



PeerlessBoilers.com

Series 63/64

*Residential/Semi-Commercial
Gas Boilers*



Quality Heating Products



Hard work and dedication by skilled employees have made us one of today's top cast iron boiler manufacturers. From the beginning, our main priority has been to serve customers' needs and to provide them with the best built cast iron boilers on the market. That commitment, still true today, is evident in all of our products and services.

Commitment to Comfort

We concentrate our efforts in one direction—hydronic heating. Hydronic heating is the most practical, dependable, efficient and versatile method available for heating a home. Hydronic systems heat by convection and radiation without the need for fans or blowers. This method of heat transfer is gentle and cleaner than that of warm air furnaces and heat pumps, keeping your family warm, healthy and happy.



The Series 63 Boiler

The Series 63 boiler is a residential, gas-fired boiler for hot water or steam systems. Shipped as knockdown (factory assembled sections), the boiler comes in seven sizes ranging from three to six sections (steam boilers are also available as packaged units). The Series 63 boiler is available for either natural or LP gas and has AFUE ratings of up to 83.5%. A single vent draft hood allows for natural draft (chimney) venting. The significant water content of the Series 63 boiler makes it ideal for large volume hot water applications. Standard equipment on the Series 63 boiler includes steel push nipples that provide a permanent, watertight seal between sections. A probe type, low water cut-off is standard on steam boilers only. All Series 63 boilers include standard standing pilot ignition (spark ignition is available as an option), Honeywell operating controls, vent damper and a slide-in, pre-assembled burner tray. A deluxe, insulated, enameled steel jacket completely encloses gas valves and burners, and reduces boiler heat loss. The low profile design of the Series 63 boiler works well for limited clearance installations.

The Series 64 Boiler

The Series 64 boiler is a semi-commercial, atmospheric, gas-fired boiler for hot water or steam systems. Ranging from seven to 12 sections in six sizes, the Series 64 boiler has a combustion efficiency up to 83% and an input of 345 to 632.5 MBH. The Series 64 boiler is offered as either a packaged unit or knockdown with factory assembled split block sections for ease of handling. The boiler is available for either natural or LP gas with spark ignition (seven and eight section boilers are also available with standing pilot ignition). A single vent draft hood allows for natural draft (chimney) venting. The Series 64 boiler features a sizeable water content ideal for steam and large volume, hot water jobs. All boilers have steel push nipples that provide a permanent, watertight seal between sections, and a manual reset high limit control. Steam boilers offer a probe type low water cut-off and skim tapping for thorough cleaning. Standard equipment on the Series 64 boiler include Honeywell operating controls and a deluxe, insulated, enameled steel jacket that completely encloses gas valves and burners, to reduce boiler heat loss. The low profile design of the boiler allows it to be used in limited

Domestic Hot Water

The Peerless® Partner® indirect-fired water heater provides a true advancement in hot water generation. By utilizing the Series 63/64 boiler as its heat source, the boiler fires only when necessary and transfers heat energy from the boiler to the water heater through a highly efficient cupronickel, fin-tube heat exchanger.

The heater functions as a separate heating zone and water movement is regulated from the boiler through the heater coil by a separate circulator or zone valve.

The Peerless Partner water heater has two or more times the recovery rate of gas-fired water heaters and supplies as much as five times the amount of hot water as a comparably sized electric water heater.

Because of its light weight and durable plastic jacket, the Partner water heater is easy to install and virtually maintenance free. The Peerless Partner indirect-fired water heater is the perfect companion to the Series 63/64 boiler, as well as a sensible and efficient addition to your home heating system.

- *Modern Coil Design*
- *Minimal Standby Temperature Loss*
- *Rapid Recovery Rate*
- *Easy Installation*
- *Long Lasting Stainless Steel Construction*
- *No Separate Chimney or Burner Needed*

Peerless® Partner® Indirect-Fired Water Heater Standard Equipment

- *High-Grade 316L Stainless Steel Tank*
- *Enclosed Thermostat Well*
- *Maintenance-Free Plastic Jacket*
- *Adjustable Honeywell Control*
- *2" Polyurethane Foam Insulation*
- *T&P Relief Valve*
- *Cupronickel, Fin-Tube Heat Exchanger*



Complete Warranty Program

We believe that the customer's peace of mind is very important. To help develop that security, we have created a comprehensive warranty program for both residential and commercial cast iron boilers. These warranties are **"full cost"** warranties (up to the original cost of the boiler), rather than the pro-rated warranties currently offered by other boiler manufacturers. This warranty coverage does not decrease with time, rather, it remains complete for the entire length of the warranty. Customers can rest easy, knowing that their new boiler will provide years of dependable home heating comfort.

