



PeerlessBoilers.com

Residential & Commercial Boilers



**A FULL LINE OF RESIDENTIAL AND COMMERCIAL, GAS AND OIL-FIRED BOILERS,
FOR HOT WATER OR STEAM SYSTEMS.**



PeerlessBoilers.com



Series WBV/WV™



Cast 92™



Series MI/MIH™

Each individual employee, from design engineers to skilled assembly personnel, is committed to working together to provide you with the best-built boiler on the market. Our employees take great pride in building Peerless® products. They understand that attention to detail will ensure that every boiler meets or exceeds all minimum federal safety and efficiency requirements, but more importantly, meets the tough standards mandated by the company and demanded by you, the consumer. Our commitment to quality does not stop internally. PB Heat, LLC has manufacturer's representatives for our products throughout the country. When establishing partnerships with those who sell our products, we seek companies whose high standards and strong work ethic match our own. By ensuring that our products are sold by the very best in the industry, through the best network of distributors and contractors available, you can rest assured that you are receiving top-quality products that will provide years of dependable home heating comfort to you and your family.

Visit Our Website at:
PeerlessBoilers.com



Series GM Flex-Heat®



Peerless® PUREFIRE®

Gas-Fired



CONTROLS



Type: Residential/Commercial
Construction: Stainless Steel
Fuel: Gas-Fired
Input: 16 to 399 MBH
Output: 46 to 373 MBH
Venting: Direct Vent, Sealed Combustion
Trim: Water
Ignition: Direct Spark

- Up to 97.3% AFUE – ENERGY STAR® Efficient
- Direct Vent, Sealed Combustion
- Natural or LP Gas
- State-of-the-Art Control Board
- Fully Modulating, Pre-Mixed Burner
- Outdoor reset and Cascade Capable
- Compact, Lightweight, Small Footprint



Series Peerless® PUREFIRE® Boiler Ratings

Model Number	Input, MBH		Heating Capacity ³ , MBH	Net I=B=R Ratings Water ¹ , MBH	AFUE ³ , %
	Minimum	Maximum			
PF-50*	16	50	46	40	95.09
PF-80*	26	80	73	63	95.22
PF-110*	36	110	101	88	95.84
PF-140*	46	140	130	113	95.38
PF-210*	42	210	192	167	97.30

* As an ENERGY STAR® Partner, PB Heat has determined that these firing rates meet the ENERGY STAR guidelines for energy efficiency.
¹ Net I=B=R water ratings based on an allowance of 1.15.
² Consult factory before selecting a boiler for installations having unusual piping and pickup requirements, such as intermittent system operation, extensive piping systems, etc.
³ Heating Capacity and Annual Fuel Utilization Efficiency (AFUE) ratings are based on U.S. Government test. Before purchasing this appliance, read important information about its estimated annual energy consumption or energy efficiency rating that is available from your retailer.

Peerless® Combi 160™

Gas-Fired

Type: Residential
Construction: Stainless Steel
Fuel: Gas-Fired (Natural or LP)
Input: 30 to 160 MBH
Output: 27 to 142 MBH
Venting: Direct Vent,
 Sealed Combustion
Trim: Water
Ignition: Direct Spark



- 93% AFUE - ENERGY STAR® Efficient
- Gas-fired Condensing Boiler for Natural or LP Gas
- ASME Stainless Steel Heat Exchanger
- Built-in Tankless Heater for Domestic Hot Water
- Pre-mixed Gas Burner Technology
- Environmentally Friendly—LoNOx Operation
- Continuous 5 to 1 Modulation

Peerless® Combi 160™ Boiler Ratings and Engineering Data	
Technical Data	
Nominal Heat Input	160,000 Btu/hr
Minimum Heat Input	30,000 Btu/hr
AFUE Efficiency	93%
*DOE Heating Capacity (Based on Standard Test Specified by The United States Department of Energy)	142,000 Btu/hr
Net I=B=R Rating (Based on Allowance of 1.15)	123,000 Btu/hr
Maximum Heating Temperature	189°F
Maximum Heating Pressure	30 psi
Maximum Pressure of Domestic Hot Water Circuit	125 psi
Capacity of Expansion Tank	2.64 gal
Nominal Power Supply Voltage	120/60 V/Hz
Electric Power	170 W
Flue Gas Pipes Diameter (Split) (Polypropylene)	3"
Flue Gas Pipes Max. Length (Split) (Polypropylene)	300 ft Equivalent
Flue Gas Pipes Diameter (Concentric) (Polypropylene)	2.36" / 3.94"
Flue Gas Pipes Max, Length (Concentric) (Polypropylene)	70 ft Equivalent
NOx Contents (0% O ₂ with Natural Gas)	<30
Dimensions L x D x H (Approximate)	20" x 10" x 30"
Connections (Supply - Return - D.H.W. - D.C.W. - Gas)	3/4"
Weight	100 lbs

Cast 92™

Gas-Fired



ASME



Type: Residential/Commercial
Construction: Cast Iron
Fuel: Gas-Fired (Natural or LP)
Input: 40 to 399 MBH
Output: 37 to 370 MBH
Venting: Direct Vent, Sealed
 Combustion
Trim: Water
Ignition: Direct Spark

- 92.7% AFUE - ENERGY STAR® Efficient!
- Gas-fired Condensing Boiler for Natural or LP Gas
- Cast Iron Sections with Steel Push Nipple Connectors
- Advanced Digital Control Board Technology
- Environmentally Friendly—Low Emissions for both CO₂ and NO_x
- 5:1 Continuous Turndown



Cast 92™ Boiler Ratings																				
Model Number	Input, MBH	Output, MBH	Gas Pressure, W.C.		Voltage	Flow GPM		Temp. Rise (°F)		Vent Length, Equiv. Ft.		Air Inlet Length, Equiv. Ft.		Water Volume, Gallons	Flue Dia.	Current FLA, Amps	Boiler H.P.	NET I=B=R Ratings, MBH	AFUE, %	
			Min	Max		Min	Max	Min	Max	Min	Max	Min	Max							
92-2	199	184	2"	14"	120VAC/60Hz/IPH	2**	36	20	100	0	100	0	100	4.75	3"	2.75	5.3	150	92.7	
																			Thermal Efficiency, %	Combustion Efficiency, %
92-4	399	370	2"	14"	120VAC/60Hz/IPH	4**	72	20	100	0	100	0	100	7.125	4"	5	10.6	322	92.7	87.7

**At 100% Input

Series MI/MIH™

Gas-Fired

Type: Residential
Construction: Cast Iron
Fuel: Gas-Fired
 (MI™ - Natural or LP; MIH™ - Natural)
Input: 65 to 260 MBH
Output: 55 to 211 MBH
Venting: Natural Draft
Trim: Water
Ignition: MI™ - Standing Pilot or Intermittent;
 MIH™ - Intermittent



- Packaged Residential Hot Water Boilers
- Natural or LP Gas
- Natural Draft (Chimney) Venting
- Standing Pilot or Intermittent Ignition
- Low Profile Design
- Steel Push Nipples

Series MI/MIH™ Boiler Ratings

Series MI/MIH™						Water Content, gal
Model Number	Input, MBH	Heating Capacity ³ , MBH	Net I=B=R Ratings Water ^{1,2} , MBH	Standing Pilot AFUE ³ , %	Intermittent Ignition AFUE ³ , %	
MI-03	70	58	50	80.2	82.2	4.72
MI-04	105	86	75	80.2	82.1	6.00
MI-05	140	115	100	80.2	82.0	7.28
MI-06	175	143	124	80.3	82.0	8.56
MI-07	195	160	139	80.5	82.0	9.84
MI-08	227.5	186	162	80.3	82.0	11.12
MI-09	260	211	183	80.1	82.0	12.40
MI/MIH II-03	65	55	48	-	83.8	4.72
MI/MIH II-04	97.5	82	71	-	83.7	6.00
MI/MIH II-05	130	109	95	-	83.6	7.28
MI/MIH II-06	162.5	136	118	-	83.5	8.56

Note: Minimum Supply Gas Pressure: Standard 5 in. W.C. Natural Gas - 11 in. W.C. LP Gas.

