



Committed to Professional Installation.



**SALES DEPARTMENT**

For questions regarding where to purchase water heaters or who your local Bradford White representative is, call:

**800-523-2931**

**24/7 TECHNICAL SUPPORT**

For questions during and after installation, including sequence of operation, diagnosis, and repair assistance.

**Phone: 800-334-3393**

**Email: techserv@bradfordwhite.com**

**PRODUCT SUPPORT**

Pre-Installation support such as product sizing, performance, application, and clarification questions.

**Phone: 844-235-4958**

**Email: products@bradfordwhite.com**

**24/7 WARRANTY SUPPORT**

For questions regarding tank and/or parts warranty and limitations on warranties.

**Phone: 800-531-2111**

**Email: warranty@bradfordwhite.com**



To see Bradford White's complete line of products visit:  
**[www.bradfordwhite.com](http://www.bradfordwhite.com)**

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RPC-0521

## What American Strong means to Bradford White.

American Pride has always been in everything we do. Bradford White began over 135 years ago with a simple vision, to deliver high quality, superior products made by American craftspeople.

We are committed to American manufacturing. We are an American-owned company, with all our manufacturing facilities located in the United States. Bradford White proudly employs over 1,800 people at our American facilities.

We proudly support the professional. At Bradford White, we focus on the professional. Our quality product deserves a quality installation.

American Strong...around the world. Bradford White products are available to professionals around the world. For example, our Halton Hills, ON sales, training and distribution center provides full support to our Canadian customers.

Built to be the Best®. Bradford White proudly brings American ingenuity and quality to customers around the world. By combining American Strong manufacturing with select components and products sourced from top international partners, the result is all Bradford White products are Built to be the Best® - now and in the future.



## WE'RE HERE FOR THE PRO.

### And We Mean It.

At Bradford White, our business is being there for your business. Our job is to help you serve the needs of contractors, installers and specifying engineers. And that's not just talk - we stand behind you every day. **When you sell Bradford White, you can always count on getting:**

**Built to be the Best®** water heaters, boilers and tanks that deliver top quality, high performance and unmatched reliability.

**Unparalleled Tech Sales Support**, so you have all the resources you need to make sure the needs of your customers are met.

**Marketing Materials** to help you communicate with your professional customers and prospects more effectively than ever before.

**Our Exclusive For The Pro® Website** - full of tools to help you build your business and ensure your success.



Visit [bwfortheapro.com](http://bwfortheapro.com) to learn more!

**FOR THE PRO**



## Contents

### Residential Water Heaters

#### GAS

Atmospheric Vent High EF.....	8/9
Atmospheric Vent Damper.....	10/11
Atmospheric Vent Models.....	12/13
Atmospheric Vent High Input.....	14/15
Direct Vent.....	16/17
High Efficiency eF Series® Power Vent.....	18/19
Power Vent (TTW®).....	20/21
eF Series® Power Direct Vent.....	22/23
Power Direct Vent.....	24/25
Manufactured Home Closed Combustion/Direct Vent.....	26/27
Manufactured Home Atmospheric Combustion.....	28/29
Ultra Low NOx Atmospheric Vent Damper.....	30/31
Ultra Low NOx Atmospheric Vent.....	32/33
Ultra Low NOx Atmospheric Vent High Input.....	34/35
Ultra Low NOx TTW® Power Vent.....	36/37
Ultra Low NOx Power Direct Vent.....	38/39
Ultra Low NOx Direct Vent.....	40/41

Infiniti® K Tankless Indoor.....	42/43
Infiniti® K Tankless Outdoor.....	44/45
Infiniti Tankless® High Efficiency.....	46/47
Infiniti Tankless® Mid Efficiency.....	48/49

#### ELECTRIC

General Information.....	50/51
AeroTherm® Series Heat Pump.....	52/53
Upright Models.....	54/55
Large Volume Models.....	56/57
Lowboy Models.....	58/59
Wall Hung.....	60/61
Utility.....	62/63
Powerful Compact®.....	64/65
KwickShot® Instantaneous Water Heaters.....	66-69

#### SOLAR

Solar Saver® Electric Backup.....	70/71
-----------------------------------	-------

### HYDRONIC SPACE HEATING

Combi1® Single-Wall Atmospheric.....	72/73
Combi1® TTW® Single-Wall Power Vent Models.....	74/75
Combi2® Double-Wall Atmospheric Models.....	76/77
Combi2® TTW® Double-Wall Power Vent.....	78/79

### INDIRECTS

PowerStor Series® Single-Wall Indirect.....	80/81
PowerStor2™ Series Double-Wall Indirect.....	82/83
PowerStor Series® SS Single-Wall Indirect.....	84/85

### STORAGE TANKS

Storage Tank.....	86/87
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### Warranty Information.....

Tank Type Serial Number Identification.....	89
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**Some products may not be available in Canada. Please check with your supplier for product availability.**

## General Information About the Products in this Catalog

1. All Gas Water Heaters are design certified by CSA International (formerly AGA and CGA) in accordance with ANSI Z21.10.1 or 10.3 (latest addition). Closed Combustion Manufactured Home Water Heaters, are listed by Intertek (ETL).
2. All Electric Water Heaters are listed by Intertek (ETL).
3. All Residential Storage Models meet or exceed efficiency requirements of the Department of Energy. ASHRAE standard 90.1b (current standard) and the National Appliance Energy Conservation Act of 1987, recent amendment effective April 16, 2015 which supercedes all state and local efficiency requirements.
4. All Tank Type Water Heaters are certified at 300 PSI test pressure and 150 PSI working pressure (except where noted).
5. All Residential Water Connections are 3/4" NPT on 8" centers (except where noted).
6. All Residential Gas Models have 1/2" NPT Gas Connections (except where noted).
7. All Residential Water Heaters come with a T&P Relief Valve included (except where noted).
8. MANUFACTURED UNDER ONE OR MORE OF THE FOLLOWING U.S. PATENTS: 5,682,666; 7,634,976; 5,660,165; 5,954,492; 6,056,542; 6,935,280; 5,372,185; 5,485,879; 5,574,822; 7,971,560; 7,992,526; 6,684,821; 7,334,419; 7,866,168; 7,270,087; 7,007,748; 5,596,952; 6,142,216; 7,699,026; 5,341,770; 7,337,517; 7,665,211; 7,665,210; 7,063,132; 7,063,133; 7,559,293; 7,900,589; 5,943,984; 8,082,888; 5,988,117; 7,621,238; 7,650,859; 5,761,379; 7,409,925; 5,277,171; 8,146,772; 7,458,341; 2,262,174. OTHER U.S. AND FOREIGN PATENT APPLICATIONS PENDING. CURRENT CANADIAN PATENTS: 2,314,845; 2,504,824; 2,108,186; 2,143,031; 2,409,271; 2,548,958; 2,112,515; 2,476,685; 2,239,007; 2,092,105; 2,107,012.
9. All dimensions are in inches (unless otherwise noted). Dimensions and specifications subject to change without notice in accordance with our policy of continuous product improvement.
10. All products manufactured by Bradford White Water Heaters are designed, fabricated, and assembled in Middleville, MI. All raw materials and component parts are sourced from American companies for the highest level of American made content and manufacture, whenever possible.



Air-Conditioning, Heating, and Refrigeration Institute



American Society of Mechanical Engineers Heating Boilers



American Society of Mechanical Engineers Lined Potable Water Heaters



Compliance, Safety, Accountability



CSA International



Intertek



Intertek

Intertek



Underwriters Laboratories

# INNOVATION AND RESOURCES



## The Hydrojet® Total Performance System

The Hydrojet® Total Performance System helps reduce the accumulation of sediment buildup within the water heater resulting in better efficiency, longer tank life, more consistent temperatures, and a larger volume of hot water to meet your customer's needs.



## Vitraglas®

Bradford White water heaters are lined with the exclusive Vitraglas® enamel to provide unsurpassed protection so your customer's water heater lasts longer.

# INNOVATION AND RESOURCES

## The Defender Safety System® and Eco-Defender Safety System®

Designed for our gas-fired water heaters, the Defender Safety System® and Eco-Defender Safety System® helps protect families and their homes by resisting the ignition of flammable vapors from a spill outside the water heater. This technology gives them the peace-of-mind that their water heater will provide hot water safely and efficiently.

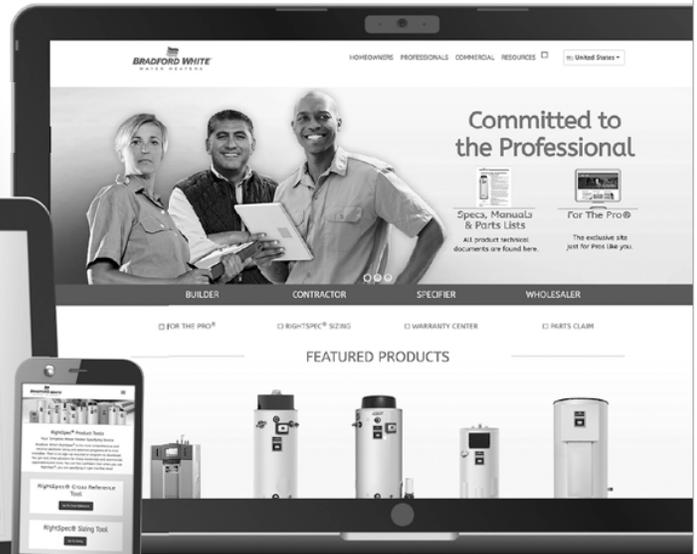


## The Bradford White ICON System® Intelligent Gas Control Valve

The ICON System™ is an exclusive gas control technology that provides you with numerous performance and energy-saving benefits such as an enhanced First Hour Delivery ratings and tighter temperature differentials. Intelligent Diagnostics assist in installation and troubleshooting through a multi-color LED light easily visible from a standing position.

## Online Resources

Bradford White's newly redesigned website is loaded with easy-to-use tools that can help save you a lot of time in the field. These resources include RightSpec® sizing tools and cross reference, eF Series® calculator, tank size calculator, spec sheets and more.

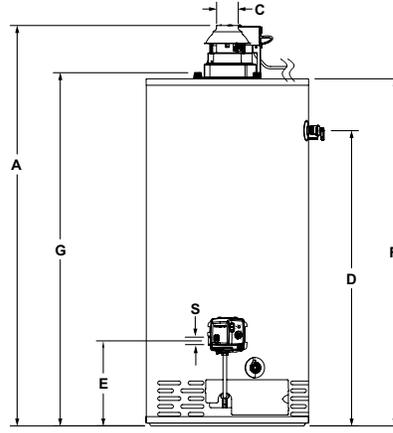
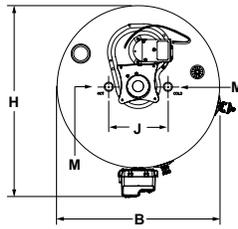


Visit [bradfordwhite.com](http://bradfordwhite.com) now to see all the resources available to you.



## Residential Gas Atmospheric Vent High EF Models

- ENERGY STAR® Qualified
- High Efficiency Blower
  - 10 ft. Power Cord Included (120 VAC)
- Bradford White ICON System®
  - Enhanced Performance
  - Advanced Temperature Control System
  - Intelligent Diagnostics
  - Separate Immersed Thermowell
- Defender Safety System® featuring the patented Advanced ScreenLok® Technology flame arrestor design
  - Flammable Vapor Sensor
  - Maintenance-Free
  - Sight Window
  - Pedestal Base
- Hydrojet® Total Performance System
- Vitraglas® Lining
- 2" Non-CFC Foam Insulation
- Water Connections—3/4" NPT true dielectric fittings
- Heat Traps
- Protective Magnesium Anode Rod
- 3"x4" "Snap Lock" Draft Diverter
- T&P Relief Valve
- Low Restrictive Brass Drain Valve



RG2F40S6N

## Atmospheric Vent High EF Models

Meet or exceed ASHRAE 90.1b (current standard) C.E.C. Listed  
78% Recovery Efficiency

DIMENSIONS IN INCHES

Model Number	Nominal Gal. Capacity		DOE Rated Storage Volume (Gal.)	Input		First Hour Rating (Gal.)	Uniform Energy Factor	Recovery at 90°F Rise*			
	U.S. Gal.	Imp. Gal.		BTU/Hr.	LP BTU/Hr.			U.S. GPH	Imp. GPH	U.S. GPH	LP GPH
★ RG2F40S6N	40	33	38	38,000	38,000	75	0.70	41	33	40	33
★ RG2F50S6N	50	42	48	38,000	38,000	76	0.68	41	33	40	33

Get additional product information, technical documentation, training videos and more at our exclusive site for the professional.

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Model Number	A Floor to Exhaust Conn. in.	B Jacket Dia. in.	C Vent Size in.	D Floor to T&P Conn. in.	E Floor to Gas Conn. in.	F Floor to Top of Heater in.	G Floor to Water Conn. in.	H Depth in.	J C/L of Water Conn. in.	M Water Conn. NPT in.	S Gas Conn. Size in.	Approx. Shipping Weight lbs.
★ RG2F40S6N	54 1/4	22	3 or 4	40	13	47	47 7/8	25 7/8	8	3/4	1/2	150
★ RG2F50S6N	55 1/4	24	3 or 4	40 5/8	13	48	48 7/8	27 7/8	8	3/4	1/2	176

Propane models feature a Titanium Stabilized Stainless Steel propane burner. For Propane (LP) models change suffix "N" to "X".

For 10 year models, change suffix from "6" to "10".

\* Based on manufacturer's rated recovery efficiency.

120V, 60Hz., 1 Amp.

Uniform Energy Factor and First Hour Rating are based on the latest AHRI directory listings.

★ = ENERGY STAR® Qualified.



Spec 1124. For additional documentation visit: [www.bradfordwhite.com/documentation](http://www.bradfordwhite.com/documentation)

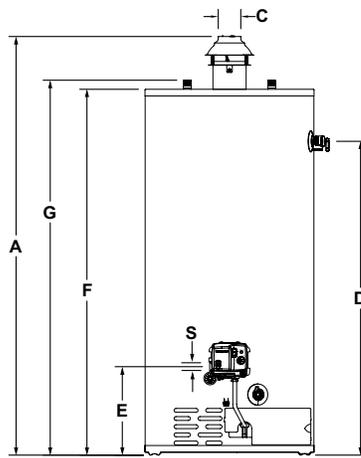
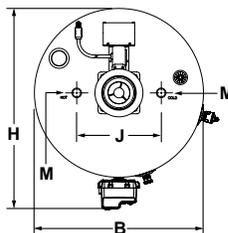


## Residential Gas Atmospheric Vent Damper Models

10/11

- ENERGY STAR® Qualified
- Bradford White ICON System®
  - Enhanced Performance
  - Advanced Temperature Control System
  - Intelligent Diagnostics
  - Separate Immersed Thermowell
- Automatic Flue Damper
  - 10 ft. Power Cord Included (120 VAC)
- Defender Safety System® featuring the patented Advanced ScreenLok® Technology flame arrester design
  - Flammable Vapor Sensor
  - Maintenance-Free
  - Sight Window
  - Pedestal Base
- Hydrojet® Total Performance System
- Vitraglas® Lining
- Non-CFC Foam Insulation
- Water Connections—3/4" NPT true dielectric fittings

- Heat Traps
- Protective Magnesium Anode Rod
- 3"x4" "Snap Lock" Draft Diverter
- T&P Relief Valve
- Low Restrictive Brass Drain Valve



RG2D40S6N

Spec 1120. For additional documentation visit: [www.bradfordwhite.com/documentation](http://www.bradfordwhite.com/documentation)

## Atmospheric Vent Damper Models

Meet or exceed ASHRAE 90.1b (current standard) C.E.C. Listed  
80% Recovery Efficiency

DIMENSIONS IN INCHES

Model Number	Nominal Gal. Capacity		DOE Rated Storage Volume (Gal.)	BTU/Hr. Input		First Hour Rating (Gal.)	Uniform Energy Factor	Recovery at 90°F Rise*			
	U.S. Gal.	Imp. Gal.		BTU/Hr. Input	LP BTU/Hr. Input			U.S. GPH	Imp. GPH	LP U.S. GPH	LP Imp. GPH
★ RG2D40S6N	40	35	38	38,000	38,000	62	0.64	41	34	41	34
★ RG2D50S6N	50	42	47	40,000	40,000	81	0.68	43	36	43	36

Get additional product information, technical documentation, training videos and more at our exclusive site for the professional.

