

Product Guide

Peerless®

Boilers

Authorized Dealer:



HARTHomeComfort
Comfort you can trust

Hart Home Comfort
30 Montauk Boulevard
Oakdale, NY 11769

www.HartHomeComfort.com

(631) 667-3200

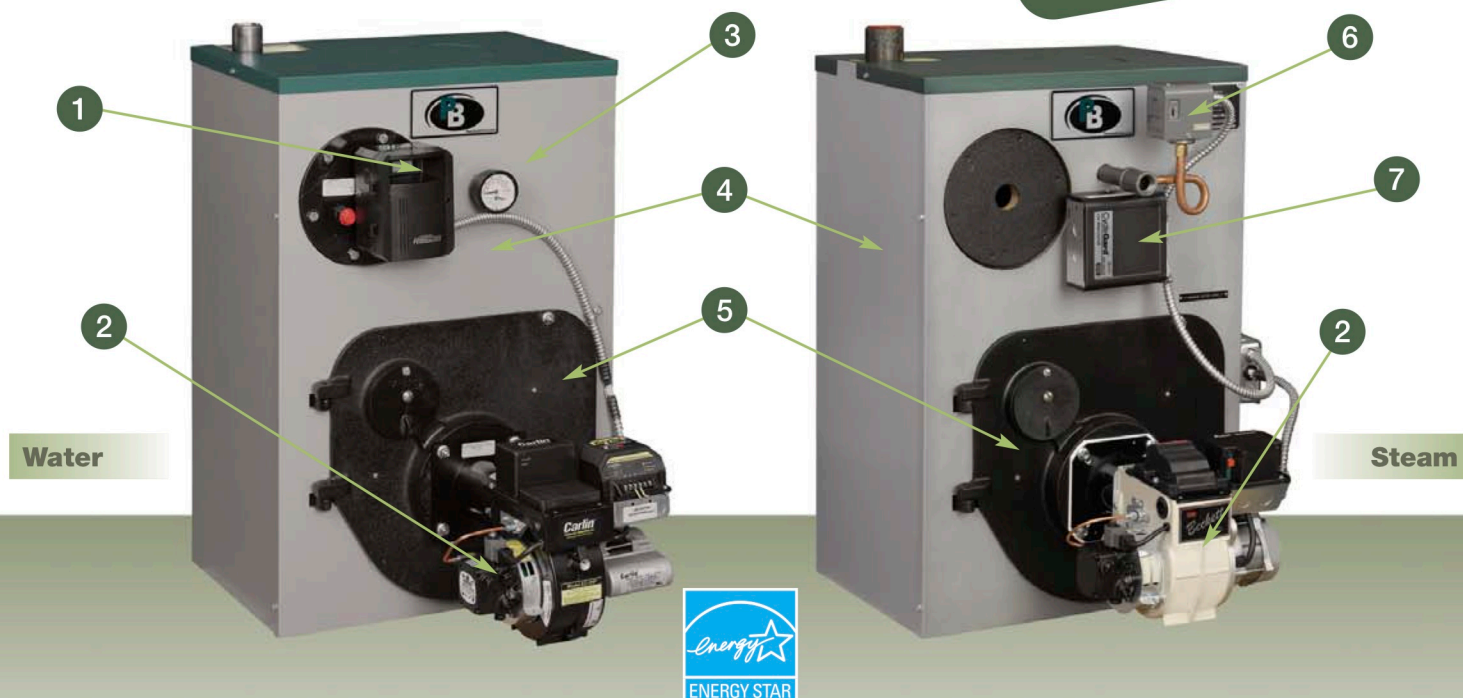


PeerlessBoilers.com

Series WBV™

Residential Oil Boilers

Up to 87.5%
AFUE!



