**Hi-R-Temp® Packaged Hot Water Boilers**

**SPECIFICATIONS**

14,000,000 BTU/HR

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**DESIGN DETAILS**

**General Information**

- **Type of Boiler**: Coiled Tube
- **Model Series**: 5937
- **Rated Capacity**: 14,000,000 Btu/hr
- **Water Capacity**: 209 gal
- **Construction Codes**: ASME, Hartford, National Board
- **Boiler Shell Insulation**: Mineral Wool Insulation
- **Approx. Shipping Weight**: 19,000 lbs

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**Power Requirements**

- **Main Power**: 230/460/575 VAC, 3 Ph, 60 Hz
- **Control Power**: 120 VAC, 1 Ph, 60Hz
- **HP required by blower**: 20 HP

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**Overall Dimensions**

- **L x W x H**: 150” x 103” x 108”

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**Performance Data**

- **Fuel Consumption @ Rated Output**
  - **Gas**: 17,500 scfh
  - **Oil (No. 2)**: 122.1 gal/hr

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**Turndown Ratios**

- **Oil & Gas**: 8 to 1

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**Combustion and Ventilating Air Required**

- **Oil & Gas**: 4,510 scfm

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**Customer Connections**

- **Stack Outlet**: 28” O.D.
- **Water Inlet**: 4” Flange
- **Water Outlet**: 6” Flange
- **Main Gas Supply**: 3” NPT
- **Pilot Gas Supply**: 1/2” NPT
- **Oil Supply**: 1” NPT
- **Oil Return**: 3/4” NPT
- **Atomizing Air**: 3/8” NPT
- **Safety Valve Outlet (2)**: 1 1/2” NPT

**-Note: varies on application details**

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**Pressure & Temperature**

- **Pressure**: Up to 4000 psi
- **Temperature**: Up to 750° F

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**Controls**

- Low Combustion Air Switch, Flame Safeguard Control, Low Water Flow Switch, Coil Temperature Limit Switch, Automatic Time Delay Cooling Cycle, etc.

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**Burner**

- **Manufacturer**: Vapor Power
- **Fuel**: Natural Gas, No. 2 Fuel Oil, or Combination
- **Type (gas)**: Multiple Orifice Nozzle
- **Type (oil)**: Air Atomized

**Fuel Specifications**

- **Oil (No. 2)**: 141,000 Btu/U.S. gal
- **Gas**: 1000 Btu/cu ft
- **Main Burner**: 2 psig
- **Pilot Burner**: 6” W.C.

**Atomizing Air Requirements**

- **Oil (No. 2)**: 20 scfm @ 30 psig
- **Gas**: None required

**Ignition Type**

- **Oil & Gas**: Electric spark - interrupted gas pilot