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Model Number	A Floor to Exhaust Conn. in.	B Jacket Dia. in.	C Vent Size in.	D Floor to T&P Conn. in.	E Floor to Gas Conn. in.	F Floor to Top of Heater in.	G Floor to Water Conn. in.	H Depth in.	J C/L of Water Conn. in.	M Water Conn. NPT in.	S Gas Conn. Size in.	Approx. Shipping Weight lbs.
★ RG2D40S6N	54 1/2	22	3 or 4	41	13	47 11/16	48 7/8	26 1/8	11	3/4	1/2	155
★ RG2D50S6N	63 1/2	22	3 or 4	49 7/8	13	56 9/16	58	26 1/8	11	3/4	1/2	174

Propane models feature a Titanium Stabilized Stainless Steel propane burner. For Propane (LP) models change suffix "N" to "X". For 10 year models, change suffix from "6" to "10".

\* Based on manufacturer's rated recovery efficiency. 120V, 60Hz., 12 Amps.

Uniform Energy Factor and First Hour Rating are based on the latest AHRI directory listings.

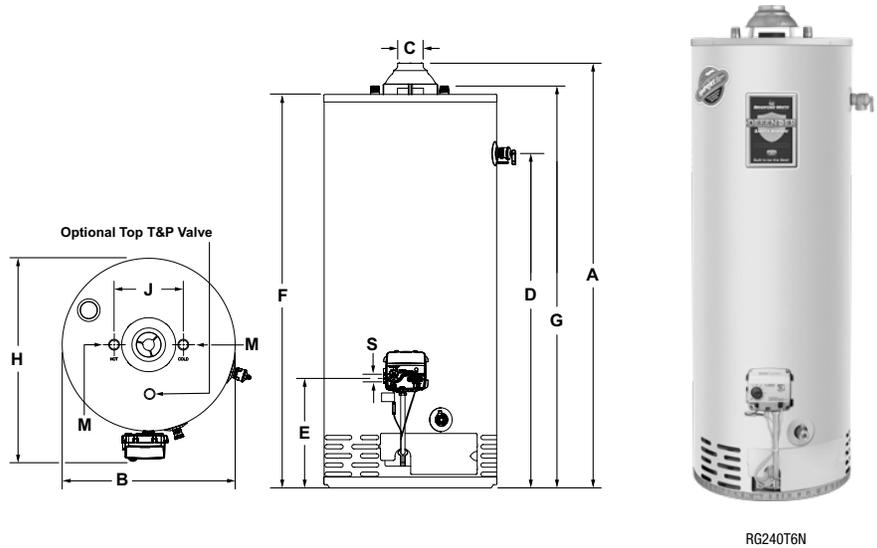
★ = ENERGY STAR® Qualified.





## Residential Gas Atmospheric Vent Models

- Bradford White ICON System®
  - Enhanced Performance
  - Advanced Temperature Control System
  - Intelligent Diagnostics
- Defender Safety System® featuring the patented Advanced ScreenLok® Technology flame arrester design
  - Resettable Thermal Switch
  - Maintenance-Free
  - Sight Window
  - Pedestal Base
- Hydrojet® Total Performance System
- Vitraglas® Lining
- Non-CFC Foam Insulation
- Water Connections—3/4" NPT true dielectric fittings
- Heat Traps
- Protective Magnesium Anode Rod
- 3"x4" "Snap Lock" Draft Diverter
- T&P Relief Valve
- Low Restrictive Brass Drain Valve



Spec 1101. For additional documentation visit: [www.bradfordwhite.com/documentation](http://www.bradfordwhite.com/documentation)

## Atmospheric Vent Models

Meet or exceed ASHRAE 90.1b (current standard) C.E.C. Listed  
79% Recovery Efficiency

DIMENSIONS IN INCHES

Model Number	Nominal Gal. Capacity		DOE Rated Storage Volume (Gal.)	BTU/Hr. Input	LP BTU/Hr. Input	First Hour Rating (Gal.)	Uniform Energy Factor	Recovery at 90°F Rise*			
	U.S. Gal.	Imp. Gal.						U.S. GPH	Imp. GPH	U.S. GPH	Imp. GPH
RG130T6N	30	25	29	27,000	27,000	46	0.54	29	24	29	24
RG230T6N	30	25	29	32,000	31,000	60	0.60	34	28	33	23
RG230S6N	30	25	29	30,000	26,000	49	0.54	32	37	32	27
RG140T6N	40	33	38	34,000	34,000	64	0.59	37	31	37	31
RG240T6N	40	33	38	40,000	36,000	75	0.64	43	36	34	33
RG240S6N	40	33	38	40,000	38,000	69	0.58	43	36	41	34
RG150T6N	50	42	47	34,000	34,000	75	0.63	37	31	37	31
RG250T6N	50	42	48	40,000	36,000	81	0.63	43	36	41	34
RG250L6N	48	40	47	40,000	38,000	77	0.63	43	36	41	34
RG250S6N	50	42	47	50,000	48,000	75	0.63	54	45	52	45

Propane models feature a Titanium Stabilized Stainless Steel propane burner.

For Propane (LP) models change suffix "N" to "X".

For 10 year models, change suffix from "6" to "10".

\* Based on manufacturer's rated recovery efficiency.

• Models feature optional top T&P location and must be specified when ordering.

Note: RG230S6N and RG250L6N do not have top T&P option.

Uniform Energy Factor and First Hour Rating are based on the latest AHRI directory listings.

Model Number	A Floor to Exhaust Conn. in.	B Jacket Dia. in.	C Vent Size in.	D Floor to T&P Conn. in.	E Floor to Gas Conn. in.	F Floor to Top of Heater in.	G Floor to Water Conn. in.	H Depth in.	J C/L of Water Conn. in.	M Water Conn. NPT in.	S Gas Conn. Size in.	Approx. Shipping Weight lbs.
RG130T6N	59 3/4	16	3 or 4	49 3/4	13	56 1/4	57	19 1/2	8	3/4	1/2	106
RG230T6N	59 3/4	18	3 or 4	49 3/4	13	56 1/4	57	21 1/2	8	3/4	1/2	116
RG230S6N	49 1/4	20	3 or 4	38 7/8	13	45 3/4	46 1/2	23 1/2	8	3/4	1/2	113
RG140T6N	61 5/16	18	3 or 4	51 5/8	13	57 13/16	59 9/16	21 1/2	8	3/4	1/2	132
RG240T6N	60 1/8	20	3 or 4	49 3/4	13	56 5/8	57 3/8	23 1/2	8	3/4	1/2	134
RG240S6N	51 9/16	22	3 or 4	41 1/16	13	48 1/16	48 13/16	25 1/2	8	3/4	1/2	139
RG150T6N	60 1/8	20	3 or 4	49 15/16	13	56 5/8	57 3/8	23 1/2	8	3/4	1/2	148
RG250T6N	60 1/8	22	3 or 4	49 15/16	13	56 5/8	57 3/8	25 1/2	8	3/4	1/2	154
RG250L6N	51 9/16	24	3 or 4	40 11/16	13	48 1/16	48 13/16	27 1/2	8	3/4	1/2	170
RG250S6N	60 1/8	22	4	49 15/16	13	56 5/8	57 3/8	25 1/2	8	3/4	1/2	167



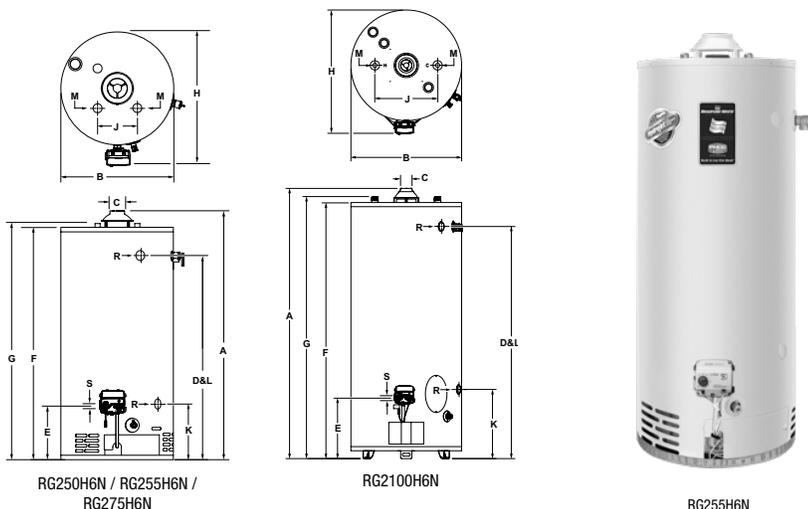
## Residential Gas Atmospheric Vent High Input Models

**All Model Features (except RG255H6N):**

- Bradford White ICON System®
  - Enhanced Performance
  - Advanced Temperature Control System
  - Intelligent Diagnostics

**All Model Features:**

- Hydrojet® Total Performance System
- Vitraglas® Lining
- Side Connections—3/4"
- Non-CFC Foam Insulation
- Pedestal Base (except RG2100H6N)
- Water Connections
- Hand Hole Cleanout (RG2100H6N only)
- Protective Magnesium Anode Rod
- 4" "Snap Lock" Draft Diverter
- T&P Relief Valve
- Low Restrictive Brass Drain Valve
- Thermostatic Mixing Valve (ASSE Approved)—Included with RG255H6N only



## Atmospheric Vent High Input Models

Meet or exceed ASHRAE 90.1b (current standard) C.E.C. Listed

DIMENSIONS IN INCHES

Model Number	Nominal Gal. Capacity		DOE Rated Storage Volume (Gal.)	Input		First Hour Rating (Gal.)	Uniform Energy Factor	Recovery at 90°F Rise*			
	U.S. Gal.	Imp. Gal.		BTU/Hr.	LP BTU/Hr.			U.S. GPH	Imp. GPH	LP U.S. GPH	LP Imp. GPH
RG250H6N	48	40	46	65,000	65,000	106	0.63	70	35	70	35
RG255H6N	55	46	55	78,000	78,000	117	0.61	84	70	84	70
RG275H6N	75	63	72	76,000	76,000	135	0.59	82	68	82	68
RG2100H6N	100	83	95	80,000	80,000	157	0.57	85	71	85	71

Get additional product information, technical documentation, training videos and more at our exclusive site for the professional.



Model Number	A Floor to Flue Conn. in.	B Jacket Dia. in.	C Vent Size in.	D Floor to T&P Conn. in.	E Floor to Gas Conn. in.	F Floor to Top of Heater in.	G Floor to Water Conn. in.	H Depth in.	J C/L of Water Conn. in.	K Floor to Space Heating Inlet in.	L Floor to Space Heating Outlet in.	M Water Conn. NPT in.	R Space Heating Conn. Size in.	S Gas Conn. Size in.	Approx. Shipping Weight lbs.
RG250H6N	60 1/8	22	4	49 15/16	13	56 5/8	57 3/8	25 1/2	11	13 7/16	49 15/16	3/4	3/4	1/2	189
RG255H6N	58 1/2	24	4	48 1/8	13 1/8	54 3/4	56 1/2	27 1/4	8	13 1/2	48 1/8	3/4	3/4	1/2	210
RG275H6N	62 5/8	26	4	51 7/8	15	59 5/8	60 1/16	29 1/4	11	16 5/8	51 7/8	1	3/4	1/2	240
RG2100H6N	71 1/2	28 1/4	4	59 5/16	15 3/16	65 5/16	66 1/2	31 3/4	16	17 5/8	50 5/8	1 1/4	3/4	1/2	413

\* Based on manufacturer's rated recovery efficiency.

Propane models feature a Titanium Stabilized Stainless Steel propane burner. For Propane (LP) models change suffix "N" to "X".

For 10 year models, change suffix from "6" to "10". RG255H6N not available as 10 year model.

RG2100H6N model features hand hole cleanout.

Uniform Energy Factor and First Hour Rating are based on the latest AHRI directory listings.

Spec 1108. For additional documentation visit: [www.bradfordwhite.com/documentation](http://www.bradfordwhite.com/documentation)

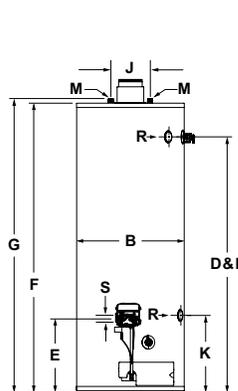


## Residential Gas Direct Vent Models

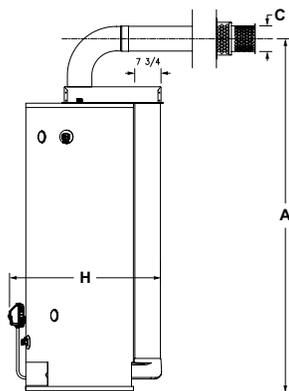
- Bradford White ICON System®
  - Enhanced Performance
  - Advanced Temperature Control System
  - Intelligent Diagnostics
- Defender Safety System® featuring the patented ScreenLok® Technology flame arrestor design
  - Resettable Thermal Switch
  - Maintenance-Free
  - Sight Window
  - Pedestal Base
- Closed Combustion
- Reinforced Seals
- Maintenance-Free
- Sight Window
- Hydrojet® Total Performance System
- Vitraglas® Lining
- Cast Aluminum Air Intake Boot
- Telescoping Solid Vent Kits
- Flexible Vent Kit
- Side Connections—3/4" NPT tappings (RG2DV50H6N only)

- 2" Non-CFC Foam Insulation
- Water Connections—3/4" NPT—True dielectric fittings
- Heat Traps

- Protective Magnesium Anode Rod
- T&P Relief Valve
- Low Restrictive Brass Drain Valve



Telescoping Solid Vent Kit (Side View)



Flexible Vent Kit (Side View)



RG2DV50H6N

## Direct Vent Models

Meet or exceed ASHRAE 90.1b (current standard) C.E.C. Listed  
78% Recovery Efficiency

DIMENSIONS IN INCHES

Model Number	Nominal Gal. Capacity		DOE Rated Storage Volume (Gal.)	BTU/Hr. Input	LP BTU/Hr. Input	First Hour Rating (Gal.)	Uniform Energy Factor	Recovery at 90°F Rise*			
	U.S. Gal.	Imp. Gal.						U.S. GPH	Imp. GPH	U.S. GPH	Imp. GPH
RG2DV40S6N	40	33	38	38,000	36,000	62	0.60	41	34	39	32
RG2DV50S6N	50	42	47	42,000	40,000	77	0.64	45	35	43	36
RG2DV50H6N	48	40	46	50,000	48,000	96	0.64	54	45	50	42

All Propane models feature a Titanium Stabilized Stainless Steel propane burner.  
For Propane (LP) models change suffix "N" to "X".  
For 10 year models, change suffix from "6" to "10".

\* Based on manufacturer's rated recovery efficiency.  
Uniform Energy Factor and First Hour Rating are based on the latest AHRI directory listings.