All residential cast iron boilers include a full one-year warranty. The Series 63 has a limited, lifetime warranty on the cast iron sections of all water boilers and a limited, ten-year warranty on the cast iron sections


of all steam boilers. All commercial boilers include a limited, one-year warranty on the entire boiler. The Series 64 has a limited, ten-year warranty on the cast iron sections of its commercial boilers. Five and ten year extended warranties on parts and labor are also available.

This summary is not a specific warranty. Consult us for complete details on all of our cast iron boiler warranties.



For additional information on our products and services, visit our website at PeerlessBoilers.com. Loaded with valuable information, this user-friendly tool is a quick and easy way to answer many of your heating questions.

Product Ratings

| <div>Series 63</div> | | | | | | | | | | | Water Content | | Approx. Shipping Weight, lb |
|---|------------|-------------------------------------|-------|--------------------------------|------------|------------|----------------------------------|----------|----------------------------------|----------|---------------|------------|-----------------------------|
| Model Number | Input, MBH | Heating Capacity ² , MBH | | Net I=B=R Ratings ¹ | | | Standing Pilot AFUE ² | | Spark Ignition AFUE ² | | | | |
| | | Water | Steam | Steam, sqft | Steam, MBH | Water, MBH | Water, % | Steam, % | Water, % | Steam, % | Water, gal | Steam, gal | |
| 63-03L | 88.5 | 73 | 74 | 233 | 56 | 63 | 80.9 | 80.6 | 82.4 | 83.0 | 13.2 | 9.3 | 465 |
| 63-03 | 118 | 99 | 98 | 308 | 74 | 86 | 82.1 | 81.2 | 83.5 | 82.6 | 13.2 | 9.3 | 465 |
| 63-04L | 147.5 | 123 | 123 | 383 | 92 | 107 | 81.4 | 80.6 | 82.7 | 82.6 | 15.6 | 10.8 | 576 |
| 63-04 | 177 | 148 | 147 | 458 | 110 | 129 | 82.1 | 81.0 | 83.4 | 82.4 | 15.6 | 10.8 | 576 |
| 63-05L | 206.5 | 172 | 171 | 533 | 129 | 150 | 81.9 | 80.7 | 82.9 | 82.3 | 18.0 | 12.4 | 700 |
| 63-05 | 236 | 198 | 196 | 613 | 147 | 172 | 82.2 | 80.9 | 83.3 | 82.2 | 18.0 | 12.4 | 700 |
| 63-06 | 287.5 | 241 | 238 | 746 | 179 | 210 | 82.3 | 80.7 | 83.2 | 82.0 | 20.4 | 13.9 | 812 |

| Series 64 | | | | | | | | | | | Water Content | | Approx. Shipping Weight, lb |
|--------------|------------|---------------------------------|-------|--------------------------------|------------|------------|--------------------|----------|------------------------------------|----------|---------------|------------|-----------------------------|
| Model Number | Input, MBH | Gross Output ³ , MBH | | Net I=B=R Ratings ¹ | | | Thermal Efficiency | | Combustion Efficiency ³ | | | | |
| | | Water | Steam | Steam, sqft | Steam, MBH | Water, MBH | Water, % | Steam, % | Water, % | Steam, % | Water, gal | Steam, gal | |
| 64-07 | 345 | 286 | 279 | 873 | 210 | 249 | 81.0 | 79.0 | 83.0 | 81.0 | 22.8 | 15.5 | 945 |
| 64-08 | 399 | 331 | 323 | 1010 | 242 | 288 | 81.0 | 79.0 | 83.0 | 81.0 | 25.2 | 17.0 | 1081 |
| 64-09 | 460 | 382 | 373 | 1165 | 280 | 332 | 81.0 | 79.0 | 83.0 | 81.0 | 27.6 | 18.6 | 1218 |
| 64-10 | 517.5 | 430 | 419 | 1310 | 314 | 374 | 81.0 | 79.0 | 83.0 | 81.0 | 30.0 | 20.1 | 1354 |
| 64-11 | 575 | 477 | 466 | 1456 | 349 | 415 | 81.0 | 79.0 | 83.0 | 81.0 | 32.4 | 21.7 | 1490 |
| 64-12 | 632.5 | 525 | 512 | 1601 | 384 | 457 | 81.0 | 79.0 | 83.0 | 81.0 | 34.8 | 23.2 | 1527 |