1 Net I=B=R water ratings based on an allowance of 1.15.

2 Consult factory before selecting a boiler for installations having unusual piping and pickup requirements, such as intermittent system operation, extensive piping systems, etc.

3 Heating Capacity and Annual Fuel Utilization Efficiency (AFUE) ratings are based on U.S. Government test. Before purchasing this appliance, read important information about its estimated annual energy consumption or energy efficiency rating that is available from your retailer.

Series DE™

Gas-Fired



Type: Residential
Construction: Cast Iron
Fuel: Gas-Fired (Natural or LP)
Input: 70 to 165 MBH
Output: 58 to 136 MBH
Venting: Direct Exhaust or Natural Draft
Trim: Water
Ignition: Fan-Assisted Intermittent

- Packaged Residential Hot Water Boilers
- Natural or LP Gas
- Direct Exhaust or Natural Draft (Chimney) Venting
- Intermittent Ignition



Series DE™ Boiler Ratings

Series DE™					Water Content, gal
Model Number	Input, MBH	Heating Capacity ³ , MBH	Net I=B=R Ratings Water ^{1,2} , MBH	Intermittent Ignition AFUE ³ , %	
DE-03	70	58	50	82.1	4.72
DE-04	105	87	76	82.0	6.00
DE-05	140	116	101	82.0	7.28
DE-06	165	136	118	82.0	8.56

Note: Minimum Supply Gas Pressure: Standard 5 in. W.C. Natural Gas - 11 in. W.C. LP Gas.
 1 Net I=B=R water ratings based on an allowance of 1.15.
 2 Consult factory before selecting a boiler for installations having unusual piping and pickup requirements, such as intermittent system operation, extensive piping systems, etc.
 3 Heating Capacity and Annual Fuel Utilization Efficiency (AFUE) ratings are based on U.S. Government test. Before purchasing this appliance, read important information about its estimated annual energy consumption or energy efficiency rating that is available from your retailer.

Series PSC II™


Gas-Fired

Type: Residential
Construction: Cast Iron
Fuel: Gas-Fired (Natural or LP)
Input: 65 to 150 MBH
Output: 56 to 128 MBH
Venting: Direct Vent, Sealed Combustion
Trim: Water
Ignition: Fan Assisted Intermittent



- Up to 86% AFUE - ENERGY STAR® Efficient
- Packaged Residential Hot Water Boilers
- Natural or LP Gas
- Direct Vent, Sealed Combustion
- Intermittent Ignition
- Unique Wall Thimble

Series PSC II™ Boiler Ratings

 Series PSC II™					Water Content, gal
Model Number	Input, MBH	Heating Capacity ³ , MBH	Net I=B=R Ratings Water ^{1,2} , MBH	Intermittent Ignition AFUE ³ , %	
PSC II-03*	65	56	49	86.0	4.72
PSC II-04*	90	77	67	85.0	6.00
PSC II-05*	120	102	89	85.0	7.28
PSC II-06*	150	128	111	85.1	8.56

Note: Minimum Supply Gas Pressure: Standard 5 in. W.C. Natural Gas - 11 in. W.C. LP Gas.

* As an ENERGY STAR® Partner, PB Heat has determined that these firing rates meet the ENERGY STAR guidelines for energy efficiency.

1 Net I=B=R water ratings based on an allowance of 1.15.

2 Consult factory before selecting a boiler for installations having unusual piping and pickup requirements, such as intermittent system operation, extensive piping systems, etc.

3 Heating Capacity and Annual Fuel Utilization Efficiency (AFUE) ratings are based on U.S. Government test. Before purchasing this appliance, read important information about its estimated annual energy consumption or energy efficiency rating that is available from your retailer.

Peerless® Pinnacle® Oil



Type: Residential
Construction: Stainless Steel
Fuel: Oil-Fired
Input: 70 to 84 MBH
Output: 56 to 67 MBH
Venting: Direct Vent
Trim: Water
Combustion: Sealed Combustion

Oil-Fired

- 92% AFUE - ENERGY STAR® Efficient
- Direct Vent, Sealed Combustion
- High Efficiency, Fully Condensing Oil Boiler
- Beckett AFG Burner
- ASME Rated Heat Exchanger
- No Secondary Heat Exchanger
- Quiet Operation
- Two Firing Rates Available
- Multi-Functional Controls
- Slim Design/Small Footprint



Series Peerless® Pinnacle® Oil Boiler Ratings

Series Peerless® Pinnacle® Oil					AFUE ⁵ , %
Model Number ¹	Input ²		Heating Capacity ³ , MBH	Net I=B=R Ratings Water ⁴ , MBH	
	GPH	MBH			
PO-70*	0.50	70	64	56	91.7
PO-70A* ¹	0.50	70	65	56	92.0
PO-84*	0.60	84	77	67	91.3
PO-84A* ¹	0.60	84	77	67	91.8

* As an ENERGY STAR® Partner, PB Heat has determined that these firing rates meet the ENERGY STAR guidelines for energy efficiency.
¹ Models PO-70A and PO-84A designate boilers using an alternate minimum vent length of 25 equivalent feet.
² Firing Rate is based on commercial standard #2 fuel oil with a heating value of 140,000 BTU/gallon. Burner input is based on a maximum altitude of 2,000 ft. - for higher altitudes consult the factory.
³ Heating Capacity ratings are based on U.S. Government standard tests, with 13.0% CO₂.
⁴ The Net I=B=R Output Ratings are based on a pick-up allowance of 1.15. Consult the factory before selecting a boiler for gravity hot water installations or installations having unusual piping and pick-up requirements, such as intermittent system operation and extensive piping systems.
⁵ Heating Capacity, Net I=B=R Output, and Annual Fuel Usage Efficiency (AFUE) are based on testing required by the FTC and are 3rd Party Verified.
⁶ Must be used with factory supplied 80mm polypropylene venting system.

PRO™ Series

Type: Residential
Construction: Cast Iron
Fuel: Oil-Fired
Input: 84 to 175 MBH
Output: 73 to 151 MBH
Venting: Natural Draft
Trim: Water
Combustion: Flame Retention Burner



Oil-Fired



- Up to 86.5% AFUE - ENERGY STAR® Efficient
- Packaged Residential Hot Water Boiler
- High Efficiency, Flame Retention Burners
- Natural Draft (Chimney) Venting
- Three Pass
- Deluxe Insulated Enameled Steel Jacket
- Lightweight, Small Footprint

PRO™ Series Boiler Ratings

Model Number	Input ³		Heating Capacity ¹ , MBH	Net I=B=R Ratings Water ² , MBH	AFUE ⁴ , %	Minimum Stack Draft Required, in. W.C.	Weight, lb
	GPH	MBH					
PRO-03-060*	0.60	84	73	63	85.4	-.01"	280
PRO-04-080*	0.80	112	98	85	86.4	-.01"	310
PRO-04-100*	1.00	140	121	105	85.2	-.01"	310
PRO-05-100*	1.00	140	123	107	86.5	-.01"	350
PRO-05-125*	1.25	175	151	131	85.2	-.01"	350

* As an ENERGY STAR® Partner, PB Heat has determined that these firing rates meet the ENERGY STAR guidelines for energy efficiency.