- 1 Boiler Limit and Reset Control with Circulator Relay and LWCO 2 High Efficiency Flame Retention Burner
3 Temperature-Pressure Gage 4 Insulated Jacket 5 Full Plate Swing-Out Door 6 Pressure Control 7 Probe LWCO

Series WBV™ Boiler Features

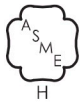
- Up to 87.5% AFUE—ENERGY STAR® Efficient*!
- Residential, Oil-fired Boiler for Hot Water or Steam Systems
- Natural Draft (Chimney) Venting
- High Efficiency, Flame Retention Burners—Choice of Beckett, Carlin or Riello
- Cast Iron Sections—Factory Tested and Assembled with Steel Push Nipples
- Wet Base Section Design—Ideal for Steam and Hot Water Applications
- Rear or Top Flue Convertibility (certain models)
- Deluxe Powder Coated Steel Jacket—Reduces Boiler Heat Loss
- Full Plate Swing Out Door—For Quick and Easy Cleaning

*certain firing rates

Standard Equipment

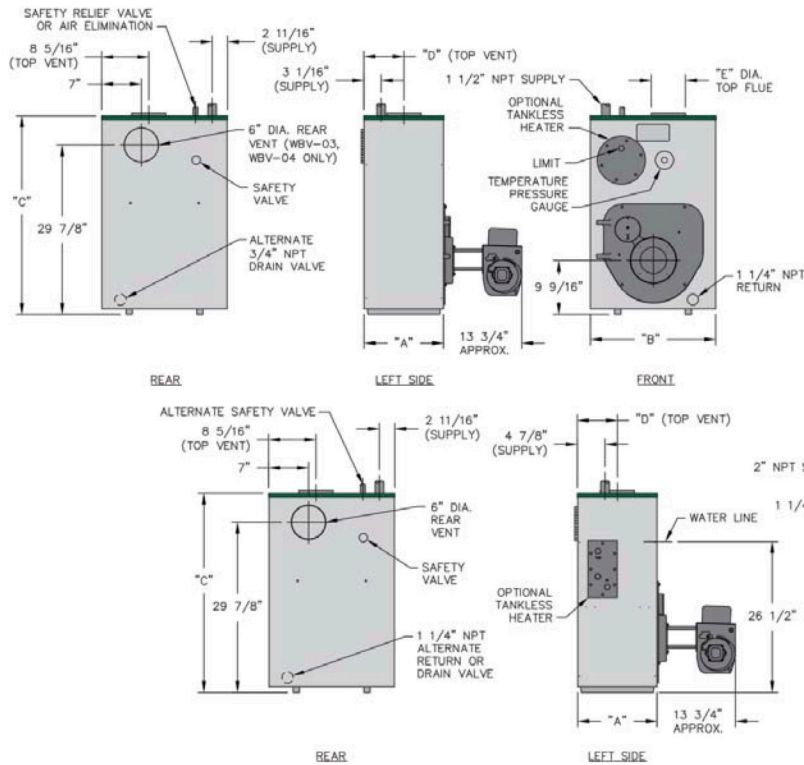
- Boiler Reset Control with Low Water Cut-off (HydroStat 3250) for Increased Efficiency and Safety (Water Boilers)
- Taco Circulator (Water Boilers)
- Probe Type LWCO and Skim Tapping (Steam Boilers)
- Drain Valve
- Top Cleanout
- Built-in Air Elimination Baffle

All residential cast iron boilers include a full one-year warranty. A limited, non-prorated lifetime warranty is provided for the cast iron sections of Peerless® residential hot water boilers. A limited, ten-year warranty is provided on the cast iron sections of residential steam boilers. Visit PeerlessBoilers.com for complete details.

