr Output	A	D	E	F	Air Inlet Size	Vent Size	Shipping Weight
IBN1500	1,500,000	1,402,500	67-3/4"	52-3/4"	40-3/4"	4-1/2"	6"	6"	1475
IBN1700	1,700,000	1,589,500	72-1/4"	57-1/4"	45-1/4"	4-1/2"	7"	7"	1545
IBN2000	2,000,000	1,870,000	79"	64"	52"	6-1/2"	8"	8"	1610

Note: Change 'N' to 'L' for L.P. Gas Model.
All gas connections are 1-1/2" NPT.

No deration on LP models.
All water connections are 3".

Performance data based on manufacturer test results.

Venting Options

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

Amp Chart

Btu/hr Input	Blower & Controls	Pump	Approx. Total Amps@115VAC
1,500,000	5.5	8.8	14
1,750,000	7.1	8.8	16
2,000,000	7.1	8.8	16



Lochinvar®
High Efficiency Water Heaters, Boilers and Pool Heaters



Lochinvar Corporation • 300 Maddox Simpson Pkwy • Lebanon, TN 37090 • 615-889-8900/Fax: 615-547-1000

www.Lochinvar.com