- 1 Net I=B=R Ratings are based on DOE Heating Capacity or Gross Output less an allowance for normal piping and pickup as determined by the Testing and Rating Standard for Low Pressure Cast Iron Heating Boilers of the Hydronics Institute. Water ratings are based on a piping and pickup factor of 1.15. Steam ratings are based on a piping and pickup factor of 1.33. Consult us before selecting a boiler for gravity hot water installations or for installations having unusual piping and pickup requirements such as exposed piping, night set-back, etc. Ratings shown are for elevations up to 2,000 feet. For elevations above 2,000 feet, ratings should be reduced at the rate of 4% for each 1,000 feet above sea level.
- 2 Heating Capacity and Annual Fuel Utilization Efficiency (AFUE) ratings are based on U.S. Government tests. Before purchasing this appliance, read important information about its estimated annual energy consumption or energy efficiency rating that is available from your retailer.
- 3 Combustion efficiency and gross output are determined in accordance with ANSI Z21.13 / CSA 4.9, *Gas-Fired Low-Pressure Steam and Hot Water Boilers*.



A quality casting is the foundation for all our cast iron boilers.



Standard and Optional Equipment

Series 63/64 Features

- Large Water Volume
- Packaged (3-6) or Knockdown Boilers
- Standing Pilot or Spark Ignition
- Electrically Operated Vent Damper (Standard on Series 63)
- Natural Draft Venting
- Natural Gas & LP Gas
- Steam or Hot Water Boilers
- Skim Tapping for Cleaning Steam Boilers

Series 63/64 Standard Equipment

- Deluxe Insulated Enameled Steel Jacket
- Cast Iron Sections - Factory Tested & Assembled (3-6) or Split-Assembled (7-12)
- Pre-assembled Wiring Harnesses
- Vent Damper (Series 63 Only)
- Blocked Vent Switch
- Flame Roll-out Switch
- Drain Valve

Water

- 30 PSI Safety Relief Valve
- Limit Control
- Temperature-Pressure Gage
- Manual Reset Limit Control (9-12)

Water (cont.)

- Circulator Relay

Steam

- 15 PSI Safety Valve
- Pressure Gage
- Gage Glass
- Probe Type Low Water Cut-off
- Pressure Control
- Tappings for Primary & Secondary Probe Low Water Cutoff
- Skim Tapping
- Manual Reset Limit Control (9-12)

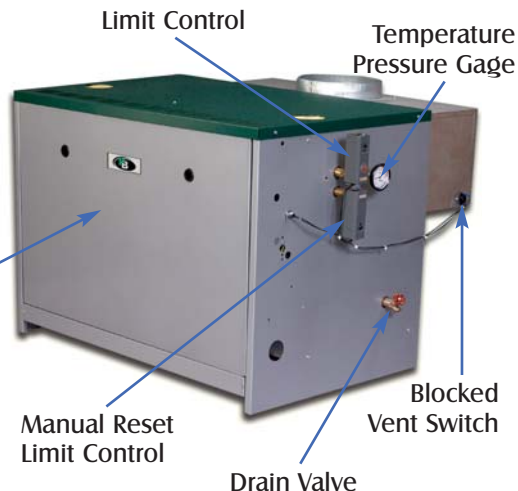
Series 63/64 Optional Equipment

- 50 PSI Safety Relief Valve (Water Models Only)
- Circulator (63 Series Water Models Only)
- Float Type LWCO
- Vent Damper (Series 64)