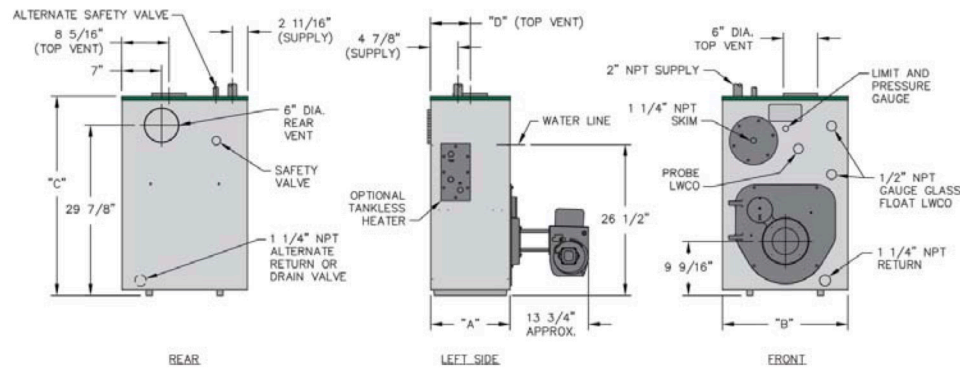


Technical Information

Water



Steam



Boiler Ratings

Series WBV™ - Water							
Boiler Model Number	AFUE ⁵ , %	Input		Heating Capacity ⁵ , MBH	Net Ratings Water ^{2/4} , MBH	Flue Collar (inch)	Approx. Ship Weight (lbs)
		GPH ¹	MBH				
WBV-03-060-W	87.5*	0.60+	84	75	65	6	565
WBV-03-085-W	86.2	0.85	119	104	90	6	565
WBV-03-105-W	85.0	1.05	147	126	110	6	565
WBV-04-095-W	87.0*	0.95+	133	117	102	6	695
WBV-04-125-W	85.4	1.25	175	151	131	6	695
WBV-04-150-W	85.1	1.50	210	180	157	6	695
WBV-05-175-W†	85.5	1.75	245	212	184	7	830
WBV-05-195-W†	85.0	1.95	273	235	204	7	830

Boiler Dimensions

Boiler Model Number	Jacket Depth "A"	Jacket Width "B"	Jacket Height "C"	Rear of Jacket to c/l of Vent "D"	Vent Size Diameter "E"
Water					
WBV-03-060/085/105	14-1/8"	22-1/8"	35"	7-1/16"	6"
WBV-04-095/125/150	18-1/8"	22-1/8"	35"	9-1/16"	6"
WBV-05-175/195	22-1/8"	22-1/8"	35"	11-1/16"	7"
Steam					
WBV-03-085/105	15-3/4"	22-1/8"	35"	8-7/8"	—
WBV-04-125/150	19-3/4"	22-1/8"	35"	10-7/8"	—

Series WBV™ - Steam

Boiler Model Number	AFUE ⁵ , %	Input		Heating Capacity ⁵ , MBH	Net Ratings ⁴		Flue Collar (inch)	Approx. Ship Weight (lbs)
		GPH ¹	MBH		Steam sqft	Steam MBH ³		
WBV-03-085-S	84.8	0.85	119	103	321	77	6	570
WBV-03-105-S	83.6	1.05	147	124	388	93	6	570
WBV-04-125-S	85.3	1.25	175	151	471	113	6	685
WBV-04-150-S	84.3	1.50	210	179	558	134	6	685

* As an ENERGY STAR® Partner, PB Heat, LLC 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 us for details.