1 Heating Capacity ratings are based on U.S. Government standard tests, with 13.0% CO₂.

2 Ratings are based on a piping pick-up allowance of 1.15. Consult factory before selecting a boiler for gravity hot water installations and installations having unusual piping and pick-up requirements, such as intermittent system operation, extensive piping systems, etc.

3 Firing rate is based on a fuel oil with a heating value of 140,000 BTU per gallon. Burner input based on maximum altitude of 2,000 ft. - for other altitudes consult factory.

4 Heating Capacity and Annual Fuel Utilization Efficiency (AFUE) ratings are based on U.S. Government test. Before purchasing this appliance, read important information about its estimated annual energy consumption or energy efficiency rating that is available from your retailer.

5 Chimney size 8" x 8" x 20'.

Series EC/ECT™



Type: Residential
Construction: Cast Iron
Fuel: Oil-Fired
Input: 105 to 420 MBH
Output: 91 to 347 MBH
Venting: Natural Draft
Trim: Water or Steam
Combustion: Flame Retention Burner

Oil-Fired

- Large Water Volume
- Packaged or Knockdown Oil Boilers
- Natural Draft (Chimney) Venting
- Flame Retention Burners
- Steam or Hot Water Boilers
- Optional Tankless Coils
- Skim Tapping for Cleaning Steam Boilers



Series EC/ECT™ Boiler Ratings

Model Number	Input		Output ⁵ , MBH		Net I=B=R Ratings ⁴			AFUE, %		Thermal Efficiency ⁶ , %	Combustion Efficiency, %	Water Content, gal		Minimum Stack Draft Required, in. W.C.
	GPH ¹	MBH	Water	Steam	Steam, sqft	Water, MBH ²	Steam, MBH ³	Water	Steam			Water	Steam	
EC/ECT-03*	0.75	105	92	91	283	80	68	86.6*	85.4*	-	-	17.40	14.16	-0.03
EC/ECT-03*	1.00	140	121	120	375	105	90	85.3*	84.4	-	-	17.40	14.16	-0.04
EC/ECT-03	1.20	168	144	142	446	125	107	83.9	82.9	-	-	17.40	14.16	-0.05
EC/ECT-04*	1.25	175	152	151	471	132	113	86.1*	85.1*	-	-	21.72	17.28	-0.03
EC/ECT-04*	1.50	210	181	180	563	157	135	85.2*	84.5	-	-	21.72	17.28	-0.04
EC/ECT-04	1.75	245	209	208	650	182	156	84.5	83.8	-	-	21.72	17.28	-0.05
EC/ECT-05*	1.75	245	214	212	663	186	159	86.2*	85.6*	-	-	26.04	20.40	-0.03
EC/ECT-05*	2.00	280	241	240	750	210	180	85.2*	84.6	-	-	26.04	20.40	-0.04
EC/ECT-05†	2.50	350	286	286	896	249	215	-	-	81.9	84.1	26.04	20.40	-0.05
EC/ECT-06†	2.75	385	321	321	1,004	279	241	-	-	83.3	84.4	30.36	23.52	-0.04
EC/ECT-06†	3.00	420	347	347	1,083	302	261	-	-	82.5	83.7	30.36	23.52	-0.05

* As an ENERGY STAR® Partner, PB Heat has determined that these firing rates meet the ENERGY STAR guidelines for energy efficiency.
 † All chimneys are 8" x 8" x 20' except those models denoted with (†), which are 8" x 12" x 20'.
 1 Burner input based on No. 2 fuel oil with a heating value of 140,000 BTU per gallon.
 2 Net I=B=R water ratings based on an allowance of 1.15.
 3 Net I=B=R steam ratings based on an allowance of 1.333.
 4 Consult factory before selecting a boiler for installations having unusual piping and pickup requirements, such as intermittent system operation, extensive piping systems, etc.
 5 Output is Heating Capacity for models with inputs <300 MBH and Gross Output for models with inputs ≥300 MBH. Heating Capacity and Annual Fuel Utilization Efficiency (AFUE) ratings are based on U.S. Government tests, with 13% CO₂ and -0.02 in. W.C. draft over fire. Before purchasing this appliance, read important information about its estimated annual energy consumption or energy efficiency rating that is available from your retailer.
 6 Combustion efficiency and gross output are determined in accordance with The Hydronics Institute's Testing and rating standard for Heating Boilers; @ 12.5% CO₂ and -0.02 in. W.C. draft over fire.

Series WV-DV™

Type: Residential
Construction: Cast Iron
Fuel: Oil-Fired
Input: 105 to 182 MBH
Output: 92 to 158 MBH
Venting: Direct Vent
Trim: Water
Combustion: Flame Retention Burner, Sealed Combustion Burner



Oil-Fired

- Direct Vent, Sealed Combustion
- Fully Packaged, Cast Iron, Oil Boiler
- Hot Water Boiler
- Large Water Content, Wet-Base Section Design
- High Efficiency, Sealed Combustion, Flame Retention Burners
- Solid State Burner Control with Pre- and Post-Purge
- ETL Design Certified



Series WV-DV™ Boiler Ratings

Model Number ¹	Input ²		Heating Capacity ³ , MBH	Net I=B=R Ratings Water ⁴ , MBH	AFUE ⁵ , %	Water Content, gal
	GPH	MBH				
WV-DV-03*	0.75	105	92	80	86.7*	11.75
WV-DV-03*	0.85	119	103	90	85.9*	11.75
WV-DV-03	1.10	154	131	114	84.1	11.75
WV-DV-04*	1.15	161	141	122	86.7*	14.75
WV-DV-04*	1.30	182	158	137	86.0*	14.75

* As an ENERGY STAR® Partner, PB Heat has determined that these firing rates meet the ENERGY STAR guidelines for energy efficiency.
 1 Boiler Model No. may have the following suffix letters: WPC = Water Package w/Burner & Circulator; WPCT = Water Package w/Burner, Circulator & Tankless Coil.
 2 Firing rate is based on a fuel oil with a heating value of 140,000 BTU per gallon. Burner input based on maximum altitude of 2,000 ft. - for other altitudes consult factory.
 3 Heating capacity based on D.O.E. Testing procedure with 13.0% CO₂ and -0.02 in. water column draft in firebox.
 4 The Net I=B=R Ratings shown include allowance for normal piping pick-up load.
 5 Heating Capacity and Annual Fuel Utilization Efficiency (AFUE) ratings are based on U.S. Government test. Before purchasing this appliance, read important information about its estimated annual energy consumption or energy efficiency rating that is available from your retailer.
 6 Must be used with factory supplied 4" flexible insulated venting system.

Series WBV/WV™



Type: Residential
Construction: Cast Iron
Fuel: Oil-Fired
Input: 84 to 273 MBH
Output: 75 to 235 MBH
Venting: Natural Draft
Trim: Water or Steam
Combustion: Flame Retention Burner

Oil-Fired

- Packaged or Knockdown Oil Boilers
- Natural Draft (Chimney) Venting
- Flame Retention Burners
- Steam or Hot Water Boilers
- Optional Tankless Coils
- Rear or Top Flue Convertibility
- Skim Tapping for Cleaning Steam Boilers



Series WBV/WV™ Boiler Ratings

Series WBV/WV™										Water Content, gal		Minimum Stack Draft Required, in. W.C.
Model Number	Input		Heating Capacity ⁵ , MBH		Net I=B=R Ratings ⁴			AFUE, %		Water	Steam	
	GPH ¹	MBH	Water	Steam	Steam, sqft	Water, MBH ²	Steam, MBH ³	Water	Steam			
WBV-03*	0.60 [⊕]	84	75	–	–	65	–	87.5*	–	11.75	–	-.03
WBV-03*	0.85	119	104	103	321	90	77	86.2*	84.8	11.75	12.00	-.04
WBV-03*	1.05	147	126	124	388	110	93	85.0*	83.6	11.75	12.00	-.05
WBV-04*	0.95 [†]	133	117	–	–	102	–	87.0*	–	14.75	–	-.03
WBV-04*	1.25	175	151	151	471	131	113	85.4*	85.3*	14.75	14.87	-.04
WBV-04*	1.50	210	180	179	558	156	134	85.1*	84.3	14.75	14.87	-.05
WV-05 [†] *	1.75	245	212	–	–	184	–	85.5*	–	17.75	–	-.05
WV-05 [†] *	1.95	273	235	–	–	204	–	85.0*	–	17.75	–	-.06