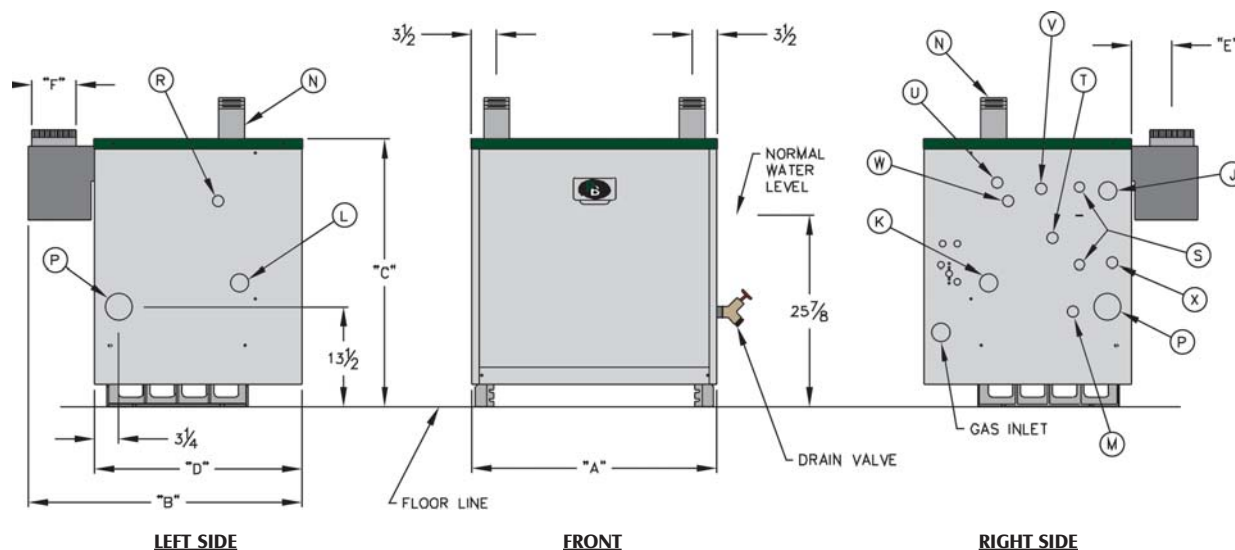
63 - Steam



64 - Water



Technical Information



Boiler Dimensions

| Boiler Model | Width "A" | Depth "B" | Top to Floor "C" | Jacket Depth "D" | Rear of Jacket to c/l of Flue "E" | Flue Size "F" | |
|--------------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|-----------------------------------|----------------------------------|---------------------------------|
| 63-03L | 16 ¹ / ₈ " | 37 ¹ / ₄ " | 36 ³ / ₈ " | 28 ¹ / ₈ " | 5 ⁵ / ₈ " | 6" | |
| 63-03 | | | | | | | |
| 63-04L | 20 ³ / ₈ " | | | | 5 ¹ / ₈ " | 7" | |
| 63-04 | | 39 ¹ / ₄ " | | | | | |
| 63-05L | 24 ⁵ / ₈ " | 39 ¹ / ₄ " | | 36 ³ / ₈ " | 28 ¹ / ₈ " | 6 ⁵ / ₈ " | 8" |
| 63-05 | | | | | | | |
| 63-06 | 28 ⁷ / ₈ " | | | | | 6 ¹ / ₈ " | 9" |
| 64-07 | 33 ¹ / ₈ " | 43 ¹ / ₈ " | | | | 30 ¹ / ₈ " | 7 ¹ / ₂ " |
| 64-08 | 37 ³ / ₈ " | | | | | | |
| 64-09 | 41 ⁵ / ₈ " | | | | | | |
| 64-10 | 45 ⁷ / ₈ " | | | | | | |
| 64-11 | 50 ¹ / ₈ " | 45 ¹ / ₈ " | | | | 8 ¹ / ₂ " | 12" |
| 64-12 | 54 ³ / ₈ " | | | | | | |

Tapping Locations

| Tap ID | Size N.P.T. | Steam | Water |
|--------|-------------|-----------------------------------|----------------------------|
| J | 1 1/4" | Skim Tapping | Skim Tapping |
| K | 1" | Tank Supply/Limit | N/A |
| L | 1" | Tank Return | N/A |
| M | 3/4" | Boiler Drain | Boiler Drain |
| N | 3" | Supply | Supply |
| P | 2 1/2" | Return | Return |
| R | 3/4" | Safety Valve | Relief Valve |
| S | 1/2" | Gauge Glass | N/A |
| T | 3/4" | Primary Probe Low Water Cut-Off | N/A |
| U | 3/4" | Primary Limit | Primary Limit |
| V | 3/4" | Secondary Limit | Pressure/Temperature Gauge |
| W | 3/4" | Pressure Gauge | Secondary Limit |
| X | 3/4" | Secondary Probe Low Water Cut-Off | N/A |



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