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

2 Net water ratings based on an allowance of 1.15.

3 Net 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.

6 Chimney Size: 8" x 8" x 15 ft.



PeerlessBoilers.com



Printed on Recycled Paper

PeerlessBoilers.com

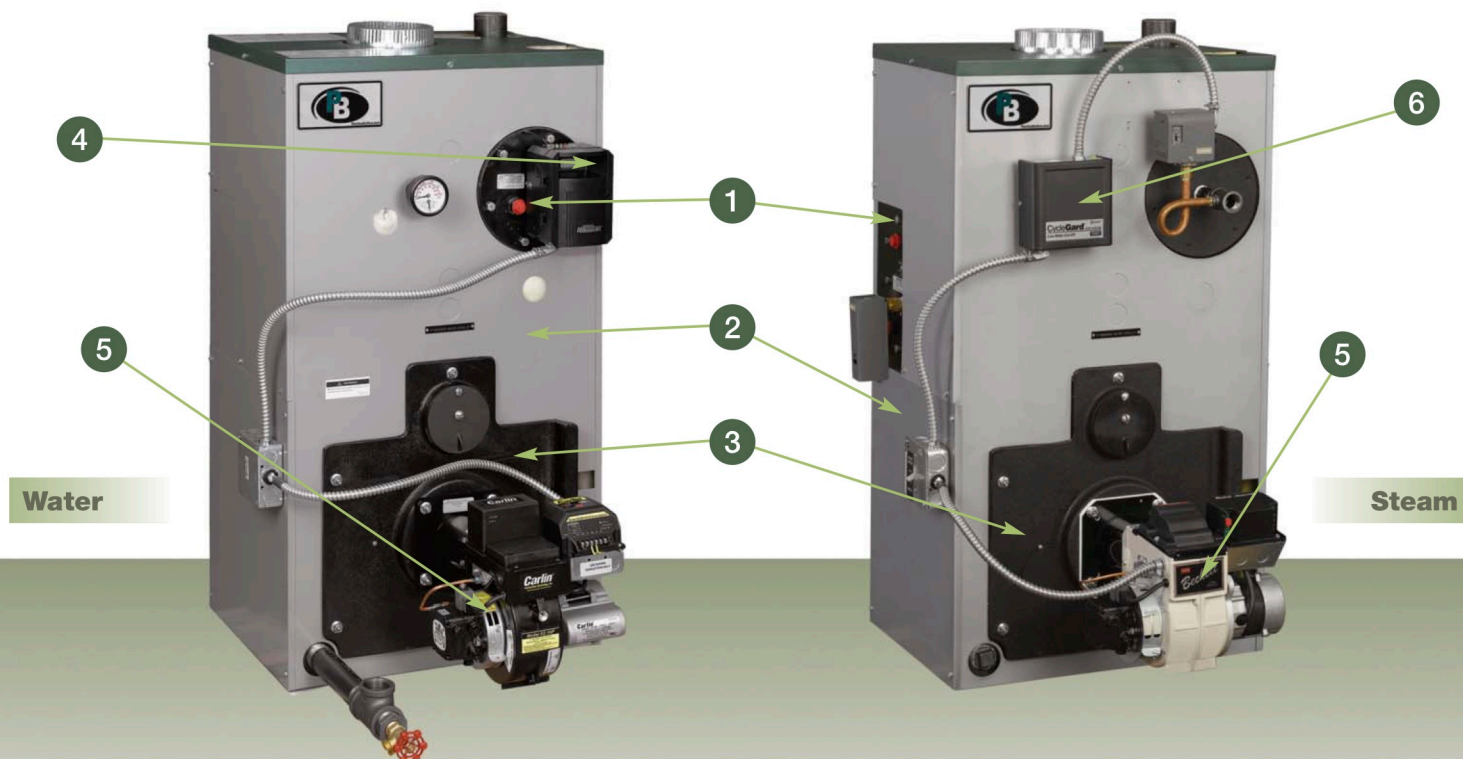
CUT-WBV R6 (5/19-4M)

Printed in U.S.A.

©2019 PB Heat, LLC. All rights reserved.

Series EC™

Residential Oil Boilers with Optional Tankless Heater



1 Tankless Heater (Optional)

2 Insulated Jacket

3 Full Plate Swing-Out Door

4 Boiler Limit and Reset Control
with Circulator Relay and LWCO

5 Flame Retention Burner

6 Low Water Cutoff

Series EC™ Boiler Features

- Up to 86.6% AFUE
- Residential, Oil-fired Boiler for Hot Water or Steam Systems
- Natural Draft (Chimney) Venting
- High Efficiency, Flame Retention Burners—choice of Beckett, Carlin or Riello
- 11 sizes Available (3-6 sections); Packaged or Knockdown Boilers
- Cast Iron Sections—Factory Tested and Assembled with Steel Push Nipples
- Large Water Content, Wet Base Section Design—Ideal for Steam and Large Volume Hot Water Applications
- Deluxe Powder Coated Steel Jacket—Reduces Boiler Heat Loss
- Full Plate Swing Out Door—For Quick and Easy Cleaning
- Optional Tankless Coils for Domestic Hot Water (Hot Water Boilers)