* As an ENERGY STAR® Partner, PB Heat has determined that these firing rates meet the ENERGY STAR guidelines for energy efficiency.
 † Top venting only.
 ⊕ Nozzles for these firing rates not provided as standard equipment. Consult factory for price and availability.
 ⊗ This firing rate can only be achieved with a Riello F-3 burner. Consult Peerless® for details.
 1 Burner input based on No. 2 fuel oil with a heating value of 140,000 BTU per gallon.
 2 Net I=B-R water ratings based on an allowance of 1.15.
 3 Net I=B-R steam ratings based on an allowance of 1.333.
 4 Consult factory before selecting a boiler for installations having unusual piping and pickup requirements, such as intermittent system operation, extensive piping systems, etc.
 5 Heating Capacity and Annual Fuel Utilization Efficiency (AFUE) ratings are based on U.S. Government tests, with 13% CO₂ and -0.01 in. W.C. draft over fire. Before purchasing this appliance, read important information about its estimated annual energy consumption or energy efficiency rating that is available from your retailer.
 6 Chimney Size: 8" x 8" x 15'.

Series 63™

Gas-Fired

Type: Residential
Construction: Cast Iron
Fuel: Gas-Fired (Natural or LP)
Input: 88.5 to 287.5 MBH
Output: 73 to 241 MBH
Venting: Natural Draft
Trim: Water or Steam
Ignition: Standing Pilot or Spark Ignition



- Packaged or Knockdown Gas Boiler
- Natural or LP Gas
- Natural Draft (Chimney) Venting
- Large Water Content
- Low Profile Design

Series 63™ Boiler Ratings

Minimum Inlet Gas Pressure: Natural Gas @ 5.0 in. W.C.², LP Gas @ 11.0 in. W.C.

Series 63™											Water Content, gal		Approx. Shipping Weight, lb
Model Number	Input, MBH	Heating Capacity ³		Net I=B=R Ratings ¹			Standing Pilot AFUE ³		Spark Ignition AFUE ³				
		Water, MBH	Steam, MBH	Steam, sqft	Water, MBH	Steam, MBH	Water, %	Steam, %	Water, %	Steam, %	Water	Steam	
63-03L	88.5	73	74	233	63	56	80.9	80.6	82.4	83.0	13.2	9.3	465
63-03	118.0	99	98	308	86	74	82.1	81.2	83.5	82.6	13.2	9.3	465
63-04L	147.5	123	123	383	107	92	81.4	80.6	82.7	82.6	15.6	10.8	576
63-04	177.0	148	147	458	129	110	82.1	81.0	83.4	82.4	15.6	10.8	576
63-05L	206.5	172	171	533	150	129	81.9	80.7	82.9	82.3	18.0	12.4	700
63-05	236.0	198	196	613	172	147	82.2	80.9	83.3	82.2	18.0	12.4	700
63-06	287.5	241	238	746	210	179	82.3	80.7	83.2	82.0	20.4	13.9	812

¹ Net I=B=R Ratings are based on DOE Heating Capacity 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 PB Heat 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 Minimum Natural Gas Inlet Pressure exceptions: 63-04 STDG 5.3"; 63-06 STDG 5.5"; 63-06 SPRK 5.3".

³ 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.

Series 64™

Gas-Fired



Type: Semi-Commercial
Construction: Cast Iron
Fuel: Gas-Fired (Natural or LP)
Input: 345 to 632.5 MBH
Output: 279 to 525 MBH
Venting: Natural Draft
Trim: Water or Steam
Ignition: Spark Ignition (Standing Pilot Ignition standard on 64-07 & 64-08 models)

- Packaged or Knockdown Gas Boiler
- Natural or LP Gas
- Natural Draft (Chimney) Venting
- Single Vent Draft Hood
- Standing Pilot or Spark Ignition



Series 64™ Boiler Ratings

Minimum Inlet Gas Pressure: Natural Gas @ 5.0 in. W.C.², LP Gas @ 11.0 in. W.C.

Series 64™											Water Content, gal		Approx. Shipping Weight, lb
Model Number	Input, MBH	Gross Output ³		Net I=B=R Ratings ¹			Thermal Efficiency		Combustion Efficiency ³		Water	Steam	
		Water, MBH	Steam, MBH	Steam, sqft	Water, MBH	Steam, MBH	Water, %	Steam, %	Water, %	Steam, %			
64-07	345	286	274	858	249	206	81.0	79.4	83.0	82.5	22.8	15.5	945
64-08	399	331	318	996	288	239	81.0	79.6	83.0	82.5	25.2	17.0	1,081
64-09	460	382	367	1,146	332	275	81.0	79.7	83.0	82.5	27.6	18.6	1,218
64-10	518	430	413	1,292	374	310	81.0	79.8	83.0	82.5	30.0	20.1	1,354
64-11	575	477	459	1,433	415	344	81.0	79.8	83.0	82.5	32.4	21.7	1,490
64-12	633	525	506	1,583	457	380	81.0	79.9	83.0	82.4	34.8	23.2	1,527

¹ Net I=B=R Ratings are based on 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 PB Heat 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 Minimum Natural Gas Inlet Pressure: 5.0" W.C. except for 64-08 STDG 5.3", 64-12 STDG 5.1".
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.

Series GM™

Gas-Fired

Type: Semi-Commercial
Construction: Cast Iron
Fuel: Gas-Fired (Natural or LP)
Input: 228 to 399 MBH
Output: 187 to 327 MBH
Venting: Natural Draft
Trim: Water
Ignition: Standing Pilot or Intermittent



- Packaged Residential/Commercial Hot Water Boilers
- Natural Gas or LP
- Natural Draft (Chimney) Venting
- Honeywell SmartValve® Intermittent Ignition (Standard on 5-8 Section on natural gas or Spark Intermittent Ignition on LP gas)
- Standing Pilot (Optional on 5-6 Section)
- Steel Push Nipples

Series GM™ Boiler Ratings

Series GM™								Input, kW	Output, kW	Net Ratings Water, kW	Water Content, gal
Model Number	Input, MBH	Output ^{1,2} , MBH	Net I=B=R Ratings Water ³ , MBH	Standing Pilot, AFUE ¹ , %	Intermittent Ignition AFUE ¹ , %	Thermal Efficiency ² , %	Combustion Efficiency ² , %				
GM-05	228	187	163	81.0	82.1	—	—	66.8	54.8	47.8	6.15
GM-06	285	231	201	80.0	81.1	—	—	83.5	67.7	58.9	7.20
GM-07	342	280	243	—	—	79.0	82.0	100.2	82.1	71.2	8.25
GM-08	399	327	284	—	—	79.0	82.0	116.9	95.8	83.2	9.30

Note: Supply Gas Pressure: 5.5 in. W.C. on GM-06 STDG, 5.0 in. W.C. all other models.

¹ Output is Heating Capacity for models with inputs <300 MBH and Gross Output for models with inputs 300 MBH. Heating Capacity and Annual Fuel Utilization Efficiency (AFUE) ratings are based on U.S. Government test.

² Output rating and combustion efficiency determined in accordance with ANSI Z21.13, *Gas-Fired Low-Pressure Steam and Hot Water Boilers*.

