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

**SPECIFICATIONS**

| 400,000 BTU/HR |

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**DESIGN DETAILS**

**General Information**
- **Type of Boiler**: Coiled Tube
- **Model Series**: 4234
- **Rated Capacity**: 400,000 Btu/hr
- **Water Capacity**: 10 gal
- **Construction Codes**: ASME, Hartford, National Board
- **Boiler Shell Insulation**: Mineral Wool Insulation
- **Approx. Shipping Weight**: 1,800 lbs

**Power Requirements**
- **Main Power**: 230/460/575 VAC, 3 Ph, 60 Hz
- **Control Power**: 120 VAC, 1 Ph, 60Hz
- **HP required by blower**: 1 1/2 HP

**Overall Dimensions**
- **L x W x H**: 68" x 30" x 59"

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

**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)**: 3 scfm @ 30 psig
- **Gas**: None required

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

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**Performance Data**

**Fuel Consumption @ Rated Output**
- **Gas**: 513 scfh
- **Oil (No. 2)**: 3.6 gal/hr

**Turndown Ratios:**
- **Oil & Gas**: 7 to 1

**Combustion and Ventilating Air Required:**
- **Oil & Gas**: 137 scfm

**Customer Connections**
- **Stack Outlet**: 8" O.D.
- **Water Inlet**: 2" Flange
- **Water Outlet**: 1 1/2" Flange
- **Main Gas Supply**: 2" NPT
- **Pilot Gas Supply**: 1/2" NPT
- **Oil Supply**: 3/4" NPT
- **Oil Return**: 1/2" NPT
- **Atomizing Air**: 3/8" NPT
- **Safety Valve Outlet**: 1 1/4" NPT

*Note: varies on application details*