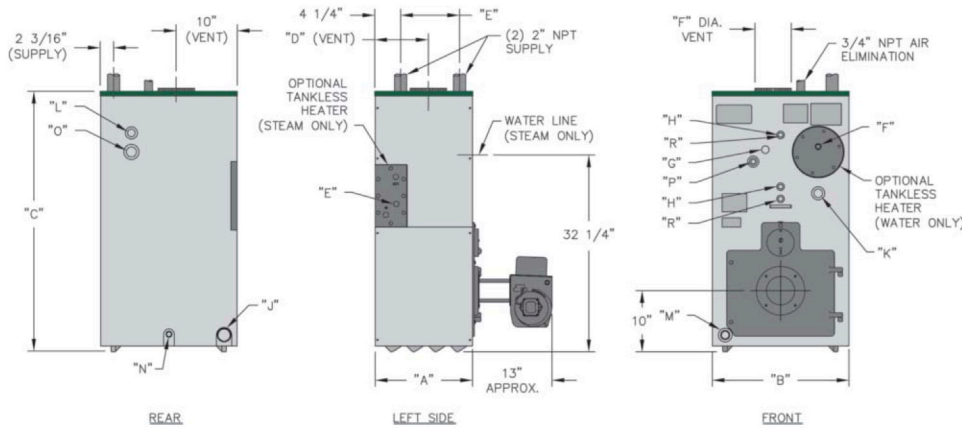
Standard Equipment

- Taco Circulator (Water Boilers)
- Barometric Draft Damper
- Drain Valve
- Service Switch on Packaged Boilers
- Probe Type LWCO (Packaged Steam Boilers)
- Skim Tapping (Steam Boilers)
- Boiler Reset Control with Low Water Cut-off for Increased Efficiency and Safety (Water Boilers)

All residential cast iron boilers include a full one-year warranty. A limited, non-prorated lifetime warranty is provided for the cast iron sections of Peerless® residential hot water boilers. A limited, ten-year warranty is provided on the cast iron sections of residential steam boilers. Visit PeerlessBoilers.com for complete details.



Technical Information



Tapping Locations

Location	Size N.P.T	Steam	Water
E	3/4"	Low Limit Control	N/A
F	3/4"	Pressure Gage	Limit Control
G	1/4"	N/A	Temperature-Pressure Gage
H	1/2"	Gage Glass and Float LWCO	N/A
J	2"	Return	Alternate Return
K	3/4"	Secondary Probe LWCO	N/A
L	3/4"	Safety Valve	Safety Relief Valve
M	1-1/4"	N/A	Return
N	3/4"	Drain Valve	Drain Valve
O	1-1/2"	Skim Tappig	Optional High Limit
P	3/4"	Primary Probe LWCO	N/A
R	1/2"	Gauge Glass for Primary Probe LWCO	N/A

Boiler Dimensions

Boiler Model Number	Jacket Depth "A"	Jacket Width "B"	Jacket Height "C"	Rear of Jacket to C/L of Vent "D"	Distance Between Supply Tappings "E"	Vent Size "F" Dia.
EC(T)-03	15-3/4"			8-3/4"	9-1/16"	6"
EC(T)-04	19-15/16"	22-1/2"	42"	10-7/8"	13-1/4"	7"
EC(T)-05	24-1/8"			13"	17-7/16"	8"
EC(T)-06	28-5/16"			15-1/16"	21-5/8"	9"

Crated Dimensions & Shipping Weights

Boiler Model Number	Length WPC-WPCT	Width WPC-WPCT	Height WPC-WPCT	Approximate Shipping Weight (lbs.)					
				Knockdown		Package			
				W-S	WU-SU	WPC	WPCT	SP	SPT
EC(T)-03	40"	28"	47"	570	610	700	710	690	700
EC(T)-04	40"	28"	47"	710	760	840	850	830	840
EC(T)-05	48"	28"	47"	840	880	—	—	—	—
EC(T)-06	48"	28"	47"	990	1030	—	—	—	—