³ Net I=B=R steam ratings based on an allowance of 1.15.

⁴ Consult factory before selecting a boiler for installations having unusual piping and pickup requirements, such as intermittent system operation, extensive piping systems, etc.

Series GM/Flex-Heat®

Gas-Fired



Type: Semi-Commercial/Commercial
Construction: Cast Iron
Fuel: Gas-Fired (Natural or LP)
Input: 456 to 3,990 MBH
Output: 374 to 3,272 MBH
Venting: Natural Draft
Trim: Water
Ignition: Standing Pilot or Intermittent

Typical Series GM Flex-Heat® Modular Boiler Systems						
System Number	Module Quantity & Size	Input, MBH	Gross Output, MBH	Gross Output, H.P.	Net Output, MBH	Combustion Efficiency, %
FH-456	2-5	456	374	11.2	325	82.0
FH-513	1-5, 1-6	513	421	12.6	366	82.0
FH-570	2-6	570	467	14.0	406	82.0
FH-627	1-6, 1-7	627	514	15.4	447	82.0
FH-684	2-7	684	561	16.8	488	82.0
FH-741	1-7, 1-8	741	608	18.2	528	82.0
FH-798	2-8	798	654	19.5	569	82.0
FH-855	3-6	855	701	20.9	610	82.0
FH-912	2-6, 1-7	912	748	22.3	650	82.0
FH-969	1-6, 2-7	969	795	23.7	691	82.0
FH-1026	3-7	1,026	841	25.1	732	82.0
FH-1140	1-7, 2-8	1,140	935	27.9	813	82.0
FH-1197	3-8	1,197	982	29.3	854	82.0
FH-1254	2-6, 2-7	1,254	1,028	30.7	894	82.0
FH-1368	4-7	1,368	1,122	33.5	975	82.0
FH-1482	2-7, 2-8	1,482	1,215	36.3	1,057	82.0
FH-1539	1-7, 3-8	1,539	1,262	37.7	1,097	82.0
FH-1596	4-8	1,596	1,309	39.1	1,138	82.0
FH-1710	5-7	1,710	1,402	41.9	1,209	82.0
FH-1824	3-7, 2-8	1,824	1,496	44.7	1,301	82.0
FH-1881	2-7, 3-8	1,881	1,542	46.1	1,341	82.0
FH-1938	1-7, 4-8	1,938	1,589	47.5	1,382	82.0
FH-1995	5-8	1,995	1,636	48.9	1,423	82.0
FH-2052	6-7	2,052	1,683	50.3	1,463	82.0
FH-2166	4-7, 2-8	2,166	1,776	53.1	1,544	82.0
FH-2280	2-7, 4-8	2,280	1,870	55.9	1,626	82.0
FH-2394	6-8	2,394	1,963	58.6	1,707	82.0
FH-2508	5-7, 2-8	2,508	2,057	61.4	1,788	82.0
FH-2622	3-7, 4-8	2,622	2,150	64.2	1,870	82.0
FH-2736	1-7, 6-8	2,736	2,244	67.0	1,951	82.0
FH-2793	7-8	2,793	2,290	68.4	1,992	82.0
FH-2850	6-7, 2-8	2,850	2,337	69.8	2,032	82.0
FH-2964	4-7, 4-8	2,964	2,430	72.6	2,113	82.0
FH-3021	3-7, 5-8	3,021	2,477	74.0	2,154	82.0
FH-3078	2-7, 6-8	3,078	2,524	75.4	2,195	82.0
FH-3192	8-8	3,192	2,617	78.2	2,276	82.0
FH-3306	5-7, 4-8	3,306	2,711	81.0	2,357	82.0
FH-3363	4-7, 5-8	3,363	2,758	82.4	2,398	82.0
FH-3420	3-7, 6-8	3,420	2,804	83.8	2,439	82.0
FH-3534	1-7, 8-8	3,534	2,898	86.6	2,520	82.0
FH-3591	9-8	3,591	2,945	88.0	2,561	82.0
FH-3648	6-7, 4-8	3,648	2,991	89.4	2,601	82.0
FH-3762	4-7, 6-8	3,762	3,085	92.2	2,682	82.0
FH-3876	2-7, 8-8	3,876	3,178	94.9	2,764	82.0
FH-3990	10-8	3,990	3,272	97.7	2,845	82.0

The Flex-Heat® Hydronic Comfort System combines Series GM boilers in single, multiple or modular arrangements with the Peerless® Partner® indirect-fired water heater, modern system controls, circulators and a design application guide to provide efficient, economical space and domestic hot water heating.



Peerless® PUREFIRE® Commercial

Gas-Fired

Type: Commercial
Construction: Stainless Steel
Fuel: Gas-Fired (Natural or LP)
Input: 80 to 1,000 MBH
Output: 373 to 966 MBH
Venting: Sealed Combustion, Direct Vent
Trim: Water
Ignition: Direct Spark



CONTROLS



- 96.6% Thermal Efficiency
- Condensing Boiler with Fully Modulating Burner
- Built-in Condensate Neutralizer System with Float Switch
- ASME and ETL Certified for U.S. and Canada
- Outdoor Reset Capability
- State-of-the-Art Control Board
- Cascade Capable—up to 16 Boilers

Series Peerless® PUREFIRE® Commercial Boiler Ratings										
Series Peerless® PUREFIRE® Commercial										
Model Number	Input				Heating Capacity		NET		Thermal Efficiency	Combustion Efficiency
	Minimum		Maximum		MBH	kW	MBH	kW	%	%
	MBH	kW	MBH	kW						
PF-399	80	23.4	399	116.9	373	109.3	324	95.0	93.4%	95.5%
PF-850	85	24.9	850	249.1	818	239.7	711	208.4	96.2%	92.5%
PF-1000	100	29.3	1,000	293.1	966	283.1	840	246.2	96.6%	95.6%

Series 211A™



Type: Commercial
Construction: Cast Iron
Fuel: Gas-Fired (Natural or LP)
Input: 630 to 9,450 MBH⁵
Output: 504 to 7,560 MBH
Venting: Natural Draft
Trim: Water or Steam
Ignition: Standing Pilot or Spark

- Commercial Atmospheric Gas Boiler
- Packaged, Assembled Block (to 19 Sections Only) or Individual Sections
- Natural Draft (Chimney) Venting
- 630 to 9,450 MBH Input⁵
- Steam or Hot Water Boilers
- Natural or LP Gas