Model Number	A Floor to C/L of Vent in.	B Jacket Dia. in.	C Vent Size in. I.D. / O.D.		D Floor to T&P Conn. in.	E Floor to Gas Conn. in.	F Floor to Top of Heater in.	G Floor to Water Conn. in.	H Depth in.	J C/L of Water Conn. in.	K Floor to Space Heating Inlet in.	L Floor to Space Heating Outlet in.	M Water Conn. NPT in.	R Space Heating Conn. Size in.	S Gas Conn. Size in.	Approx. Shipping Weight lbs.
RG2DV40S6N	63 1/2 min.	22	3	5	43 1/2	13	50 3/16	51 1/8	31	8	N/A	N/A	3/4	N/A	1/2	189
RG2DV50S6N	72 1/2 min.	22	3	5	52 1/4	13	59 3/16	60 1/8	31	8	N/A	N/A	3/4	N/A	1/2	212
RG2DV50H6N	75 7/8 min.	22	4	6	52 1/4	13	59 3/16	60 1/8	31	11	15 3/4	52 1/4	3/4	3/4	1/2	234

RG2DV40S6N / RG2DV50S6N Solid Vent Kit: Part No. 239-51283-00. RG2DV40S6N / RG2DV50S6N Flexible Vent Kit: Part No. 239-51284-00.

RG2DV50H6N Solid Vent Kit: Part No. 239-51286-00. RG2DV50H6N Flexible Vent Kit: Part No. 239-51287-00.

Kits can be ordered and shipped with water heater, or ordered and shipped separately. For vent kit components and venting instructions, refer to Installation and Operation Manual.

RG2DV40S6N / RG2DV50S6N Optional Telescoping Solid Vent Kits:

- Kit "A" Telescopes from 4 3/8" to 5 1/8" Part No. 239-41260-00
- Kit "B" Telescopes from 6 1/8" to 9 1/8" Part No. 239-41331-00
- Kit "C" Telescopes from 13 3/8" to 23 1/8" Part No. 239-41029-00
- Kit "D" Telescopes from 49 3/8" to 95 3/8" Part No. 239-41424-00

RG2DV50H6N Optional Telescoping Solid Vent Kits:

- Kit "F" Telescopes from 4 3/8" to 5 7/8" Part No. 239-42516-00
- Kit "G" Telescopes from 6 1/8" to 9 1/8" Part No. 239-42517-00
- Kit "H" Telescopes from 13 3/8" to 23 1/8" Part No. 239-42514-00
- Kit "I" Telescopes from 49 3/8" to 95 3/8" Part No. 239-42512-00

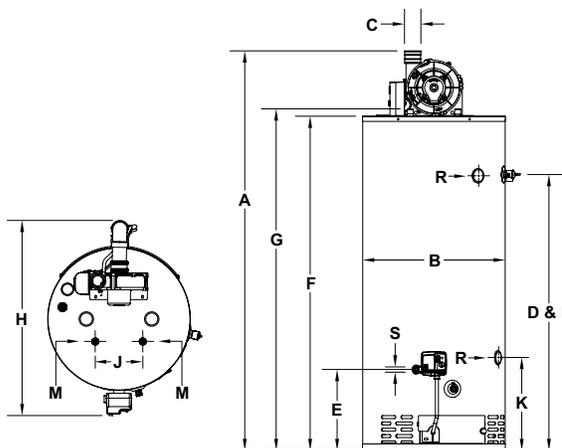
Spec 1105. For additional documentation visit: [www.bradfordwhite.com/documentation](http://www.bradfordwhite.com/documentation)



## Residential Gas High Efficiency eF Series® Power Vent Model 90%+ Thermal Efficiency

18/19

- ENERGY STAR® Qualified
- Vertical, Dual-pass Heat Exchanger System
- Vitraglas® Protection—On both primary and secondary heat exchanger
- Self-priming Condensate Tee
- Power Vent
- Horizontal and Vertical Venting
- Bradford White ICON System®
  - Enhanced Performance
  - Advanced Temperature Control System
  - Intelligent Diagnostics
  - Separate Immersed Thermowell
- Hydrojet® Total Performance System
- Vitraglas® Lining
- 2" Non-CFC Foam Insulation
- Pedestal Base
- Water Connections—3/4" NPT
- 3/4" NPT Side Connections
- Heat Traps
- Two Protective Anode Rods
- T&P Relief Valve
- Low Restrictive Brass Drain Valve



RC2PV50H6N

## High Efficiency eF Series® Power Vent Model 90%+ Thermal Efficiency

DIMENSIONS IN INCHES

Meet or exceed ASHRAE 90.1b (current standard) C.E.C. Listed

Model Number	Nominal Gal. Capacity		DOE Rated Storage Volume (Gal.)	BTU/Hr. Input		First Hour Rating (Gal.)	Uniform Energy Factor	Recovery at 90°F Rise*			
	U.S. Gal.	Imp. Gal.		BTU/Hr. Input	LP BTU/Hr. Input			U.S. GPH	Imp. GPH	LP U.S. GPH	LP Imp. GPH
★RC2PV50H6N	50	42	49	76,000	76,000	120	0.80	91	77	93	77

Get additional product information, technical documentation, training videos and more at our exclusive site for the professional.

**FOR THE PRO**® [bwfortheapro.com](http://bwfortheapro.com)

Model Number	A Floor to Vent Conn. in.	B Jacket Dia. in.	C Vent Size in.	D Floor to T&P Conn. in.	E Floor to Gas Conn. in.	F Floor to Top of Heater in.	G Floor to Water Conn. in.	H Depth in.	J C/L of Water Conn. in.	K Floor to Space Heating Inlet in.	L Floor to Space Heating Outlet in.	M Water Conn. NPT in.	R Space Heating Conn. Size in.	S Gas Conn. Size in.	Approx. Shipping Weight lbs.
★RC2PV50H6N	67 <sup>1/16</sup>	24	2, 3, and 4	46 <sup>3/8</sup>	13 <sup>3/8</sup>	56 <sup>1/4</sup>	57	32 <sup>7/8</sup>	8	15 <sup>5/8</sup>	46 <sup>3/8</sup>	3/4	3/4	1/2	225

Propane models feature a Titanium Stabilized Stainless Steel propane burner. For Propane (LP) models change suffix "N" to "X". For 10 year models, change suffix from "6" to "10".

\* Based on manufacturer's rated recovery efficiency.

Uniform Energy Factor and First Hour Rating are based on the latest AHRI directory listings.

★ = ENERGY STAR® Qualified.



Optional Condensate Neutralizer Kit: p/n A2123601.

RC2PV50H6N	2" Vent Pipe	3" Vent Pipe	4" Vent Pipe
Max. Equivalent Length	†50 ft.	†120 ft.	†180 ft.
Min. Equivalent Length	7 ft.	15 ft.	15 ft.
Number of 90° Elbows	1	45 ft.	115 ft.
	2	40 ft.	110 ft.
	3	35 ft.	105 ft.

Subtract 5 ft. for each additional 90° elbow.

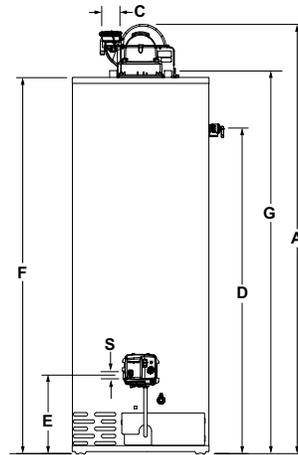
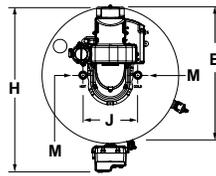
† For high altitude installations, consult the installation instructions.

Spec 1263. For additional documentation visit: [www.bradfordwhite.com/documentation](http://www.bradfordwhite.com/documentation)



## Residential Gas Power Vent (TTW®) Models

- ENERGY STAR® Qualified—Some models
- Bradford White ICON System®
  - Enhanced Performance
  - Advanced Temperature Control System
  - Intelligent Diagnostics
  - Separate Immersed Thermowell
- Power Vented Water Heater
- Powerful Blower Motor
  - Exclusively featuring the AquaVENT MAX™ from Fasco™ the quietest blower motor in the industry (40,000 BTU/Hr. Models)
  - 8.5 ft. Power Cord Included (120 VAC)
- Horizontal and Vertical Venting
- Defender Safety System® featuring the patented advanced ScreenLok® Technology flame arrester design (except models above 75,000 BTU/Hr.)
  - Flammable Vapor Sensor
  - Maintenance-Free
  - Sight Window
  - Pedestal Base
- Hydrojet® Total Performance System
- Vitraglas® Lining
- Non-CFC Foam Insulation
- Water Connections—3/4" NPT
- 3/4" NPT Side Connections (RG2PV50H6N, RG1PV55H6N, and RG2PV75H6N only)
- Heat Traps
- Protective Magnesium Rod (RG1PV55H6N has two)
- T&P Relief Valve
- Low Restrictive Brass Drain Valve
- Thermostatic Mixing Valve (ASSE Approved) — Included with RG1PV55H6N only



RG2PV50T6N

Spec 1261. For additional documentation visit: [www.bradfordwhite.com/documentation](http://www.bradfordwhite.com/documentation)

## Power Vent (TTW®) Models

Meet or exceed ASHRAE 90.1b (current standard) C.E.C. Listed  
80% Recovery Efficiency

DIMENSIONS IN INCHES

Model Number	Nominal Gal. Capacity		DOE Rated Storage Volume (Gal.)	BTU/Hr. Input	LP BTU/Hr. Input	First Hour Rating (Gal.)	Uniform Energy Factor	Recovery at 90°F Rise*			
	U.S. Gal.	Imp. Gal.						U.S. GPH	Imp. GPH	U.S. GPH	Imp. GPH
★ RG1PV40S6N	40	33	38	40,000	38,000	75	0.68	43	36	41	34
★ RG1PV50S6N	50	42	48	40,000	38,000	78	0.69	43	36	41	34
★ RG2PV40S6N	40	33	38	40,000	38,000	75	0.72	43	36	41	34
★ RG2PV50S6N	50	42	48	40,000	38,000	78	0.72	43	36	41	34
★ RG2PV40T6N	40	33	38	40,000	40,000	78	0.72	43	36	43	36
★ RG2PV50T6N	50	42	48	40,000	40,000	75	0.72	43	36	43	36
★ RG2PV50H6N	48	42	46	65,000	58,000	116	0.68	70	58	62	52
★ RG1PV55H6N	55	46	55	78,000	78,000	125	0.68	84	70	84	70
★ RG2PV75H6N	75	62	72	76,000	75,500	121	0.69	82	68	81	67

Propane models feature a Titanium Stabilized Stainless Steel propane burner. For Propane (LP) models change suffix "N" to "X". For 10 year models, change suffix from "6" to "10". RG1PV55H6N not available as 10 year model.\*Based on manufacturer's rated recovery efficiency. 120 VAC Required for Power Venting / 120 VAC 60Hz., 3.1 Amperes. Uniform Energy Factor and First Hour Rating are based on the latest AHRI directory listings. ★ = ENERGY STAR® Qualified.

	RG2PV40S6N RG1PV50S6N		RG2PV50S6N RG2PV40T6N		RG2PV50H6N RG1PV55H6N RG2PV75H6N		3" Vent Pipe		4" Vent Pipe	
	2" Vent Pipe	3" Vent Pipe	2" Vent Pipe	3" Vent Pipe	3" Vent Pipe	4" Vent Pipe	3" Vent Pipe	4" Vent Pipe		
Max. Equivalent Length	†50 ft.	†120 ft.	†50 ft.	†120 ft.	†50 ft.	†180 ft.	†50 ft.	†180 ft.		
Min. Equivalent Length	7 ft.	15 ft.	7 ft.	15 ft.	7 ft.	15 ft.	7 ft.	15 ft.		
Number of 90° Elbows	1	45 ft.	115 ft.	2	40 ft.	110 ft.	1	45 ft.	175 ft.	
	2	40 ft.	110 ft.	3	35 ft.	105 ft.	2	40 ft.	170 ft.	
	3	35 ft.	105 ft.	90° Elbows	3	35 ft.	3	35 ft.	165 ft.	

Subtract 5 ft. for each additional 90° elbow. †For high altitude installations, consult the installation instructions.

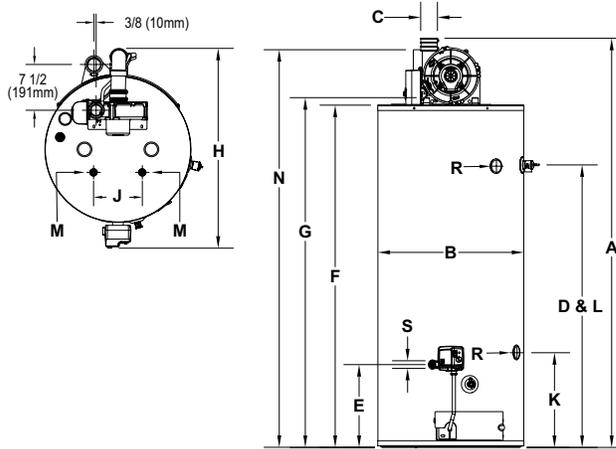
Model Number	A Floor to Top of Blower in.	B Jacket Dia. in.	C Vent Size in.	D Floor to T&P Conn. in.	E Floor to Gas Conn. in.	F Floor to Top of Heater in.	G Floor to Water Conn. in.	H Depth in.	J C/L of Water Conn. in.	K Floor to Space Heating Inlet in.	L Floor to Space Heating Outlet in.	M Water Conn. NPT in.	R Space Heating Conn. Size in.	S Gas Conn. Size in.	Approx. Shipping Weight lbs.
★ RG1PV40S6N	55 7/16	20	2 or 3	40	11 1/2	46 1/2	49	25 15/16	8	N/A	N/A	3/4	N/A	1/2	140
★ RG1PV50S6N	56 9/8	22	2 or 3	40 9/8	11 1/2	48 3/16	50 1/2	27 3/16	8	N/A	N/A	3/4	N/A	1/2	166
★ RG2PV40S6N	55 7/16	22	2 or 3	40 1/8	11 1/2	47 3/16	49	27 3/16	8	N/A	N/A	3/4	N/A	1/2	142
★ RG2PV50S6N	56 7/16	24	2 or 3	40 9/8	11 1/2	48 3/16	50 1/2	28 7/8	8	N/A	N/A	3/4	N/A	1/2	168
★ RG2PV40T6N	65	20	2 or 3	49 11/16	11 1/2	56 3/4	58	26 1/8	8	N/A	N/A	3/4	N/A	1/2	146
★ RG2PV50T6N	65 13/16	22	2 or 3	50 9/16	11 1/2	57 9/16	58	27 3/16	8	N/A	N/A	3/4	N/A	1/2	173
★ RG2PV50H6N	66 1/2	22	3 or 4	49 7/8	11 1/2	56 3/4	57 3/4	26 15/16	11	13 3/8	49 7/8	3/4	3/4	1/2	187
★ RG1PV55H6N	64 9/16	22	3 or 4	47 15/16	11 1/2	54 3/4	56	27 3/16	7 3/4	13 3/8	47 15/16	3/4	3/4	1/2	219
★ RG2PV75H6N	69 1/2	26	3 or 4	51 15/16	13 15/16	59 11/16	60 3/4	30 11/16	11	16 11/16	51 15/16	3/4	3/4	1/2	260



# Residential Gas Residential eF Series® Power Direct Vent Gas Water Heater

22/23

- ENERGY STAR® Qualified
- Vertical, Dual-pass Heat Exchanger System
- Closed Combustion Venting System
- Cast Aluminum Air Intake Boot
- Horizontal and Vertical Venting
- Optional Concentric Vent Kit Termination
- Bradford White ICON System®
  - Enhanced Performance
  - Advanced Temperature Control System
  - Intelligent Diagnostics
  - Separate Immersed Thermowell
- Hydrojet® Total Performance System
- Vitraglas® Lining
- 2" Non-CFC Foam Insulation
- Pedestal Base
- Water Connections—3/4" NPT
- 3/4" NPT Side Connections
- Heat Traps
- Two Protective Anode Rods
- T&P Relief Valve
- Low Restrictive Brass Drain Valve



RC2PDV50H6N

## Residential eF Series® Power Direct Vent Gas Water Heater

**DIMENSIONS IN INCHES**

Model Number	Nominal Gal. Capacity		DOE Rated Storage Volume (Gal.)	BTU/Hr. Input	LP BTU/Hr. Input	First Hour Rating (Gal.)	Uniform Energy Factor	Recovery at 90°F Rise*				Get additional product information, technical documentation, training videos and more at our exclusive site for the professional.																
	U.S. Gal.	Imp. Gal.						U.S. GPH	Imp. GPH	LP U.S. GPH	LP Imp. GPH	<b>FOR THE PRO</b> bwfortheopro.com																
★ RC2PDV50H6N	50	42	48	76,000	76,000	125	0.80	89	77	93	77	Model Number	A Floor to Vent Conn. in.	B Jacket Dia. in.	C Vent Size in.	D Floor to T&P Conn. in.	E Floor to Gas Conn. in.	F Floor to Top of Heater in.	G Floor to Water Conn. in.	H Depth in.	J C/L of Water Conn. in.	K Floor to Space Heating Inlet in.	L Floor to Space Heating Outlet in.	M Water Conn. NPT in.	N Floor to Intake Conn. in.	R Space Heating Conn. Size in.	S Gas Conn. Size in.	Approx. Shipping Weight lbs.
★ RC2PDV50H6N	67 <sup>7/16</sup>	24	2, 3, and 4	46 <sup>3/8</sup>	14 <sup>1/8</sup>	56 <sup>1/4</sup>	57	33 <sup>3/4</sup>	8	15 <sup>5/8</sup>	46 <sup>3/8</sup>	3/4	65 <sup>5/8</sup>	3/4	1/2	290												

Propane models feature a Titanium Stabilized Stainless Steel propane burner. For Propane (LP) models change suffix "N" to "X". For 10 year models, change suffix from "6" to "10".