Boiler Ratings

Series EC™												Water Content, Gallons		Minimum Stack Draft Required, in. W.C.
Boiler Model Number	Input		Output ⁵ , MBH		Net Ratings ⁴			AFUE, %		Thermal Efficiency ⁶ , %	Combustion Efficiency ⁶ , %			
	GPH ¹	MBH	Water	Steam	Steam, sqft	Steam, MBH ³	Water, MBH ²	Water	Steam					
EC(T)-03	0.75	105	92	91	283	68	80	86.6	85.4	—	—	17.40	14.16	-.03
EC(T)-03	1.00	140	121	120	375	90	105	85.3	84.4	—	—	17.40	14.16	-.04
EC(T)-03	1.20	168	143	142	446	107	124	84.0	82.9	—	—	17.40	14.16	-.05
EC(T)-04	1.25	175	152	151	471	113	132	86.1	85.1	—	—	21.72	17.28	-.03
EC(T)-04	1.50	210	181	180	563	135	157	85.2	84.5	—	—	21.72	17.28	-.04
EC(T)-04	1.75	245	209	208	650	156	182	84.5	83.8	—	—	21.72	17.28	-.05
EC(T)-05	1.75	245	214	212	663	159	186	86.2	85.6	—	—	26.04	20.40	-.03
EC(T)-05	2.00	280	241	240	750	180	210	85.2	84.6	—	—	26.04	20.40	-.04
EC(T)-05†	2.40	336	279	279	872	209	243	—	—	83.0	85.1	26.04	20.40	-.05
EC(T)-06†	2.75	385	321	321	1004	241	279	—	—	83.3	84.4	30.36	23.52	-.04
EC(T)-06†	3.00	420	347	347	1083	261	302	—	—	82.5	83.7	30.36	23.52	-.05

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

2 Net water ratings based on an allowance of 1.15.

3 Net 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.

6 Combustion efficiency, thermal efficiency and gross output are determined in accordance with BTS 2000 Testing Standard.



PeerlessBoilers.com



Printed on Recycled Paper

PeerlessBoilers.com

CUT-EC R7 (8/19-3M)

Printed in U.S.A.

©2019 PB Heat, LLC. All rights reserved.

Series MI85™/MIHII™/MI™ Residential Gas Boilers



- 1 Boiler Reset Control with Circulator Relay and Low Water Cut-off
- 2 Temperature-Pressure Gage
- 3 Insulated Jacket
- 4 Integral Draft Diverter

Series MI85™/MIHII™/MI™ Boiler Features

- Up to 85% AFUE (MI85™)
- Natural Gas-fired Boilers
(Series MI™ also available for LP gas systems)
- Residential Cast Iron Boiler for Hot Water Heating Systems
- Fully Packaged and Ready to Install
- Cast Iron Sections—Factory Tested and Assembled with Steel Push Nipples
- Can be Safely Vented into Natural Draft (Chimney) Venting
(See manual for specific venting instructions.)
- Deluxe Powder Coated Steel Jacket—Reduces Boiler Heat Loss
- Safety Controls—Flame Rollout Shut-off Switch, Vent Safety Switch and Low Water Cut-off
- Low Profile Design—Ideal for Installations with Low Ceilings

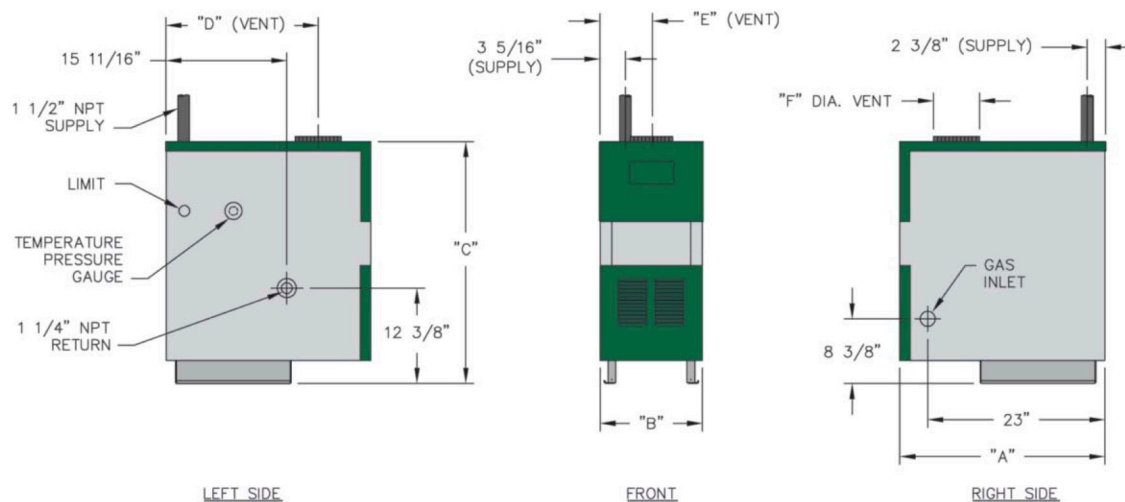
Standard Equipment

- Dependable Spark Ignition System
- Taco Circulator
- 30 PSI Safety Relief Valve
- Drain Valve
- Electrically Operated Automatic Vent Damper
- Boiler Reset Control with Low Water Cut-off for Increased Efficiency and Safety

All residential cast iron boilers include a full one-year warranty. A limited, lifetime warranty is provided for the cast iron sections of Peerless® residential hot water boilers. Visit PeerlessBoilers.com for complete details.