Gas/Oil-Fired

Series 211A™ Boiler Ratings

Series 211A™								Boiler H.P.	Water Content, gal	
Model Number	Input, MBH	Gross Output ³ , MBH	Net I=B=R Ratings ³			Thermal Efficiency ⁴ , %	Combustion Efficiency ⁴ , %		Water	Steam
			Steam, sqft	Water, MBH ¹	Steam, MBH ²					
211A-04	630	504	1,575	438	378	76.9	80.0	15.1	44.12	31.64
211A-05	840	672	2,100	584	504	77.4	80.0	20.1	55.15	39.55
211A-06	1,050	840	2,625	730	630	77.7	80.0	25.1	66.18	47.46
211A-07	1,260	1,008	3,150	877	756	77.8	80.0	30.1	77.21	55.37
211A-08	1,470	1,176	3,675	1,023	882	77.9	80.0	35.1	88.24	63.28
211A-09	1,680	1,344	4,229	1,169	1,015	78.0	80.0	40.1	99.27	71.19
211A-10	1,890	1,512	4,808	1,315	1,154	78.1	80.0	45.2	110.30	79.10
211A-11	2,100	1,680	5,392	1,461	1,294	78.2	80.0	50.2	121.33	87.01
211A-12	2,310	1,848	5,971	1,607	1,433	78.2	80.0	55.2	132.36	94.92
211A-13	2,520	2,016	6,521	1,753	1,565	77.7	80.0	60.2	143.39	102.83
211A-14	2,730	2,184	7,067	1,899	1,696	77.8	80.0	65.2	154.42	110.74
211A-15	2,940	2,352	7,608	2,045	1,826	77.9	80.0	70.3	165.45	118.65
211A-16	3,150	2,520	8,154	2,191	1,957	77.9	80.0	75.3	176.48	126.56
211A-17	3,360	2,688	8,696	2,337	2,087	78.0	80.0	80.3	187.51	134.47
211A-18	3,570	2,856	9,238	2,483	2,217	78.0	80.0	85.3	198.54	142.38
211A-19	3,780	3,024	9,783	2,630	2,348	78.1	80.0	90.3	209.57	150.29
211A-20	3,990	3,192	10,325	2,776	2,478	78.1	80.0	95.4	220.60	158.20
211A-21	4,200	3,360	10,871	2,922	2,609	78.1	80.0	100.4	231.63	166.11
211A-22	4,410	3,528	11,413	3,068	2,739	78.2	80.0	105.4	242.66	174.02
211A-23	4,620	3,696	11,958	3,214	2,870	77.9	80.0	110.4	253.69	181.93
211A-24	4,830	3,864	12,500	3,360	3,000	77.9	80.0	115.4	264.72	189.84

Note: For LP Ratings decrease by 2.5%.

* Assembled blocks available to 19 sections only.

1 Net I=B=R water ratings based on an allowance of 1.15.

2 Net I=B=R steam ratings based on an allowance of: 04 to 08=1.333, 09(Nat)=1.324, 09(LP)=1.327, 10(Nat)=1.310, 10(LP)=1.312, 11(Nat)=1.298, 11(LP)=1.300, 12(Nat)=1.290, 12(LP)=1.291, 13 to 19=1.288.

3 Consult factory before selecting a boiler for installation having unusual piping and pickup requirements, such as intermittent system operation, extensive piping systems, etc.

4 Combustion efficiency determined in accordance with ANSI Z21.13, Gas-Fired Low-Pressure Steam and Hot Water Boilers.

5 Consult product catalog literature for detailed ratings information up to 9,450 MBH.

Series SC/SCT™

Type: Semi-Commercial
Construction: Cast Iron
Fuel: Gas, Oil, Gas/Oil-Fired
Input: 433 to 794 MBH
Output: 343 to 632 MBH
Venting: Forced Draft
Trim: Water or Steam
Combustion: Power Burner



Gas/Oil-Fired



- Semi-Commercial; Packaged or Knockdown Boiler
- Forced Draft Venting
- Power Burner — Oil, Gas, Gas/Oil
- Steam or Hot Water Boilers
- Optional Tankless Coils

Series SC/SCT™ Boiler Ratings

Model Number	Oil Input		Gas Input, MBH	Gross Output, MBH	Net I=B=R Ratings			Thermal Efficiency, %		Combustion Efficiency, %		Boiler H.P.	Water Content, gal	
	GPH	MBH			Steam, sqft	Water, MBH	Steam, MBH	Oil	Gas	Oil	Gas		Water	Steam
	SC/SCT-05	3.00	420	433	343	1,071	298	257	81.7	79.3	83.3		80.8	10.2
SC/SCT-06	3.50	490	505	405	1,267	352	304	82.7	80.3	83.7	81.2	12.1	30.36	23.52
SC/SCT-07	4.00	560	577	462	1,446	402	347	82.5	80.0	83.5	81.0	13.8	34.68	26.64
SC/SCT-08	4.50	630	649	519	1,621	451	389	82.3	79.9	83.4	80.9	15.5	39.03	29.76
SC/SCT-09	5.00	700	722	575	1,796	500	431	82.2	79.7	83.2	80.7	17.2	43.32	32.88
SC/SCT-10	5.50	770	794	632	1,975	550	474	82.1	79.6	83.0	80.5	18.9	47.64	36.00

The above ratings are based on 12.5% CO₂ (oil) and +.10 in. W.C. at the vent.
 The Net I=B=R Ratings shown include allowance for normal piping and pickup load in accordance with Testing and Rating standard for Low Pressure Cast Iron Heating Boilers of The Hydronics Institute. Water ratings are based on a piping and pickup allowance factor of 1.15. Steam ratings based on an allowance factor of 1.33. PB Heat should be consulted before selecting a boiler for gravity hot water installations and installations having unusual piping and pickup requirements such as extended piping systems, 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 percent for each 1,000 feet above sea level.
 I=B=R Burner Capacity is based on G.P.H. with a heating value of 140,000 BTU/gal. Burner input based on maximum altitude of 2,000 ft.—for other altitudes consult factory.

Series LC/LCE™



Type: Commercial
Construction: Cast Iron
Fuel: Gas, Oil, Gas/Oil-Fired
Input: 686 to 4,663 MBH
Output: 547 to 3,777 MBH
Venting: Forced Draft
Trim: Water or Steam
Ignition: Power Burner

- Large Commercial
- Packaged Assembled Block or Individual Sections
- Forced Draft Venting
- Power Burner — Oil, Gas, Gas/Oil
- Steam or Hot Water Boilers
- Optional Tankless Coils



Gas/Oil-Fired

Series LC/LCE™ Boiler Ratings

Model Number	Oil Input ¹		Gas Input, MBH	Gross Output, MBH	Net I=B=R Ratings ⁴			Oil		Gas		Boiler H.P.	Water Content, gal	
	GPH	MBH			Steam, sqft	Water ² , MBH	Steam ³ , MBH	Combustion Efficiency ⁵ , %	Thermal Efficiency ⁵ , %	Combustion Efficiency ⁵ , %	Thermal Efficiency ⁵ , %		Water	Steam
	LC-04	4.75	665	686	547	1,708	476	410	83.7	82.2	81.2	79.8	16.3	50.65
LC-05R	5.60	784	808	649	2,029	564	487	83.7	82.8	81.2	80.3	19.4	59.05	47.29
LC-05	6.10	854	881	707	2,208	615	530	83.7	82.8	81.2	80.3	21.1	59.05	47.29
LC-06	7.50	1,050	1,077	868	2,713	755	651	83.7	83.1	81.1	80.6	25.9	67.45	54.01
LC-07	8.80	1,232	1,273	1,029	3,217	895	772	83.6	83.3	81.1	80.8	30.7	75.85	60.73
LC-08	10.20	1,428	1,469	1,189	3,717	1,034	892	83.6	83.5	81.1	81.0	35.5	84.25	67.45
LC-09	11.60	1,624	1,664	1,350	4,250	1,174	1,020	83.6	83.6	81.1	81.1	40.3	91.65	74.17
LC-10	12.80	1,792	1,860	1,511	4,804	1,314	1,153	83.6	83.7	81.1	81.2	45.1	101.05	80.89
LC-11	14.20	1,988	2,056	1,672	5,367	1,454	1,288	83.6	83.8	81.1	81.3	49.9	109.45	87.61
LC-12	15.60	2,184	2,252	1,832	5,917	1,593	1,420	83.6	83.9	81.1	81.4	54.7	117.85	94.33
LC-13	17.00	2,380	2,464	1,966	6,358	1,710	1,526	83.5	82.2	81.0	79.8	58.7	126.25	101.05
LCE-14	18.40	2,576	2,657	2,125	6,875	1,848	1,650	83.5	82.5	81.0	80.0	63.5	134.65	107.77
LCE-15	19.80	2,772	2,850	2,284	7,388	1,986	1,773	83.5	82.6	81.0	80.2	68.2	143.05	114.49
LCE-16	21.00	2,940	3,043	2,444	7,908	2,125	1,898	83.5	82.8	81.0	80.3	73.0	151.45	121.21
LCE-17	22.50	3,150	3,236	2,603	8,421	2,263	2,021	83.5	82.9	81.0	80.4	77.8	159.85	127.93
LCE-18	24.00	3,360	3,429	2,763	8,938	2,403	2,145	83.5	83.1	81.0	80.6	82.5	168.25	134.65
LCE-19	25.00	3,500	3,622	2,922	9,454	2,541	2,269	83.5	83.2	81.0	80.7	87.3	176.65	141.37
LCE-20	26.50	3,710	3,815	3,082	9,971	2,680	2,393	83.5	83.3	81.0	80.8	92.1	185.05	148.09
LCE-21	28.00	3,920	4,027	3,256	10,533	2,831	2,528	83.6	83.3	81.1	80.8	97.3	193.45	154.81
LCE-22	29.50	4,130	4,239	3,430	11,096	2,983	2,663	83.6	83.4	81.1	80.9	102.5	201.85	161.53
LCE-23	31.00	4,340	4,451	3,604	11,658	3,134	2,798	83.7	83.5	81.2	81.0	107.7	210.25	168.25
LCE-24	32.50	4,550	4,663	3,777	12,217	3,284	2,932	83.7	83.5	81.2	81.0	112.8	218.65	174.97