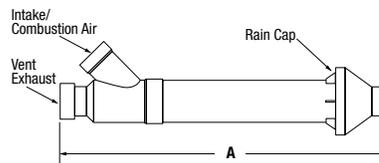
\* Based on manufacturer's rated recovery efficiency.  
110 VAC Required for Power Venting / 110 VAC, 60Hz., 3.1 Amperes.  
Uniform Energy Factor and First Hour Rating are based on the latest AHRI directory listings.

★ = ENERGY STAR® Qualified.

Optional Condensate Neutralizer Kit:  
p/n A2123601.

**Concentric Vent Kit Termination**

2" Kit	A (in.)
P/N 239-44069-02	29 <sup>1/4</sup>
3" Kit	A (in.)
P/N 239-44069-01	36 <sup>1/4</sup>



RC2PDV50H6N	2" Vent Pipe	3" Vent Pipe	4" Vent Pipe
Max. Intake Length	50 ft.	120 ft.	180 ft.
Min. Exhaust Length	†50 ft.	†120 ft.	†180 ft.
Min. Equivalent Length	7 ft.	15 ft.	15 ft.
Number of 90° Elbows	1 2 3	45 ft. 110 ft. 105 ft.	115 ft. 170 ft. 165 ft.

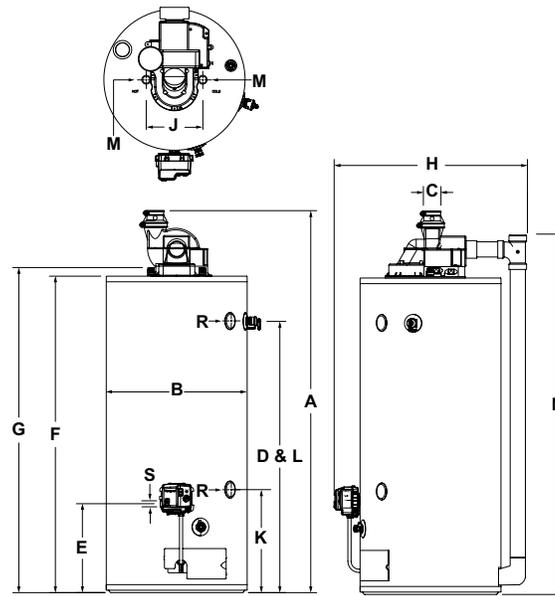
Subtract 5 ft. for each additional 90° elbow.  
† For high altitude installations, consult the installation instructions.

Spec 1264. For additional documentation visit: [www.bradfordwhite.com/documentation](http://www.bradfordwhite.com/documentation)



# Residential Gas Power Direct Vent Models

- ENERGY STAR® Qualified—Some models
- Bradford White ICON System®
  - Enhanced Performance
  - Advanced Temperature Control System
  - Intelligent Diagnostics
  - Separate Immersed Thermowell
- Defender Safety System®
  - Flammable Vapor Sensor
  - Maintenance-Free
  - Sight Window
  - Pedestal Base
- Closed Combustion Venting System
- Powerful Blower Model
  - 10 ft. Power Cord Included (120 VAC)
- Cast Aluminum Air Intake Boot
- Horizontal and Vertical Venting
- Optional Concentric Vent Kit Termination
- Flammable Vapor Sensor
- Hydrojet® Total Performance System
- Vitraglas® Lining
- 2" Non-CFC Foam Insulation
- Water Connections— 3/4" NPT
- Side Connections— 3/4" NPT (RG2PDV50H6N and RG2PDV75H6N only)
- Heat Traps
- Protective Magnesium Anode Rod
- T&P Relief Valve
- Low Restrictive Brass Drain Valve



RG2PDV40S6N

Spec 1117. For additional documentation visit: [www.bradfordwhite.com/documentation](http://www.bradfordwhite.com/documentation)

## Power Direct Vent Models

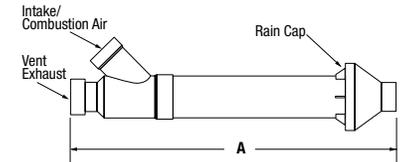
Meet or exceed ASHRAE 90.1b (current standard) C.E.C. Listed  
78% Recovery Efficiency

DIMENSIONS IN INCHES

Model Number	Nominal Gal. Capacity		DOE Rated Storage Volume (Gal.)	BTU/Hr. Input		First Hour Rating (Gal.)	Uniform Energy Factor	Recovery at 90°F Rise*			
	U.S. Gal.	Imp. Gal.		BTU/Hr.	LP BTU/Hr. Input			U.S. GPH	Imp. GPH	U.S. GPH	LP GPH
★ RG2PDV40S6N	40	33	38	40,000	38,000	75	0.70	43	36	41	34
★ RG2PDV50S6N	50	42	48	40,000	38,000	80	0.68	43	36	41	34
★ RG2PDV50H6N	48	40	46	60,000	60,000	103	0.68	65	54	65	54
RG2PDV75H6N	75	62	72	80,000	78,000	134	0.69	86	72	84	70

### Concentric Vent Kit Termination

2" Kit	A (in.)
P/N 239-44069-02	29 1/4
3" Kit	A (in.)
P/N 239-44069-01	36 1/4



Model Number	A Floor to Exhaust Conn. in.	B Jacket Dia. in.	C Vent Size in.	D Floor to T&P Conn. in.	E Floor to Gas Conn. in.	F Floor to Top of Heater in.	G Floor to Water Conn. in.	H Depth in.	J C/L of Water Conn. in.	K Floor to Space Heating Inlet in.	L Floor to Space Heating Outlet in.	M Water Conn. NPT in.	N Floor to Air Intake in.	R Space Heating Conn. Size in.	S Gas Conn. Size in.	Approx. Shipping Weight lbs.
★ RG2PDV40S6N	59 7/8	22	2 or 3	42 9/16	13 15/16	49 9/16	49 15/16	32 3/8	8	N/A	N/A	3/4	59 7/16	N/A	1/2	161
★ RG2PDV50S6N	60 7/8	24	2 or 3	43 1/16	13 15/16	50 9/16	52	34 3/8	8	N/A	N/A	3/4	60 7/16	N/A	1/2	192
★ RG2PDV50H6N	69 1/16	22	3 or 4	52 5/16	13 15/16	59 5/16	60 3/16	30 1/2	11	15 13/16	52 5/16	3/4	69 3/16	3/4	1/2	204
RG2PDV75H6N	69 1/2	26	3 or 4	51 15/16	13 15/16	59 11/16	60 3/16	35 3/8	11	16 11/16	51 15/16	3/4	69 9/16	3/4	1/2	291

Propane models feature a Titanium Stabilized Stainless Steel propane burner.

For Propane (LP) models change suffix "N" to "X".

For 10 year models, change suffix from "6" to "10".

\* Based on manufacturer's rated recovery efficiency.

110 VAC Required for Power Venting / 110 VAC, 60Hz., 3.1 Amperes.

Uniform Energy Factor and First Hour Rating are based on the latest AHRI directory listings.

★ = ENERGY STAR® Qualified.



2" Vent Pipe	RG2PDV40S6N RG2PDV50S6N	3" Vent Pipe	RG2PDV40S6N RG2PDV50S6N	RG2PDV50H6N RG2PDV75H6N	4" Vent Pipe	RG2PDV50H6N RG2PDV75H6N
Max. Intake Length	†35 ft.	Max. Intake Length	†85 ft.	†60 ft.	Max. Intake Length	†100 ft.
Max. Exhaust Length	35 ft.	Max. Exhaust Length	85 ft.	60 ft.	Max. Exhaust Length	100 ft.
Min. Vent Length	7 ft.	Min. Vent Length	7 ft.	7 ft.	Min. Vent Length	7 ft.
Number of 90° Elbows	1 2 3	30 ft. 25 ft. 20 ft.	Number of 90° Elbows	1 2 3	80 ft. 75 ft. 70 ft.	55 ft. 50 ft. 45 ft.
					Number of 90° Elbows	1 2 3
						95 ft. 90 ft. 85 ft.

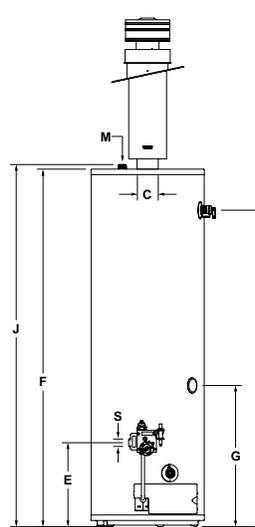
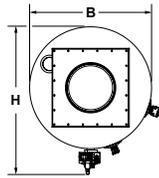
Subtract 5 ft. for each additional 90° elbow. †For high altitude installations, consult the installation instructions.



## Residential Gas Manufactured Home Closed Combustion/Direct Vent Models

26/27

- Housing and Urban Development
- Sealed Combustion Roof Jack Kit—Must order for new installations
- Flue Baffle
- Heat Traps
- Vitraglas® Lining
- Fully Automatic Controls
- 2" Non-CFC Foam Insulation
- Water Connections—3/4" NPT
- Protective Magnesium Anode Rod
- T&P Relief Valve
- Low Restrictive Brass Drain Valve
- Convertible Gas Control



RG2DVMH30T6X

page 26

## Manufactured Home Closed Combustion/Direct Vent Models

Meet or exceed ASHRAE 90.1b (current standard) C.E.C. Listed  
79% Recovery Efficiency

DIMENSIONS IN INCHES

Model Number	Nominal Gal. Capacity		DOE Rated Storage Volume (Gal.)	BTU/Hr. Input		First Hour Rating (Gal.)	Uniform Energy Factor	Recovery at 90°F Rise*			
	U.S. Gal.	Imp. Gal.		BTU/Hr. Input	LP BTU/Hr. Input			U.S. GPH	Imp. GPH	LP U.S. GPH	LP Imp. GPH
RG2DVMH30T6X	30	27	29	30,000	30,000	56	0.60	32	27	32	27
RG2DVMH40T6X	40	33	38	30,000	30,000	51	0.58	32	27	32	27

Get additional product information, technical documentation, training videos and more at our exclusive site for the professional.

**FOR THE PRO** [bwfortheapro.com](http://bwfortheapro.com)

Model Number	B Jacket Dia. in.	C Vent Size in.	D Floor to T&P Conn. in.	E Floor to Gas Conn. in.	F Floor to Top of Heater in.	G Floor to Cold Water Conn. in.	H Depth in.	J Floor to Hot Water Conn. in.	M Water Conn. NPT in.	S Gas Conn. Size in.	Approx. Shipping Weight lbs.
RG2DVMH30T6X	18	3	50 <sup>5</sup> / <sub>16</sub>	13 <sup>3</sup> / <sub>8</sub>	57	22 <sup>7</sup> / <sub>16</sub>	21 <sup>5</sup> / <sub>8</sub>	57 <sup>11</sup> / <sub>16</sub>	3/4	1/2	119
RG2DVMH40T6X	20	3	50 <sup>5</sup> / <sub>16</sub>	13 <sup>3</sup> / <sub>8</sub>	57 <sup>1</sup> / <sub>8</sub>	22 <sup>7</sup> / <sub>16</sub>	23 <sup>5</sup> / <sub>8</sub>	58 <sup>15</sup> / <sub>16</sub>	3/4	1/2	139

To order a natural gas heater change suffix "X" to "N". For 10 year models, change suffix from "6" to "10".

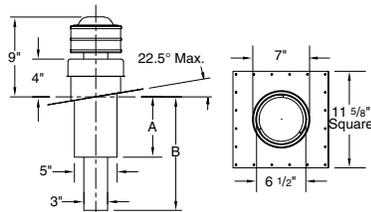
\* Based on manufacturer's rated recovery efficiency. Uniform Energy Factor and First Hour Rating are based on the latest AHRI directory listings.

This water heater is of the closed combustion type (direct venting) for mobile home applications only, where all combustion air is supplied from the outdoors through the air intake and all combusted gas products are vented directly to the outside by means of the roof jack. No draft diverter (vent hood) is required for this water heater. The ETL listing of this water heater includes the field installation of the following components: roof jack, roof jack clamp, air intake, air intake seal, and heater tie down materials. These components for field installation are shipped with the heater in a separate box and must be installed according to instructions. No other components are approved for use with the water heater. The water heater must be installed in accordance with The Federal Mobile Home Construction and Safety Standard or in the absence of such standard, The Standard for Mobile Homes (ANSI/NFPA No. 601B-1977)

### Optional Roof Jack Kits

Part Number	A	B	Through The Roof Clearance
239-37022-01	15"	16"-33"	12"
239-37022-02	33 <sup>1</sup> / <sub>2</sub> "	33 <sup>1</sup> / <sub>2</sub> "-66"	18" / 32"
239-37022-03	32 <sup>1</sup> / <sub>2</sub> "-62 <sup>1</sup> / <sub>2</sub> "	37 <sup>1</sup> / <sub>2</sub> "-74"	32" / 60"
239-37022-04	50"-98 <sup>1</sup> / <sub>2</sub> "	54 <sup>1</sup> / <sub>2</sub> "-109 <sup>1</sup> / <sub>2</sub> "	48" / 90"

Includes: roof jack, hardware, air intake, instructions.