Technical Information



Boiler Dimensions

Boiler Model Number	Jacket Length (Depth) "A"	Jacket Width "B"	Jacket Height "C"	Rear of Jacket to c/l of Vent "D"	Left of Jacket to c/l of Vent "E"	Vent Size Diameter "F"
MI85-03	26-5/8"	12-1/2"	31-3/8"	20-13/16"	6-1/4"	4"
MIHII-03/MI-03	26-5/8"	12-1/2"	31-3/8"	20-13/16"	6-1/4"	5"
MI85-04/MIHII-04/MI-04	26-5/8"	15-7/8"	31-3/8"	20-13/16"	7-11/16"	5"
MI85-05/MIHII-05/MI-05	26-5/8"	19-1/4"	31-3/8"	21-13/16"	9-5/8"	6"
MI85-06/MIHII-06/MI-06	26-5/8"	22-5/8"	31-3/8"	21-13/16"	11-5/16"	6"
MI-07	26-5/8"	26"	31-3/8"	21-13/16"	13"	7"
MI-08	29-5/8"	29-3/8"	31-3/8"	23-5/16"	14-11/16"	8"
MI-09	29-5/8"	32-3/4"	31-3/8"	24-5/16"	16-3/8"	8"

Crated Dimensions & Shipping Weights

Boiler Model Number	Length (Depth)	Width	Height	Approximate Shipping Weight (lbs.)
MI85-03/MIHII-03/MI-03	30-7/8"	28-1/2"	36-1/2"	315
MI85-04/MIHII-04/MI-04	30-7/8"	28-1/2"	36-1/2"	375
MI85-05/MIHII-05/MI-05	30-7/8"	35-1/2"	36-1/2"	435
MI85-06/MIHII-06/MI-06	30-7/8"	35-1/2"	36-1/2"	505
MI-07	33-7/8"	42-1/4"	36-1/2"	575
MI-08	33-7/8"	42-1/4"	36-1/2"	630
MI-09	33-7/8"	45-1/2"	36-1/2"	685

Boiler Ratings

Series MI85™/MIHII™/MI™					Water Content, Gallons
Boiler Model Number	Input, MBH	Heating Capacity ³ , MBH	Net Ratings Water ^{1,2} , MBH	AFUE ³ , %	
MI85-03	60	51	44	85.0	4.72
MI85-04	90	77	67	85.0	6.00
MI85-05	120	102	89	85.1	7.28
MI85-06	150	128	111	85.1	8.56
MIHII-03	65	55	48	84.1	4.72
MIHII-04	97.5	82	71	84.1	6.00
MIHII-05	130	110	96	84.0	7.28
MIHII-06	162.5	137	119	84.0	8.56
MI-03	70	58	50	82.2	4.72
MI-04	105	86	75	82.1	6.0
MI-05	140	115	100	82.0	7.28
MI-06	175	143	124	82.0	8.56
MI-07	195	160	139	82.0	9.84
MI-08	227.5	186	162	82.0	11.12
MI-09	260	211	183	82.0	12.40

1 Net 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.



PeerlessBoilers.com



Printed on Recycled Paper

PeerlessBoilers.com

CUT-MI85/MIHII/MI R3 (1/16-5M)
Printed in U.S.A.
©2016 PB Heat, LLC. All rights reserved.

Peerless Boilers

Authorized Dealer:



Hart Home Comfort
30 Montauk Boulevard
Oakdale, NY 11769

www.HartHomeComfort.com

(631) 667-3200



PB HEAT, LLC

131 N Church St,
Bally, PA 19503

PeerlessBoilers.com