1 Burner input based on No. 2 fuel oil with a heating value of 140,000 BTU per gallon.

2 Net I=B=R water ratings based on allowance of 1.15.

3 Net I=B=R steam ratings based on an allowance for LC-04 to LC-08=1.333, LC-09=1.323, LC-10=1.310, LC-11=1.298, LC-12=1.290, LCE-13 to LCE-24=1.288.

4 Consult factory before selecting a boiler for installation having unusual piping and pickup requirements, such as intermittent system operation, extensive piping systems, etc.

5 Combustion and thermal efficiency determined in accordance with The Hydronics Institute's Testing and Rating Standard for Heating Boilers.

Series TC™

Type: Commercial
Construction: Cast Iron
Fuel: Gas, Oil, Gas/Oil-Fired
Input: 1,154 to 5,862 MBH
Output: 900 to 4,629 MBH
Venting: Forced Draft
Trim: Water or Steam
Combustion: Power Burner



Gas/Oil-Fired



- Power Burner — Oil, Gas, Gas/Oil
- Steam or Hot Water Boilers
- Rugged, Cast-Iron Construction
- Forced Draft Venting
- Wet-Base Sections
- Cast-in Heat Extraction Pins
- Integral Cast Iron Flue Collector
- Hi-Temperature, Flexible, Graphite Port Connectors

Series TC™ Boiler Ratings

Model Number	Oil Input ²		Gas Input ³ , MBH	Net I=B=R Ratings ¹			Oil		Gas		Boiler H.P.	Water Content, gal	
	GPH	MBH		Steam, sqft	Water ² , MBH	Steam ³ , MBH	Combustion Efficiency ⁵ , %	Thermal Efficiency ⁵ , %	Combustion Efficiency ⁵ , %	Thermal Efficiency ⁵ , %		Water	Steam
	TC-04	8.0	1,120	1,154	2,813	783	675	83.5	80.4	81.0		78.0	27
TC-05	10.4	1,456	1,491	3,646	1,014	875	83.5	80.7	81.0	78.2	35	150.3	125.8
TC-06	12.6	1,764	1,827	4,538	1,246	1,089	83.5	80.8	81.0	78.4	43	177.2	147.8
TC-07	15.0	2,100	2,163	5,458	1,477	1,310	83.5	81.0	81.0	78.5	51	204.1	169.8
TC-08	17.4	2,436	2,499	6,358	1,709	1,526	83.5	81.1	81.0	78.6	59	231.0	191.8
TC-09	19.6	2,744	2,836	7,221	1,941	1,733	83.5	81.1	81.0	78.7	67	257.9	213.8
TC-10	22.0	3,080	3,172	8,079	2,172	1,939	83.5	81.2	81.0	78.8	75	284.8	235.8
TC-11	24.5	3,430	3,508	8,942	2,403	2,146	83.5	81.2	81.0	78.8	83	311.7	257.8
TC-12	26.5	3,710	3,844	9,804	2,636	2,353	83.5	81.3	81.0	78.8	91	338.6	279.8
TC-13	29.0	4,060	4,180	10,667	2,867	2,560	83.5	81.3	81.0	78.9	98	365.5	301.8
TC-14	31.5	4,410	4,517	11,525	3,098	2,766	83.5	81.3	81.0	78.9	106	392.4	323.8
TC-15	33.5	4,690	4,853	12,392	3,330	2,974	83.5	81.4	81.0	78.9	114	419.3	345.8
TC-16	36.0	5,040	5,189	13,250	3,562	3,180	83.5	81.4	81.0	78.9	122	446.2	367.8
TC-17	38.5	5,390	5,525	14,113	3,793	3,387	83.5	81.4	81.0	79.0	130	473.1	389.8
TC-18	40.5	5,670	5,862	14,975	4,025	3,594	83.5	81.4	81.0	79.0	138	500.0	411.8

¹ Net I=B=R Water Ratings are based on allowance of 1.15. Net I=B=R Ratings for steam boilers are based on piping and pick-up factor as follows: 4 and 5 section = 1.333, 6-section = 1.305, 8 section and larger = 1.288.
² Light oil having a heat content of 140,000 BTU/Gal.
³ Gas having a heat content of 1,000 BTU/Cu. Ft., 0.60 specific gravity.
⁴ Consult factory before selecting a boiler for installation having unusual piping and pickup requirements, such as intermittent system operation, extensive piping systems, etc.
⁵ Combustion and thermal efficiency determined in accordance with The Hydronics Institute's Testing and Rating Standard for Heating Boilers.

Series TCII™



Type: Commercial
Construction: Cast Iron
Fuel: Gas, Oil, Gas/Oil-Fired
Input: 1,143 to 5,553 MBH
Output: 931 to 4,622 MBH
Venting: Forced Draft
Trim: Water or Steam
Combustion: Power Burner

- High Efficiency Power Burners
- Balance Return Temperature Technology (Water Boilers)
- 15 Sizes, 4-18 Sections
- Constructed of Rugged, Cast Iron, Wet-Base Sections
- Forced Draft Firing
- Graphite Port Connectors
- Burner Mounting Plate with Insulation Block