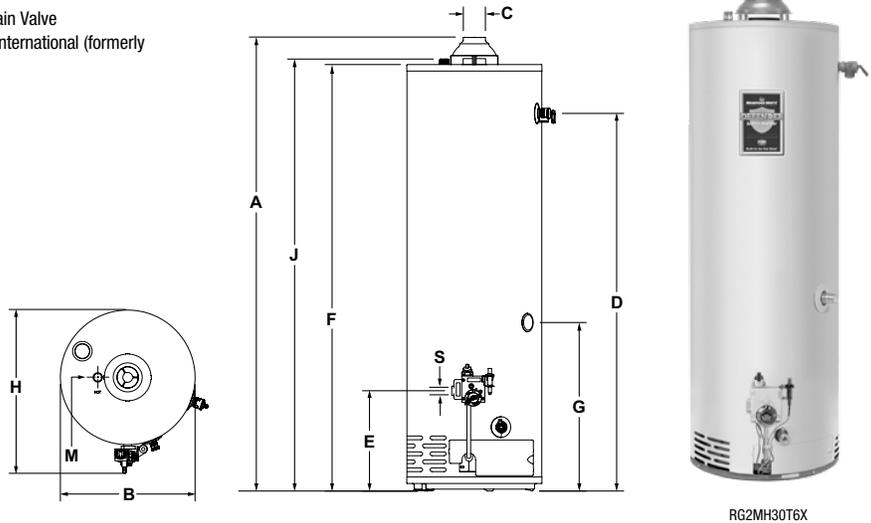
Spec 1107. For additional documentation visit: [www.bradfordwhite.com/documentation](http://www.bradfordwhite.com/documentation)

page 27



# Residential Gas Manufactured Home Atmospheric Combustion Models

- Defender Safety System® featuring the patented Advanced ScreenLok® Technology flame arrester design
  - Resettable Thermal Switch
  - Maintenance-Free
  - Sight Window
  - Pedestal Base
- Piezo Igniter
- Housing and Urban Development
- Roof Jack Kit—Must order for new installations
- Vitraglas® Lining
- Fully Automatic Controls
- Convertible Gas Control
- 2" Non-CFC Foam Insulation
- Water Connections—3/4" NPT
- Heat Trap
- Protective Magnesium Anode Rod
- 3"x4" "Snap Lock" Draft Diverter
- Flue Baffle
- Steel Tank
- T&P Relief Valve
- Low Restrictive Brass Drain Valve
- Design Certified by CSA International (formerly AGA/CGA).



RG2MH30T6X

## Manufactured Home Atmospheric Combustion Models

Meet or exceed ASHRAE 90.1b (current standard) C.E.C. Listed  
77% Recovery Efficiency

DIMENSIONS IN INCHES

Model Number	Nominal Gal. Capacity		DOE Rated Storage Volume (Gal.)	BTU/Hr. Input	LP BTU/Hr. Input	First Hour Rating (Gal.)	Uniform Energy Factor	Recovery at 90°F Rise*			
	U.S. Gal.	Imp. Gal.						U.S. GPH	Imp. GPH	LP U.S. GPH	LP Imp. GPH
RG2MH30T6X	30	25	29	32,000	32,000	50	0.54	34	28	34	28
RG2MH40T6X	40	33	37	34,000	34,000	54	0.59	37	31	37	31

Get additional product information, technical documentation, training videos and more at our exclusive site for the professional.

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Model Number	A Floor to Flue Conn. in.	B Jacket Dia. in.	C Vent Size in.	D Floor to T&P Conn. in.	E Floor to Gas Conn. in.	F Floor to Top of Heater in.	G Floor to Cold Water Conn. in.	H Depth in.	J Floor to Hot Water Conn. in.	M Water Conn. NPT in.	S Gas Conn. Size in.	Approx. Shipping Weight lbs.
RG2MH30T6X	59 <sup>15/16</sup>	18	3 or 4	49 <sup>11/16</sup>	12 <sup>3/4</sup>	56 <sup>3/8</sup>	21 <sup>13/16</sup>	21 <sup>5/8</sup>	57 <sup>5/8</sup>	3/4	1/2	118
RG2MH40T6X	60 <sup>3/8</sup>	20	3 or 4	49 <sup>11/16</sup>	13 <sup>3/8</sup>	56 <sup>1/4</sup>	21 <sup>13/16</sup>	23 <sup>5/8</sup>	57 <sup>13/16</sup>	3/4	1/2	135

To order a natural gas heater change suffix "X" to "N". For 10 year models, change suffix from "6" to "10".

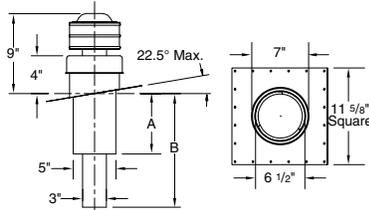
\* Based on manufacturer's rated recovery efficiency. Uniform Energy Factor and First Hour Rating are based on the latest AHRI directory listings.

The water heater enclosure access door must be on the outside wall of the manufactured home (mobile home) only. Access to the water heater enclosure from the inside of the manufactured home (mobile home) is not permitted. The CSA International (formerly AGA/CGA) listing of this water heater includes the field installation of the following components: roof jack and heater tie down materials. These components for field installation are shipped in a separate box from the heater and must be installed according to instructions. No other components are approved for use with the water heater. The water heater must be installed in accordance with The Federal Manufactured Home Construction and Safety Standard Title 24 CFR, Part 3280.

### Optional Roof Jack Kits

Part Number	A	B	Through The Roof Clearance
239-37030-01	15"	16"-33"	12"
239-37030-02	33 <sup>1/2</sup> "	33 <sup>1/2</sup> "-66"	18" / 32"
239-37030-03	32 <sup>1/2</sup> "-62 <sup>1/2</sup> "	37 <sup>1/2</sup> "-74"	32" / 60"
239-37030-04	50"-98 <sup>1/2</sup> "	54 <sup>1/2</sup> "-109 <sup>1/2</sup> "	48" / 90"

Includes: roof jack, hardware, air intake, instructions.



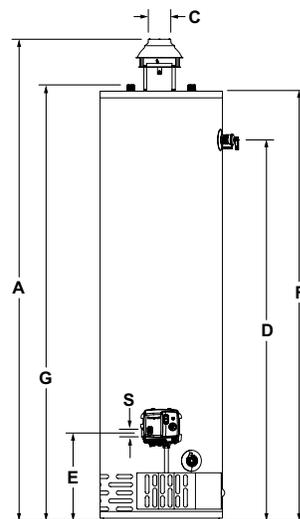
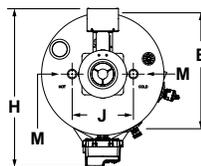
Spec 1110. For additional documentation visit: [www.bradfordwhite.com/documentation](http://www.bradfordwhite.com/documentation)



## Residential Gas Ultra Low NOx Atmospheric Vent Damper Models

30/31

- ENERGY STAR® Qualified
- Bradford White ICON System®
  - Enhanced Performance
  - Advanced Temperature Control
  - Intelligent Diagnostics
  - Separate Immersed Thermowell
- Automatic Flue Damper
  - 10 ft. Power Cord Included (120 VAC)
- Eco-Defender Safety System® featuring the patented advanced ScreenLok® Technology flame arrestor design
  - Digital Thermal Sensor and Resettable Thermal Switch
  - Maintenance-Free
  - Sight Window
  - Pedestal Base
- Ultra Low NOx Burner with Primary and Secondary Air Distribution Devices
- Hydrojet® Total Performance System
- Vitraglas® Lining
- Non-CFC Foam Insulation
- Water Connections—3/4" NPT
- Heat Traps
- Protective Magnesium Anode Rod
- 3"x4" "Snap Lock" Draft Diverter
- T&P Relief Valve
- Low Restrictive Brass Drain Valve
- Design Certified by CSA International (formerly AGA and CGA).
- Complies with the Latest Ultra Low NOx Requirement (10 ng/J NOx limit)



URG2D50S6N

## Ultra Low NOx Atmospheric Vent Damper Models

Meet or exceed ASHRAE 90.1b (current standard) C.E.C. Listed  
78% Recovery Efficiency

DIMENSIONS IN INCHES

Model Number	Nominal Gal. Capacity		DOE Rated Storage Volume (Gal.)	BTU/Hr. Input	First Hour Rating (Gal.)	Uniform Energy Factor	Recovery at 90°F Rise*	
	U.S. Gal.	Imp. Gal.					U.S. GPH	Imp. GPH
★ URG2D40S6N	40	33	38	38,000	67	0.64	40	33
★ URG2D50S6N	50	42	47	40,000	81	0.68	42	35

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Model Number	A Floor to Flue Conn. in.	B Jacket Dia. in.	C Vent Size in.	D Floor to T&P Conn. in.	E Floor to Gas Conn. in.	F Floor to Top of Heater in.	G Floor to Water Conn. in.	H Depth in.	J C/L of Water Conn. in.	M Water Conn. NPT in.	S Gas Conn. Size in.	Approx. Shipping Weight lbs.
★ URG2D40S6N	57 <sup>5</sup> / <sub>16</sub>	22	3 or 4	41	11 1/2	48 <sup>9</sup> / <sub>16</sub>	49 <sup>9</sup> / <sub>16</sub>	26 1/8	11	3/4	1/2	159
★ URG2D50S6N	65 <sup>7</sup> / <sub>8</sub>	22	3 or 4	49 <sup>7</sup> / <sub>8</sub>	11 1/2	56 <sup>3</sup> / <sub>4</sub>	58 <sup>11</sup> / <sub>16</sub>	26	11	3/4	1/2	172

Available in Natural Gas only.

For 10 year models, change suffix from "6" to "10".

\* Based on manufacturer's rated recovery efficiency.

Uniform Energy Factor and First Hour Rating are based on the latest AHRI directory listings.

★ = ENERGY STAR® Qualified.

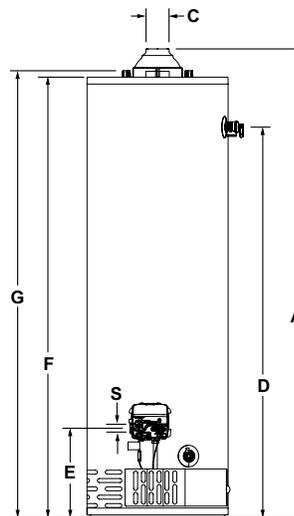
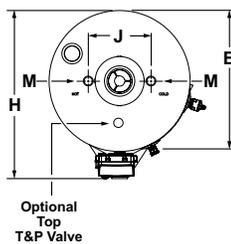


Spec 1118. For additional documentation visit: [www.bradfordwhite.com/documentation](http://www.bradfordwhite.com/documentation)



## Residential Gas Ultra Low NOx Atmospheric Vent Models

- Bradford White ICON System®
    - Enhanced Performance
    - Advanced Temperature Control System
    - Intelligent Diagnostics
  - Eco-Defender Safety System® featuring the patented advanced ScreenLok® Technology flame arrester design
    - Digital Thermal Sensor and Resettable Thermal Switch
    - Maintenance-Free
    - Sight Window
    - Pedestal Base
  - Ultra Low NOx Burner with Primary and Secondary Air Distribution Devices
  - Hydrojet® Total Performance System
  - Vitraglas® Lining
  - Non-CFC Foam Insulation
  - Water Connections—3/4" NPT
  - Heat Traps
  - Protective Magnesium Anode Rod
  - 3"x4" "Snap Lock" Draft Diverter
  - Flue Baffle
- Steel Tank
  - T&P Relief Valve
  - Low Restrictive Brass Drain Valve
  - Design Certified by CSA International (formerly AGA and CGA)
  - Complies with the Latest Ultra Low NOx Requirement (10 ng/J NOx limit)



URG250T6N

Spec 1113. For additional documentation visit: [www.bradfordwhite.com/documentation](http://www.bradfordwhite.com/documentation)

## Ultra Low NOx Atmospheric Vent Models

Meet or exceed ASHRAE 90.1b (current standard) C.E.C. Listed  
80% Recovery Efficiency

DIMENSIONS IN INCHES

Model Number	Nominal Gal. Capacity		DOE Rated Storage Volume (Gal.)	BTU/Hr. Input	First Hour Rating (Gal.)	Uniform Energy Factor	Recovery at 90°F Rise*	
	U.S. Gal.	Imp. Gal.					U.S. GPH	Imp. GPH
• URG130T6N	30	25	29	27,000	46	0.54	29	24
• URG230T6N	30	25	29	32,000	60	0.60	34	28
• URG140T6N	40	33	38	34,000	64	0.59	37	31
• URG240T6N	40	33	38	40,000	75	0.64	43	36
• URG240S6N	40	33	38	40,000	69	0.58	43	36
• URG150T6N	50	42	47	34,000	75	0.63	37	31
• URG250T6N	50	42	48	40,000	81	0.63	43	36
URG250L6N	48	40	47	40,000	77	0.63	43	36
• URG250S6N	50	42	47	50,000	75	0.63	54	45

Available in Natural Gas only.

For 10 year models, change suffix from "6" to "10".

\* Based on manufacturer's rated recovery efficiency.

• Models feature optional top T&P location and must be specified when ordering. Note: URG250L6N does not have top T&P option.

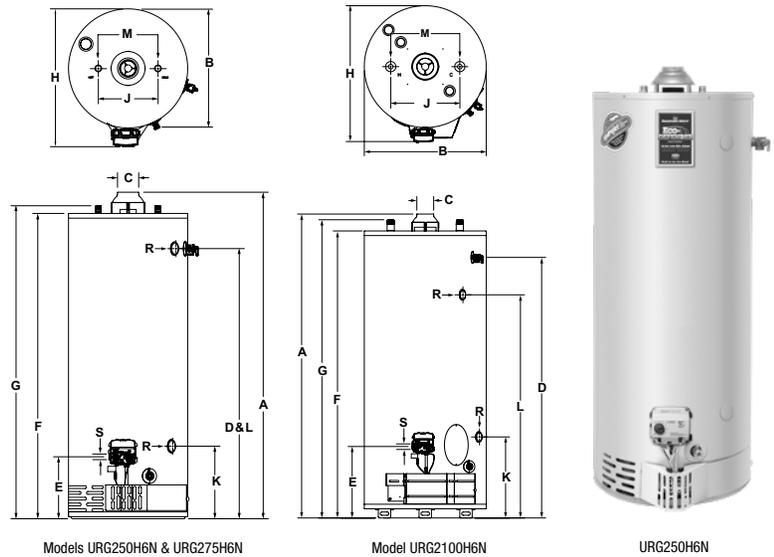
Uniform Energy Factor and First Hour Rating are based on the latest AHRI directory listings.

