Hi-R-Temp® Packaged Hot Water Boilers

SPECIFICATIONS  
16,000,000 BTU/HR

DESIGN DETAILS  
General Information
| Type of Boiler          | Coiled Tube             |
| Model Series           | 5937                    |
| Rated Capacity         | 16,000,000 Btu/hr       |
| Water Capacity         | 235 gal                 |
| Construction Codes     | ASME, Hartford, National Board |
| Boiler Shell Insulation| Mineral Wool Insulation |
| Approx. Shipping Weight| 21,000 lbs              |

Power Requirements
- **Main Power**: 230/460/575 VAC, 3 Ph, 60 Hz
- **Control Power**: 120 VAC, 1 Ph, 60Hz
- **HP required by blower**: 25 HP

Overall Dimensions
- L x W x H: 168” x 103” x 108”

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

Performance Data
- **Fuel Consumption @ Rated Output**
  - **Gas**: 20,000 scfh
  - **Oil (No. 2)**: 140.4 gal/hr

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

Combustion and Ventilating Air Required:
- **Oil & Gas**: 4,510 scfm

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

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