Gas/Oil-Fired

Series TCII™ Boiler Ratings

Model Number	Oil Input ²		Gas Input ³ , MBH	Gross Output, MBH	Net I=B=R Ratings ¹			Oil		Gas		Boiler H.P.	Water Content, gal		Furnace Volume, cuft	Water Working Weight, lbs.	Heating Surface, sqft
	GPH	MBH			Steam, sqft	Water ² , MBH	Steam ³ , MBH	Combustion Efficiency ⁵ , %	Thermal Efficiency ⁵ , %	Combustion Efficiency ⁵ , %	Thermal Efficiency ⁵ , %		Water	Steam			
	TCII-04	7.9	1,106	1,143	931	2,908	810	698	86.2	83.9	83.6		81.4	28			
TCII-05	10.2	1,428	1,458	1,194	3,733	1,038	896	86.2	84.4	83.6	81.9	36	150.3	125.8	16.14	5,038	105.3
TCII-06	12.2	1,708	1,773	1,458	4,625	1,268	1,110	86.1	84.8	83.5	82.2	44	177.2	147.8	20.24	5,861	129.4
TCII-07	14.4	2,016	2,088	1,722	5,542	1,497	1,330	86.1	85.0	83.5	82.5	51	204.1	169.8	24.34	6,684	153.5
TCII-08	16.6	2,324	2,403	1,985	6,421	1,726	1,541	86.1	85.2	83.5	82.6	59	231.0	191.8	28.44	7,507	177.6
TCII-09	18.8	2,632	2,718	2,249	7,275	1,956	1,745	86.1	85.3	83.5	82.7	67	257.9	213.8	32.54	8,331	201.7
TCII-10	21.0	2,940	3,033	2,513	8,129	2,185	1,951	86.1	85.4	83.5	82.8	75	284.8	235.8	36.64	9,169	225.8
TCII-11	23.0	3,220	3,348	2,776	8,979	2,414	2,155	86.0	85.5	83.5	82.9	83	311.7	257.8	40.74	9,992	249.9
TCII-12	25.5	3,570	3,663	3,040	9,833	2,643	2,360	86.0	85.6	83.5	83.0	91	338.6	279.8	44.84	10,815	274.0
TCII-13	27.5	3,850	3,978	3,304	10,688	2,873	2,565	86.0	85.6	83.5	83.0	99	365.5	301.8	48.94	11,649	289.1
TCII-14	29.5	4,130	4,293	3,567	11,538	3,102	2,769	86.0	85.7	83.5	83.1	107	392.4	323.8	53.04	12,467	322.2
TCII-15	32.0	4,480	4,608	3,831	12,392	3,331	2,974	86.0	85.7	83.4	83.1	114	419.3	345.8	57.14	13,511	346.3
TCII-16	34.0	4,760	4,923	4,095	13,246	3,561	3,179	86.0	85.7	83.4	83.2	122	446.2	367.8	61.24	14,375	370.4
TCII-17	36.5	5,110	5,238	4,358	14,100	3,790	3,384	86.0	85.8	83.4	83.2	130	473.1	389.8	65.34	15,239	394.5
TCII-18	38.5	5,390	5,553	4,622	14,954	4,019	3,589	86.0	85.8	83.4	83.2	138	500.0	411.8	69.44	16,103	418.6

1 Net I=B=R Water Ratings are based on allowance of 1.15. Net I=B=R Ratings for steam boilers are based on piping and pick-up factor as follows:
 4 and 5 section = 1.333, 6 and 7 section = 1.305, 8 section and larger = 1.288.

2 Light oil having a heat content of 140,000 BTU/Gal.

3 Gas having a heat content of 1,000 BTU/Cu. Ft., 0.60 specific gravity.

4 Consult factory before selecting a boiler for installation having unusual piping and pickup requirements, such as intermittent system operation, extensive piping systems, etc.

5 Combustion and thermal efficiency determined in accordance with BTS 2000 Testing Standard for Heating Boilers.

Peerless® Partner®

Type: Indirect-Fired Water Heater
Construction: Stainless Steel Tank/Maintenance Free Plastic Jacket
Fuel: Indirect-Fired
Storage Capacity: 30 to 119 Gallons
First Hour Ratings: 169 to 423 Gallons @ 140°
 234 to 564 Gallons @ 115°



Indirect-Fired



- Five (5) Sizes
- Modern Coil Design
- Minimal Standby Temperature Loss
- Rapid Recovery Rate
- Long Lasting Stainless Steel Construction
- Easy Installation
- No Separate Chimney or Burner Needed

Peerless® Partner® Ratings

Model Number	Storage Capacity	Pressure		Heat Exchange Surface	First Hour Ratings*	
		Test	Working		@140°	@115°
PP-30	30 gallons	300 PSI	150 PSI	15 sq. ft.	169 gallons	234 gallons
PP-40	37 gallons	300 PSI	150 PSI	20 sq. ft.	212 gallons	292 gallons
PP-60	57 gallons	300 PSI	150 PSI	20 sq. ft.	266 gallons	370 gallons
PP-80	77 gallons	300 PSI	150 PSI	34 sq. ft.	330 gallons	440 gallons
PP-120	119 gallons	300 PSI	150 PSI	34 sq. ft.	423 gallons	564 gallons
PP-40DW	37 gallons	300 PSI	150 PSI	20 sq. ft.	110 gallons	152 gallons
PP-60DW	57 gallons	300 PSI	150 PSI	20 sq. ft.	126 gallons	174 gallons
PP-80DW	77 gallons	300 PSI	150 PSI	20 sq. ft.	160 gallons	221 gallons
PP-120DW	119 gallons	300 PSI	150 PSI	20 sq. ft.	296 gallons	414 gallons

*Based on 90°F rise, 55°/145° with 180°F boiler water. First hour rating is only one factor in product selection. Refer to Installation Instructions for additional information.



Product Selection Guide

Residential Boilers

Product	Fuel	DOE Heating Capacity	Venting	Trim
Peerless® PUREFIRE®**	Gas-Fired (Natural or LP)	46 to 192 MBH	Sealed Combustion, Direct Vent	Water
Peerless® Combi 160™*	Gas-Fired (Natural or LP)	27 to 142 MBH	Sealed Combustion, Direct Vent	Water
Cast 92-2™*	Gas-Fired (Natural or LP)	37 to 184 MBH	Sealed Combustion, Direct Vent	Water
Series MI™	Gas-Fired (Natural or LP)	58 to 211 MBH	Natural Draft	Water
Series MIH™	Gas-Fired (Natural)	55 to 135 MBH	Natural Draft	Water
Series DE™	Gas-Fired (Natural or LP)	58 to 136 MBH	Direct Exhaust or Natural Draft	Water
Series PSCII™*	Gas-Fired (Natural or LP)	56 to 128 MBH	Sealed Combustion, Direct Vent	Water
Peerless® Pinnacle® Oil*	Oil-Fired	64 to 77 MBH	Sealed Combustion, Direct Vent	Water
PRO™ Series*	Oil-Fired	73 to 151 MBH	Natural Draft	Water
Series EC/ECT™*	Oil-Fired	91 to 347 MBH	Natural Draft	Water or Steam
Series WV-DV™*	Oil-Fired	92 to 158 MBH	Sealed Combustion, Direct Vent	Water
Series WBV/WV™*	Oil-Fired	75 to 235 MBH	Natural Draft	Water or Steam
Series 63™	Gas-Fired (Natural or LP)	73 to 241 MBH	Natural Draft	Water or Steam



Series EC/ECT™



Peerless® PUREFIRE® Commercial



Series GM™

Commercial Boilers

Product	Fuel	Gross Output	Venting	Trim
Peerless® PUREFIRE® Commercial	Gas-Fired (Natural or LP)	373 to 966 MBH	Sealed Combustion, Direct Vent	Water
Cast 92-4™	Gas-Fired (Natural or LP)	74 to 370 MBH	Sealed Combustion, Direct Vent	Water
Peerless® Pinnacle® 399	Gas-Fired (Natural or LP)	379 MBH	Sealed Combustion, Direct Vent	Water
Series 64™	Gas-Fired (Natural or LP)	279 to 525 MBH	Natural Draft	Water or Steam
Series GM™	Gas-Fired (Natural or LP)	187 to 327 MBH	Natural Draft	Water
Series 211A™	Gas-Fired (Natural or LP)	504 to 7,560 MBH	Natural Draft	Water or Steam
Series SC/SCT™	Gas, Oil, Gas/Oil-Fired	343 to 632 MBH	Forced Draft	Water or Steam
Series LC/LCE™	Gas, Oil, Gas/Oil-Fired	547 to 3,777 MBH	Forced Draft	Water or Steam
Series TC™	Gas, Oil, Gas/Oil-Fired	900 to 4,629 MBH	Forced Draft	Water or Steam
Series TCII™	Gas, Oil, Gas/Oil-Fired	931 to 4,622 MBH	Forced Draft	Water or Steam
Peerless® Partner®	Indirect-Fired			

* As an ENERGY STAR® Partner, PB Heat has determined that these firing rates meet the ENERGY STAR guidelines for energy efficiency.



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Notes



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