Model Number	A Floor to Flue Conn. in.	B Jacket Dia. in.	C Vent Size in.	D Floor to T&P Conn. in.	E Floor to Gas Conn. in.	F Floor to Top of Heater in.	G Floor to Water Conn. in.	H Depth in.	J C/L of Water Conn. in.	M Water Conn. NPT in.	S Gas Conn. Size in.	Approx. Shipping Weight lbs.
• URG130T6N	59 <sup>31/32</sup>	16	3 or 4	50 <sup>3/32</sup>	11 <sup>7/16</sup>	56 <sup>1/3</sup>	57 <sup>1/16</sup>	20 <sup>1/16</sup>	8	3/4	1/2	112
• URG230T6N	59 <sup>27/32</sup>	18	3 or 4	49 <sup>21/32</sup>	11 <sup>7/16</sup>	56 <sup>2/5</sup>	57 <sup>1/16</sup>	21 <sup>3/16</sup>	8	3/4	1/2	119
• URG140T6N	61 <sup>1/2</sup>	18	3 or 4	59 <sup>1/2</sup>	11 <sup>7/16</sup>	57 <sup>15/16</sup>	59 <sup>1/2</sup>	22 <sup>3/16</sup>	8	3/4	1/2	130
• URG240T6N	60 <sup>5/16</sup>	20	3 or 4	56 <sup>5/8</sup>	11 <sup>7/16</sup>	56 <sup>3/4</sup>	57 <sup>3/4</sup>	23 <sup>3/16</sup>	8	3/4	1/2	137
• URG240S6N	51 <sup>3/4</sup>	22	3 or 4	47 <sup>1/4</sup>	11 <sup>7/16</sup>	48 <sup>3/16</sup>	49 <sup>7/16</sup>	25 <sup>3/16</sup>	8	3/4	1/2	149
• URG150T6N	60 <sup>5/16</sup>	20	3 or 4	56 <sup>3/8</sup>	11 <sup>7/16</sup>	56 <sup>3/4</sup>	57 <sup>7/8</sup>	24 <sup>3/16</sup>	8	3/4	1/2	153
• URG250T6N	60 <sup>5/16</sup>	22	3 or 4	57	11 <sup>7/16</sup>	56 <sup>11/16</sup>	58 <sup>1/16</sup>	25 <sup>3/8</sup>	8	3/4	1/2	160
URG250L6N	51 <sup>13/16</sup>	24	3 or 4	40 <sup>5/8</sup>	11 <sup>7/16</sup>	48 <sup>3/16</sup>	49 <sup>9/16</sup>	27 <sup>3/16</sup>	8	3/4	1/2	174
• URG250S6N	60 <sup>5/8</sup>	22	4	57	11 <sup>7/16</sup>	56 <sup>3/4</sup>	57 <sup>15/16</sup>	25 <sup>3/16</sup>	8	3/4	1/2	169



## Residential Gas Ultra Low NOx Atmospheric Vent High Input Models

- Bradford White ICON System®
  - Enhanced Performance
  - Advanced Temperature Control System
  - Intelligent Diagnostics
- Eco-Defender Safety System® featuring the patented advanced ScreenLok® Technology flame arrestor design (URG250H6N only)
  - Digital Thermal Sensor and Resettable Thermal Switch (URG250H6N only)
  - Maintenance-Free
  - Sight Window
  - Pedestal Base (URG250H6N & URG275H6N only)
- Defender Combustion Chamber (URG250H6N only)
- Ultra Low NOx with Primary and Secondary Air Distribution Devices
- Hydrojet® Total Performance System
- Vitraglas® Lining
- Side Connections—3/4" NPT
- Non-CFC Foam Insulation
- Water Connections
- Heat Traps
- Protective Magnesium Anode Rod
- 4" (107mm) "Snap Lock" Draft Diverter.
- T&P Relief Valve
- Low Restrictive Brass Drain Valve
- Design Certified by CSA International (formerly AGA and CGA).
- URG250H6N Complies with the Latest Ultra Low NOx Requirement (10 ng/J NOx limit)
- URG275H6N / URG2100H6N complies with (14 ng/J NOx limit)



## Ultra Low NOx Atmospheric Vent High Input Models

Meet or exceed ASHRAE 90.1b (current standard) C.E.C. Listed  
Recovery efficiency up to 80%

DIMENSIONS IN INCHES

Model Number	Nominal Gal. Capacity		DOE Rated Storage Volume (Gal.)	Input BTU/Hr.	First Hour Rating (Gal.)	Uniform Energy Factor	Recovery at 90°F Rise*	
	U.S. Gal.	Imp. Gal.					U.S. GPH	Imp. GPH
URG250H6N	48	40	46	55,000	110	0.64	59	49
URG275H6N	75	62	72	76,000	135	0.59	82	68
URG2100H6N	100	83	95	80,000	157	0.57	85	71

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**FOR THE PRO** [bwforthepro.com](http://bwforthepro.com)

Model Number	A Floor to Flue Conn. in.	B Jacket Dia. in.	C Vent Size in.	D Floor to T&P Conn. in.	E Floor to Gas Conn. in.	F Floor to Top of Heater in.	G Floor to Water Conn. in.	H Depth in.	J C/L of Water Conn. in.	K Floor to Space Heating Inlet in.	L Floor to Space Heating Outlet in.	M Water Conn. NPT in.	R Space Heating Conn. Size in.	S Gas Conn. Size in.	Approx. Shipping Weight lbs.
URG250H6N	60 <sup>5</sup> / <sub>8</sub>	22	4	49 <sup>7</sup> / <sub>8</sub>	117 <sup>1</sup> / <sub>16</sub>	56 <sup>3</sup> / <sub>4</sub>	58 <sup>1</sup> / <sub>16</sub>	25 <sup>3</sup> / <sub>8</sub>	11	13 <sup>3</sup> / <sub>8</sub>	49 <sup>7</sup> / <sub>8</sub>	3/4	3/4	1/2	194
URG275H6N	64 <sup>1</sup> / <sub>4</sub>	26	4	53 <sup>3</sup> / <sub>8</sub>	15 <sup>1</sup> / <sub>8</sub>	60 <sup>5</sup> / <sub>16</sub>	61 <sup>3</sup> / <sub>4</sub>	29 <sup>3</sup> / <sub>8</sub>	11	16 <sup>11</sup> / <sub>16</sub>	53 <sup>3</sup> / <sub>8</sub>	1	3/4	1/2	286
URG2100H6N	69 <sup>3</sup> / <sub>8</sub>	28 <sup>1</sup> / <sub>4</sub>	4	60 <sup>3</sup> / <sub>8</sub>	16 <sup>1</sup> / <sub>2</sub>	66 <sup>1</sup> / <sub>2</sub>	68 <sup>5</sup> / <sub>8</sub>	31 <sup>3</sup> / <sub>4</sub>	16	18 <sup>3</sup> / <sub>4</sub>	51 <sup>11</sup> / <sub>16</sub>	1 <sup>1</sup> / <sub>4</sub>	3/4	1/2	416

Available in Natural Gas only.

For 10 year models, change suffix from "6" to "10".

\* Based on manufacturer's rated recovery efficiency.

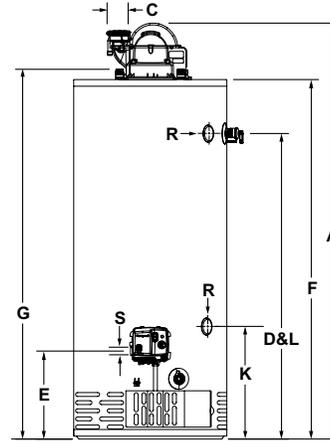
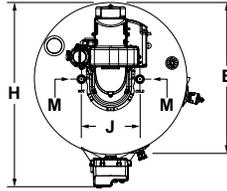
Uniform Energy Factor and First Hour Rating are based on the latest AHRI directory listings.

Spec 1114. For additional documentation visit: [www.bradfordwhite.com/documentation](http://www.bradfordwhite.com/documentation)



# Residential Gas Ultra Low NOx TTW® Power Vent Models

- ENERGY STAR® Qualified—Some models
- Ultra Low NOx Burner with Primary and Secondary Air Distribution Devices
- Bradford White ICON System®
  - Enhanced Performance
  - Advanced Temperature Control System
  - Intelligent Diagnostics
  - Separate Immersed Thermowell
- Eco-Defender Safety System® featuring the patented advanced ScreenLok® Technology flame arrester design (except models above 75,000 BTU/Hr.)
  - Digital Thermal Sensor and Resettable Thermal Switch
  - Maintenance-Free
  - Sight Window
  - Pedestal Base
- Powerful Blower Motor
  - Exclusively featuring the AquaVENT MAX™ from Fasco™ the quietest blower motor in the industry (40,000 BTU/Hr. Models)
  - 8.5 ft. Power Cord Included (120 VAC)
- Hydrojet® Total Performance System
- Vitraglas® Lining
- Non-CFC Foam Insulation
- Water Connections
- Heat Traps
- Protective Magnesium Anode Rod
- T&P Relief Valve
- Low Restrictive Brass Drain Valve
- All Models Comply with the Latest Ultra Low NOx Requirement (10 ng/J NOx limit) except URG2PV75H6N (14 ng/J NOx limit)



URG1PV40S6N

Spec 1255. For additional documentation visit: [www.bradfordwhite.com/documentation](http://www.bradfordwhite.com/documentation)

## Ultra Low NOx TTW® Power Vent Models

Meet or exceed ASHRAE 90.1b (current standard) C.E.C. Listed  
80% Recovery Efficiency

DIMENSIONS IN INCHES

Model Number	Nominal Gal. Capacity		DOE Rated Storage Volume (Gal.)	BTU/Hr. Input	First Hour Rating (Gal.)	Uniform Energy Factor	Recovery at 90°F Rise*		Vent Pipe Options							
	U.S. Gal.	Imp. Gal.					U.S. GPH	Imp. GPH	2" Vent Pipe	3" Vent Pipe	3" Vent Pipe	4" Vent Pipe				
★ URG1PV40S6N	40	33	38	40,000	75	0.68	43	36	Max. Equivalent Length	†50 ft.	†120 ft.	Max. Equivalent Length	†50 ft.**	†180 ft.**		
★ URG1PV50S6N	50	42	48	40,000	78	0.69	43	36	Min. Equivalent Length	7 ft.	15 ft.	Min. Equivalent Length	7 ft.	15 ft.		
★ URG2PV40T6N	40	33	38	40,000	78	0.72	43	36	Number	1	45 ft.	115 ft.	Number	1	45 ft.	175 ft.
★ URG2PV50T6N	50	42	48	40,000	75	0.72	43	36	of	2	40 ft.	110 ft.	of	2	40 ft.	170 ft.
★ URG2PV50H6N	48	40	46	56,000	107	0.68	60	50	90° Elbows	3	35 ft.	105 ft.	90° Elbows	3	35 ft.	165 ft.
URG2PV75H6N	75	62	72	76,000	121	0.69	82	68	† Subtract 5 ft. for each additional 90° elbow. ‡ For high altitude installations, consult the installation instructions. **URG2PV75H6N maximum 3" vent is 50 ft.							

Model Number	A Floor to Top of Blower in.	B Jacket Dia. in.	C Vent Size in.	D Floor to T&P Conn. in.	E Floor to Gas Conn. in.	F Floor to Top of Heater in.	G Floor to Water Conn. in.	H Depth in.	J C/L of Water Conn. in.	K Floor to Space Heating Inlet in.	L Floor to Space Heating Outlet in.	M Water Conn. NPT in.	R Space Heating Conn. Size in.	S Gas Conn. Size in.	Approx. Shipping Weight lbs.
★ URG1PV40S6N	55 7/16	20	2 or 3	40 1/8	11 1/2	47 3/16	48 15/16	26 3/16	8	N/A	N/A	3/4	N/A	1/2	144
★ URG1PV50S6N	56 7/16	22	2 or 3	40 9/8	11 1/2	48 3/16	49 3/4	27 1/4	8	N/A	N/A	3/4	N/A	1/2	169
★ URG2PV40T6N	65	20	2 or 3	49 11/16	11 1/2	56 3/4	57 13/16	26	8	N/A	N/A	3/4	N/A	1/2	151
★ URG2PV50T6N	65	22	2 or 3	49 7/8	11 1/2	56 3/4	58 5/8	27 3/16	8	N/A	N/A	3/4	N/A	1/2	176
★ URG2PV50H6N	66 1/2	22	3 or 4	49 7/8	11 1/2	56 3/4	57 7/8	26 7/8	11	13 1/2	50 1/8	3/4	3/4	1/2	192
URG2PV75H6N	69 7/16	26	3 or 4	51 7/8	11 1/2	59 5/8	61 1/8	30 11/16	11	13 3/8	51 1/2	3/4	3/4	1/2	270

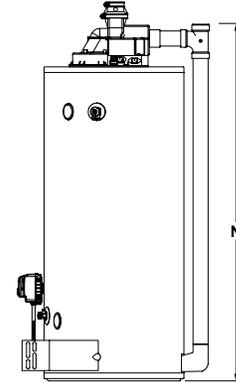
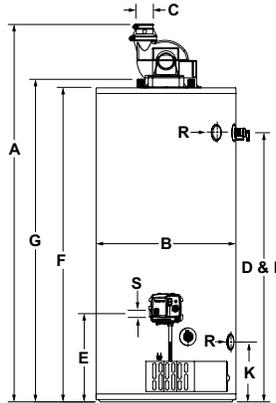
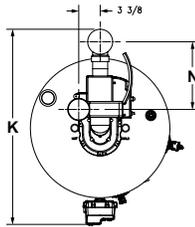
Available in Natural Gas only. For 10 year models, change suffix from "6" to "10".  
 \* Based on manufacturer's rated recovery efficiency.  
 110 VAC Required for Power Venting / 110 VAC, 60Hz., 3.1 Amperes.  
 Uniform Energy Factor and First Hour Rating are based on the latest AHRI directory listings.  
 ★ = ENERGY STAR® Qualified.





# Residential Gas Ultra Low NOx Power Direct Vent Models

- ENERGY STAR® Qualified
- Ultra Low NOx Burner with Primary and Secondary Air Distribution Devices
- Eco-Defender Safety System®
  - Maintenance-Free
  - Sight Window
  - Pedestal Base
- Closed Combustion Venting System
- Bradford White ICON System®
  - Enhanced Performance
  - Advanced Temperature Control System
  - Intelligent Diagnostics
  - Separate Immersed Thermowell
- Cast Aluminum Air Intake Boot
- Hydrojet® Total Performance System
- Vitraglas® Lining
- Powerful Blower Model
  - 10 ft. Power Cord Included (120 VAC)
- Optional Concentric Vent Kit Termination
- Horizontal and Vertical Venting
- 2" Non-CFC Foam Insulation
- Water Connections— 3/4" NPT
- 3/4" NPT Side Connections— (URG2PDV50H6N only)
- Heat Traps
- Protective Magnesium Anode Rod
- T&P Relief Valve
- Low Restrictive Brass Drain Valve
- Complies with the Latest Ultra Low NOx Requirement (10 ng/J NOx limit)



URG2PDV50H6N

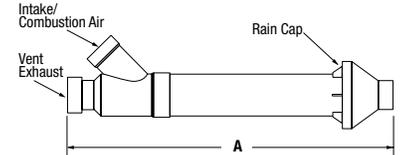
## Ultra Low NOx Power Direct Vent Models

Meet or exceed ASHRAE 90.1b (current standard) C.E.C. Listed  
78% Recovery Efficiency

DIMENSIONS IN INCHES

Model Number	Nominal Gal. Capacity		DOE Rated Storage Volume (Gal.)	Input BTU/Hr.	First Hour Rating (Gal.)	Uniform Energy Factor	Recovery at 90°F Rise*	
	U.S. Gal.	Imp. Gal.					U.S. GPH	Imp. GPH
★ URG2PDV40S6N	40	33	38	40,000	75	0.70	43	36
★ URG2PDV50S6N	50	42	48	40,000	80	0.68	43	36
★ URG2PDV50H6N	48	40	46	50,000	82	0.68	64	45

Concentric Vent Kit Termination	
2" Kit	A (in.)
P/N 239-44069-02	29 1/4
3" Kit	A (in.)
P/N 239-44069-01	36 1/4



Model Number	A Floor to Exhaust Conn. in.	B Jacket Dia. in.	C Vent Size in.	D Floor to T&P Conn. in.	E Floor to Gas Conn. in.	F Floor to Top of Heater in.	G Floor to Water Conn. in.	H Depth in.	J C/L of Water Conn. in.	K Floor to Space Heating Inlet in.	L Floor to Space Heating Outlet in.	M Water Conn. NPT in.	N Floor to Air Intake in.	P C/L Distance from Intake to Exhaust in.	R Space Heating Conn. Size in.	S Gas Conn. Size in.	Approx. Shipping Weight lbs.
★ URG2PDV40S6N	59 7/8	22	2 or 3	42 9/16	13 15/16	49 9/16	50 15/16	32 5/16	8	N/A	N/A	3/4	59 7/16	10 1/2	3/4	1/2	170
★ URG2PDV50S6N	60 7/8	24	2 or 3	43 1/16	13 15/16	50 9/16	52	34 5/16	8	N/A	N/A	3/4	60 7/16	11 1/2	3/4	1/2	196
★ URG2PDV50H6N	69 1/16	22	3 or 4	52 5/16	13 15/16	59 9/16	50 3/16	30 7/16	11	13 13/16	52 5/16	3/4	69 3/16	8 7/8	3/4	1/2	208

Available in Natural Gas only. For 10 year model, change suffix "6" to "10".

\* Based on manufacturer's rated recovery efficiency.  
110 VAC Required for Power Venting / 110 VAC, 60Hz., 3.1 Amperes.  
Uniform Energy Factor and First Hour Rating are based on the latest AHRI directory listings.

★ = ENERGY STAR® Qualified.

2" Vent Pipe	URG2PDV40S6N URG2PDV50S6N	3" Vent Pipe	URG2PDV40S6N URG2PDV50S6N	URG2PDV50H6N	4" Vent Pipe	URG2PDV50H6N
Max. Intake Length	35 ft.	Max. Intake Length	85 ft.	60 ft.	Max. Intake Length	100 ft.
Max. Exhaust Length	35 ft.	Max. Exhaust Length	85 ft.	60 ft.	Max. Exhaust Length	100 ft.
Min. Vent Length	7 ft.	Min. Vent Length	7 ft.	7 ft.	Min. Vent Length	7 ft.
Number of 90° Elbows	1 30 ft. 2 25 ft. 3 20 ft.	Number of 90° Elbows	1 80 ft. 2 75 ft. 3 70 ft.	55 ft. 50 ft. 45 ft.	Number of 90° Elbows	1 95 ft. 2 90 ft. 3 85 ft.

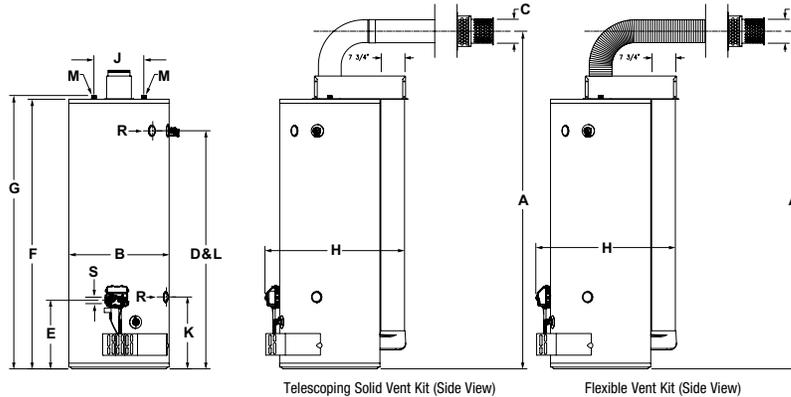
Subtract 5 ft. for each additional 90° elbow.

Spec 1128. For additional documentation visit: [www.bradfordwhite.com/documentation](http://www.bradfordwhite.com/documentation)



## Residential Gas Ultra Low NOx Direct Vent Models

- Bradford White ICON System®
  - Enhanced Performance
  - Advanced Temperature Control System
  - Intelligent Diagnostics
  - Separate Immersed Thermowell
- Eco-Defender Safety System®
  - Resettable Thermal Switch
  - Maintenance-Free
  - Sight Window
  - Pedestal Base
- Ultra Low NOx Burner with Primary and Secondary Air Distribution Devices
- Closed Combustion
- Reinforced Seals
- Hydrojet® Total Performance System
- Vitraglas® Lining
- Cast Aluminum Air Intake Boot
- Telescoping Solid Vent Kits
- Flexible Vent Kit
- Side Connections—3/4" NPT (URG2DV50H6N only)
- 2" Non-CFC Foam Insulation
- Water Connections—3/4" NPT
- Heat Traps
- Protective Magnesium Anode Rod
- T&P Relief Valve
- Low Restrictive Brass Drain Valve
- Design Certified by CSA International (formerly AGA and CGA).
- Complies with the Latest Ultra Low NOx Requirement (10 ng/J NOx limit)



URG2DV50H6N

Spec 1122. For additional documentation visit: [www.bradfordwhite.com/documentation](http://www.bradfordwhite.com/documentation)

### Ultra Low NOx Direct Vent Models

Meet or exceed ASHRAE 90.1b (current standard) C.E.C. Listed  
78% Recovery Efficiency

DIMENSIONS IN INCHES

Model Number	Nominal Gal. Capacity		DOE Rated Storage Volume (Gal.)	Input BTU/Hr.	First Hour Rating (Gal.)	Uniform Energy Factor	Recovery at 90°F Rise*	
	U.S. Gal.	Imp. Gal.					U.S. GPH	Imp. GPH
URG2DV40S6N	40	33	38	38,000	62	0.60	41	34
URG2DV50S6N	50	42	47	38,000	78	0.63	41	34
URG2DV50H6N	48	40	46	45,000	83	0.64	46	38

Available in Natural Gas only. For 10 year models, change suffix from "6" to "10".

\* Based on manufacturer's rated recovery efficiency.

Uniform Energy Factor and First Hour Rating are based on the latest AHRI directory listings.

Model Number	A Floor to C/L of Vent in.	B Jacket Dia. in.	C Vent Size in. ID / OD	D Floor to T&P Conn. in.	E Floor to Gas Conn. in.	F Floor to Top of Heater in.	G Floor to Water Conn. in.	H Depth in.	J C/L of Water Conn. in.	K Floor to Space Heating Inlet in.	L Floor to Space Heating Outlet in.	M Water Conn. NPT in.	R Space Heating Conn. Size in.	S Gas Conn. Size in.	Approx. Shipping Weight lbs.
URG2DV40S6N	63 1/2	22	3 5	43 7/16	15 1/8	50 5/16	51 3/4	31 3/8	8	N/A	N/A	3/4	N/A	1/2	198
URG2DV50S6N	72 1/2	22	3 5	52 5/16	15 1/8	59 5/16	60 11/16	31 1/2	8	N/A	N/A	3/4	N/A	1/2	221
URG2DV50H6N	74 1/4	22	4 6	52 5/16	15 1/8	59 5/16	60 3/16	31 5/8	11	15 13/16	52 5/16	3/4	3/4	1/2	240

URG2DV40S6N / URG2DV50S6N Solid Vent Kit: Part No. 239-51283-00.

URG2DV40S6N / URG2DV50S6N Flexible Vent Kit: Part No. 239-51284-00.

URG2DV50H6N Solid Vent Kit: Part No. 239-51286-00.

URG2DV50H6N Flexible Vent Kit: Part No. 239-51287-00.

Kits can be ordered and shipped with water heater, or ordered and shipped separately. For vent kit components and venting instructions, refer to Installation and Operation Manual.

URG2DV40S6N / URG2DV50S6N Optional Telescoping Solid Vent Kits:

Kit "A" Telescopes from 4 3/8" to 5 1/4" Part No. 239-41260-00

Kit "B" Telescopes from 6 1/2" to 9" Part No. 239-41331-00

Kit "C" Telescopes from 13 3/8" to 23 1/8" Part No. 239-41029-00

Kit "D" Telescopes from 49 3/8" to 95 3/8" Part No. 239-41424-00

URG2DV50H6N Optional Telescoping Solid Vent Kits:

Kit "F" Telescopes from 4 3/8" to 5 1/4" Part No. 239-42516-00

Kit "G" Telescopes from 6 1/2" to 9" Part No. 239-42517-00

Kit "H" Telescopes from 13 3/8" to 23 1/8" Part No. 239-42514-00

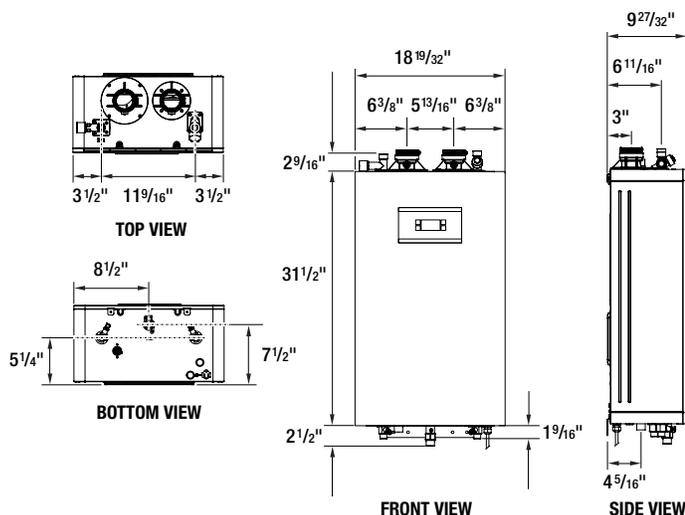
Kit "I" Telescopes from 49 3/8" to 95 3/8" Part No. 239-42512-00



## Residential Gas Infiniti® K Series Tankless Indoor Models

42/43

- ENERGY STAR® Qualified
- Featuring the SRT™ Scale Reduction Technology
- STEADISET® Technology
- Built-In Digital Control
- Active Bypass
- Intelligent Cascading Kit (Optional)\*
- Modulation—Segmented burner with 22:1 turn down ratio
- Self-Calibrating Fan and Gas Valve
- External Recirculation Pump Wiring—Installed
- Venting Flexibility
- Gas Connection Flexibility—1/2", 3/4", or 1"
- Top Water Connections
- Inlet Water Filter—External access for easy maintenance
- Space Saving Installation
- Built-In Freeze Protection
- Easy LP Gas Field Convertibility—Purchase of additional kit NOT required to convert from NG to LP
- Pressure Relief Valve—Included (Integral port)
- Built In Flush Valves
- Flushing Condensate Trap
- Complies with the Latest Ultra-Low NOx Requirement (10 ng/J NOx limit)



RTG-K-160-N1

## Infiniti® K Series Tankless Indoor Models

DIMENSIONS IN INCHES

NATURAL GAS AND LIQUID PROPANE GAS MODELS

Model Number	Input (BTU/Hr.)		Vent Conn. in.	GPM Flow Rate at °F Temperature Rise			Uniform Energy Factor Nat. and LP	Minimum Water Flow GPM	Maximum Temperature Setting	Approx. Shipping Weight lbs.
	Nat.	LP		45°F	75°F	90°F				
★ RTG-K-160-N1	9,000 - 160,000	17,000 - 160,000	2	7.0	4.2	3.5	0.92	0.45	140°F	79
★ RTG-K-199-N1	9,000 - 199,000	17,000 - 199,000	2	8.7	5.2	4.4	0.96	0.45	140°F	79

Propane (LP) Models are not available for order from the factory.  
All Natural Gas products shipped can be converted to Propane (LP) without the purchase of an additional kit.  
Requires an electrical power supply from a 120VAC 60Hz., properly rated receptacle and must be properly grounded. Power supply cord provided.

★ = ENERGY STAR® Qualified. 

### Intelligent Cascading Kit:

\* Any indoor Infiniti® K-Series tankless water heater purchased with the serial number "TEB0008188" and after, will have cascading technology available.  
Up to 24 units can be connected together with ease.  
Part Number 7736502750 (One for each additional water heater).

Optional Condensate Neutralizer Kit: Part Number A2123601.

2" Venting	Maximum allowable exhaust vent length	Maximum allowable intake vent length	Combined maximum allowable vent	3" Venting	Maximum allowable exhaust vent length	Maximum allowable intake vent length	Combined maximum allowable vent
Twin pipe	60 ft.	60 ft.	120 ft.	Twin pipe	280 ft.	280 ft.	560 ft.

Get additional product information, technical documentation, training videos and more at our exclusive site for the professional.



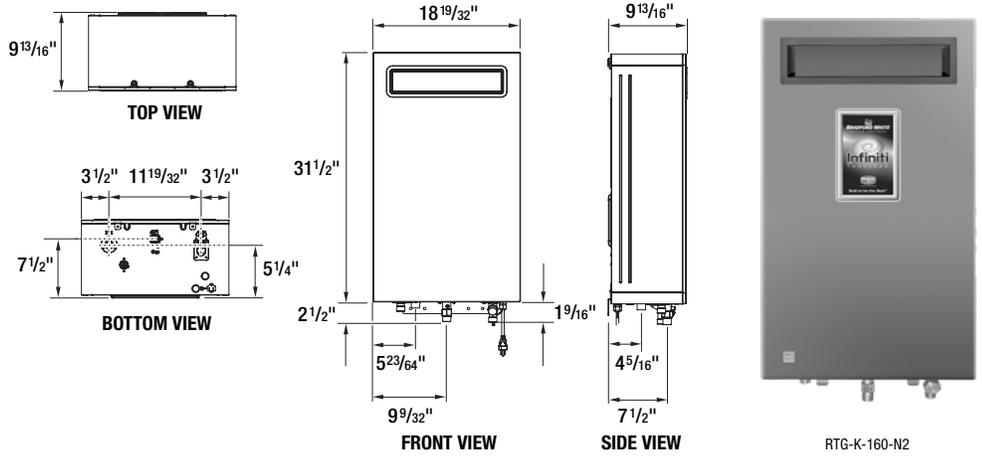
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Spec 1152. For additional documentation visit: [www.bradfordwhite.com/documentation](http://www.bradfordwhite.com/documentation)



## Residential Gas Infiniti® K Series Tankless Outdoor Models

- ENERGY STAR® Qualified
- Featuring the SRT™ Scale Reduction Technology
- STEADISET® Technology
- Built-In Digital Control
- Active Bypass
- Intelligent Cascading Kit (Optional)
- Modulation—Segmented burner with 22:1 turn down ratio
- Self-Calibrating Fan and Gas Valve
- External Recirculation Pump Wiring—Installed
- Gas Connection Flexibility—1/2", 3/4", or 1"
- Inlet Water Filter—External access for easy maintenance
- Space Saving Installation
- Built-In Freeze Protection
- Heat Exchanger—Primary Copper with Secondary Stainless Steel helps maximize life and minimize scale build-up
- Built In Flush Valves
- Flushing Condensate Trap
- Complies with the Latest Ultra-Low NOx Requirement (10 ng/J NOx limit)



## Infiniti® K Series Tankless Outdoor Models

DIMENSIONS IN INCHES

NATURAL GAS MODELS

Model Number	Input (BTU/Hr.)	GPM Flow Rate at °F Temperature Rise			Uniform Energy Factor	Minimum Water Flow GPM	Maximum Temperature Setting	Approx. Shipping Weight lbs.
		45°F	75°F	90°F				
★ RTG-K-160-N2	9,000 - 160,000	7.0	4.2	3.5	0.92	0.45	140°F	79
★ RTG-K-199-N2	9,000 - 199,000	8.7	5.2	4.4	0.96	0.45	140°F	79

Available in Natural Gas only.

Requires an electrical power supply from a 120VAC 60Hz., properly rated receptacle and must be properly grounded. Power supply cord provided.

★ = ENERGY STAR® Qualified. 

**Intelligent Cascading Kit:**

Up to 24 units can be connected together with ease.

Part Number 7736502750 (One for each additional water heater).

Optional Condensate Neutralizer Kit: Part Number A2123601.

Get additional product information, technical documentation, training videos and more at our exclusive site for the professional.



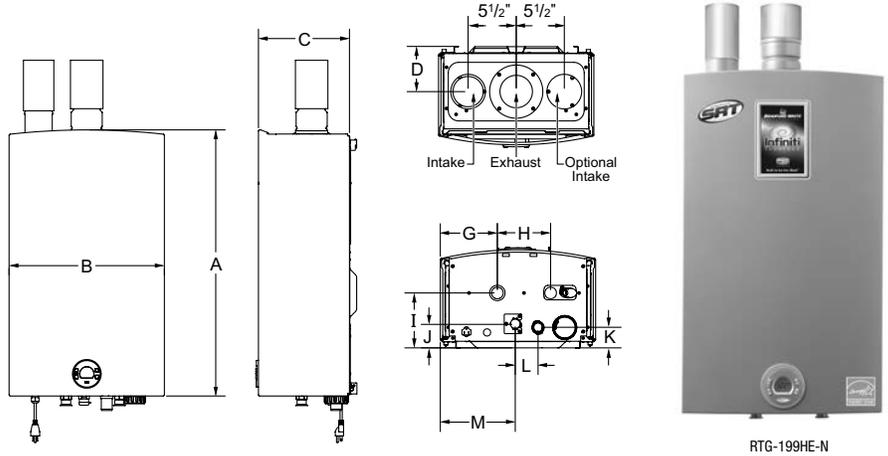
Spec 1153. For additional documentation visit: [www.bradfordwhite.com/documentation](http://www.bradfordwhite.com/documentation)



## Residential Gas Infiniti Tankless® High Efficiency Model

46/47

- ENERGY STAR® Qualified
- Featuring the SRT™ Scale Reduction Technology
  - Vertical Modulating Burner Design
  - Dual Fan Configuration
  - Internal Turbulators
  - Dual Heat Exchanger
- Built-In Digital Control
- Active Bypass
- Intelligent Cascading Kit (Optional)
- Venting Flexibility
- Gas Connection Flexibility—1/2", 3/4", or 1"
- Inlet Water Filter
- Space Saving Installation
- Built-In Freeze Protection
- Interior and Exterior Installation Capability
- Complies with the Latest Ultra-Low NOx Requirement (10 ng/J NOx limit)
- High Temperature Kit- max set point 184°F (optional)



RTG-199HE-N

## Infiniti Tankless® High Efficiency Model

DIMENSIONS IN INCHES

NATURAL GAS AND LIQUID PROPANE GAS MODELS

Model Number	Installation	Nat. BTU/Hr. Input	LP BTU/Hr. Input	Vent Conn. in.	GPM Flow Rate at °F Temperature Rise			Uniform Energy Factor Nat. and LP	Minimum Water Flow GPM	Maximum Temperature Setting
					45°F	75°F	90°F			
★ RTG-199HE-N	Indoor / Outdoor*	19,900-199,000	19,900-199,000	3	8.3	5.0	4.2	0.92	0.5	140°F

Model Number	A Height in.	B Width in.	C Depth in.	D Intake/Exhaust Center Line in.	G Hot Water Outlet in.	H Cold Water Inlet in.	I Hot Water Outlet in.	J Gas Conn. in.	K Condensate Tee in.	L Condensate Tee in.	M Gas Conn. in.	Approx. Shipping Weight lbs.
★ RTG-199HE-N	30 9/16	17 13/16	10 7/16	5 3/16	6 9/16	6 1/8	6 5/16	2 11/16	2 3/8	2 5/8	7 1/2	74

For Propane (LP) Models change suffix "N" to "X".

Requires an electrical power supply from a 120 VAC 60Hz., properly rated receptacle and must be properly grounded. Power supply cord provided.

Uniform Energy Factor is based on the latest AHRI directory listings.

\* Outdoor installation requires optional outdoor kit.

★ = ENERGY STAR® Qualified.



### Intelligent Cascading Kit:

Up to 24 units can be connected together with ease.

Part No. 7736502750 (One for each additional water heater).

Vent Requirements	2" Venting		3" Venting		4" Venting	
	Twin Pipe	Concentric	Twin Pipe	Concentric	Twin Pipe	Concentric
Max. Allowable Exhaust Vent Length	9.5 ft.	23.0 ft.	31.0 ft.	23.0 ft.	63.0 ft.	43.0 ft.
Max. Allowable Intake Vent Length	9.5 ft.	23.0 ft.	31.0 ft.	23.0 ft.	63.0 ft.	43.0 ft.
Combined Max. Allowable Vent	19.0 ft.	46.0 ft.	62.0 ft.	46.0 ft.	126.0 ft.	86.0 ft.
Elbow Equivalency 90°	5.0 ft.					
Elbow Equivalency 45°	2.5 ft.					
Max. Number of 90° Elbows	1	1	5	4	7	7

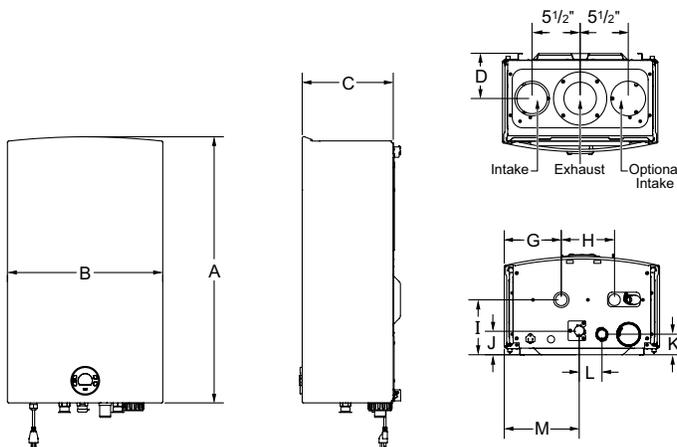
Spec 151. For additional documentation visit: [www.bradfordwhite.com/documentation](http://www.bradfordwhite.com/documentation)



## Residential Gas Infiniti Tankless® Mid Efficiency Model

48/49

- Featuring the SRT™ Scale Reduction Technology
  - Vertical Modulating Burner Design
  - Dual Fan Configuration
  - Internal Turbulators
  - Dual Heat Exchanger
- Built-In Digital Control
- Intelligent Cascading Kit (Optional)
- Gas Connection Flexibility—1/2", 3/4", or 1"
- Inlet Water Filter
- Space Saving Installation
- Built-In Freeze Protection
- Interior and Exterior Installation Capability
- Complies with the Latest Ultra-Low NOx Requirement (10 ng/J NOx limit)
- High Temperature Kit- max set point 184°F (optional)



RTG-199ME-N

page 48

## Infiniti Tankless® Mid Efficiency Model

DIMENSIONS IN INCHES

NATURAL GAS AND LIQUID PROPANE GAS MODELS

Model Number	Installation	Nat. BTU/Hr. Input	LP BTU/Hr. Input	Vent Conn. in.	GPM Flow Rate at °F Temperature Rise			Uniform Energy Factor Nat. and LP	Minimum Water Flow GPM	Maximum Temperature Setting
					45°F	75°F	90°F			
RTG-199ME-N	Indoor / Outdoor*	19,900-199,000	19,900-199,000	3	7.3	4.4	3.7	0.82	0.5	140°F

Model Number	A Height in.	B Width in.	C Depth in.	D Intake/Exhaust Center Line in.	G Hot Water Outlet in.	H Cold Water Inlet in.	I Hot Water Outlet in.	J Gas Conn. in.	K Condensate Tee in.	L Condensate Tee in.	M Gas Conn. in.	Approx. Shipping Weight lbs.
RTG-199ME-N	30 <sup>9</sup> / <sub>16</sub>	17 <sup>13</sup> / <sub>16</sub>	10 <sup>7</sup> / <sub>16</sub>	5 <sup>3</sup> / <sub>16</sub>	6 <sup>9</sup> / <sub>16</sub>	6 <sup>1</sup> / <sub>8</sub>	6 <sup>5</sup> / <sub>16</sub>	2 <sup>11</sup> / <sub>16</sub>	2 <sup>3</sup> / <sub>8</sub>	2 <sup>5</sup> / <sub>8</sub>	7 <sup>1</sup> / <sub>2</sub>	67

For Propane (LP) Models change suffix "N" to "X".

Requires an electrical power supply from a 120 VAC 60Hz., properly rated receptacle and must be properly grounded.

Power supply cord provided.

Uniform Energy Factor is based on the latest AHRI directory listings.

\* Outdoor installation requires optional outdoor kit.

### Intelligent Cascading Kit:

Up to 24 units can be connected together with ease.

Part No. 7736502750 (One for each additional water heater).

Vent Requirements	3" Venting	4" Venting
Max. Allowable Exhaust Vent Length	28.5 ft.	61.25 ft.
Max. Allowable Intake Vent Length	28.5 ft.	61.25 ft.
Combined Max. Allowable Vent	57.0 ft.	122.5 ft.
Elbow Equivalency 90°	5.0 ft.	5.0 ft.
Elbow Equivalency 45°	2.5 ft.	2.5 ft.
Max. Number of 90° Elbows	5	7

Spec 150. For additional documentation visit: [www.bradfordwhite.com/documentation](http://www.bradfordwhite.com/documentation)

page 49



# Residential Electric Energy Saver Water Heaters

### General Information

#### Specify voltage and wattage when ordering.

All models are ETL listed. All water connections are 3/4" NPT true dielectric fittings. All electrical connections are 3/4". All models are certified at 300 psi test pressure and 150 psi working pressure. All models come equipped with two installed heat traps (except Utility, Wall Hung models, and RE120L).

**Note:** The **Upright** and **Lowboy** heaters will be wired single phase interlocking (non-simultaneous) 240 volt with 4500 watt elements, unless otherwise specified. Other wattages are available up to 6000 watts (208, 240, 277 and 480 volt). (Reference chart on following page for non-simultaneous and simultaneous limitations). 4500 watt/240 volt elements require a 25 amp or 30 amp circuit breaker. For 120 volt (non-simultaneous), all models have a maximum wattage of 3000. (120 and 277 volt can only be wired single phase.)

**Note:** The **Utility** and **Wall Hung** Heaters will be wired for 120 volt with a 1500 watt element. The 1500 watt/120 volt element requires a 20 amp breaker. Other wattages are available. Maximum wattage for 6 and 12 gallon tall utility models is 3000W. Maximum wattage for 10, 12 and 15 gallon utility models is 6000W. Maximum wattage for the 6 gallon wall hung model is 3000W. Maximum wattage for 12 and 20 gallon wall hung models is 6000W.

Watts	120V	208V	240V	277V	480V
1500	yes	yes	yes	no	no
2000	no	yes	yes	yes	yes
2500	no	yes	yes	no	no
3000	no	yes	yes	yes	yes
3500	no	yes	yes	no	no
4000	no	yes	yes	yes	yes
4500	no	yes	yes	yes	yes
5000	no	yes	yes	yes	yes
5500	no	yes	yes	yes	yes
6000	no	yes	yes	yes	yes

Phase	1	Single Phase
	3	Three Phase

EX: RE350S6-1NCWW

Operation	N	Non-simultaneous
	S	Simultaneous

EX: RE350S6-1NCWW

Designator	A	C	E	H	J	L*
Voltage	120	208/240	277	480	600	208

EX: RE350S6-1NCWW

\* Use "L" voltage designator if wiring 208V with 5000, 5500 or 6000 watt.

Wattage Limitations for Simultaneous Operation	Voltage				
	120V	208V	240V	277V	480V
1500W / 1500W	yes	yes	yes	yes	yes
2000W / 2000W	no	yes	yes	yes	yes
2500W / 2500W	no	yes	yes	yes	yes
3000W / 3000W	no	yes	yes	yes	yes
3500W / 3500W	no	yes	yes	no	no
4000W / 4000W	no	yes	yes	yes	yes
4500W / 4500W	no	yes	yes	yes	yes
5000W / 5000W	no	yes	yes	yes	yes
5500W / 5500W	no	no	yes	no	no
6000W / 6000W	no	no	no	yes	yes

Wattage Limitations for Non-Simultaneous Operation	Wattage Limitations for Single Element Operation	Voltage				
		120V	208V	240V	277V	480V
1500W / 1500W	1500W	yes	yes	yes	yes	yes
2000W / 2000W	2000W	yes	yes	yes	yes	yes
2500W / 2500W	2500W	yes	yes	yes	yes	yes
3000W / 3000W	3000W	yes	yes	yes	yes	yes
3500W / 3500W	3500W	no	yes	yes	no	no
4000W / 4000W	4000W	no	yes	yes	yes	yes
4500W / 4500W	4500W	no	yes	yes	yes	yes
5000W / 5000W	5000W	no	yes	yes	yes	yes
5500W / 5500W	5500W	no	yes	yes	yes**	yes**
6000W / 6000W	6000W	no	yes	yes	yes	yes

\*\* INCOLOY® element only.

#### For 120V, 277V, 480V, and 600V operation

Designator	J	K	L*	M	N	P	R	S	T	W	X	Y	Z
Watt	1000	1250	1500	2000	2500	3000	3500	3800	4000	4500	5000	5500	6000

EX: RE350S6-1NCWW

\* Use "L" voltage designator if wiring 208V with 2500W or 3000W on RE16U, RE112T, & RE16WV models.

All 120V and 277V models are shipped standard single phase. Three phase not available.

#### For 240V and 208V operation (Dual rated elements show a value for both 240V and 208V)

Designator	J	K	L	M	N	P	R	S	T	W	X	Y	W**	X**
240V Wattage	1000	1250	1500	2000	2500	3000	3500	3800	4000	4500	5000	5500	6000	—
208V Wattage	—	—	1000	1500	2000	—	2500	—	3000	3500	—	4000	4500	5000

EX: RE350S6-1NCWW, will give 240V with 4500W/4500W. This same heater can also be energized at 208V with reduced wattage of 3500W/3500W.

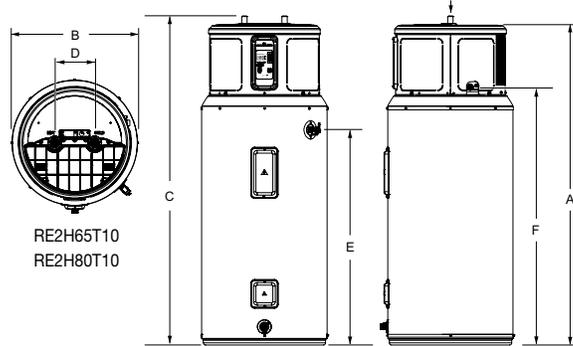
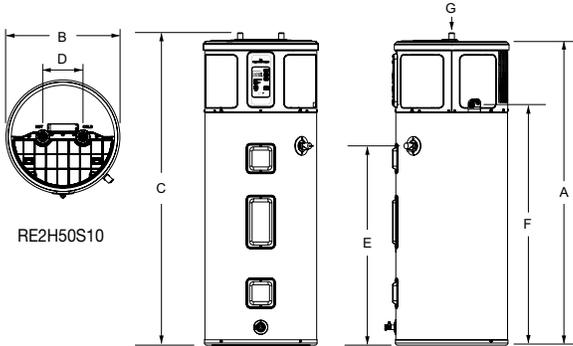
\*\* Use "L" voltage designator if wiring 208V with 5000W 5500W or 6000W.



## Residential Electric AeroTherm® Series Heat Pump Models

52/53

- ENERGY STAR® Qualified
- The AeroTherm® Series Control Panel
  - User-Friendly, Easy-to-Read Display
  - LED's Clearly Indicate the Current Operating Mode
  - Display Communicates Current Status, Mode and Set Point, and Displays Error Messages when Applicable
- Operating Modes Offer Flexibility
  - Heat Pump (Only) Mode
  - Hybrid Mode
  - Electric (Only) Mode
  - Vacation Mode
- Quiet Operation
- Can Be Laid Down for Easier Transportation
- Easily Accessible Top Mounted Washable Air Filter
- Operating Air Temperature Range of 35-120°F for the Heat Pump
- Backup Electric Heating Elements
- Direct Heat Transfer with Immersed Elements
- 2" Non-CFC Foam Insulation
- Water Connections—3/4" NPT
- Protective Magnesium Alloy Anode Rod
- T&P Relief Valve
- Low Restrictive Brass Drain Valve
- Northern Climate Tier 3 Capable
- Optional Ducting Kit



RE2H50S10

## AeroTherm® Series Heat Pump Models

DIMENSIONS IN INCHES

C.E.C. Listed

Model Number	Nominal Gal. Capacity		DOE Rated Storage Volume (Gal.)	First Hour Delivery Rating (Gal.)	Uniform Energy Factor	Recovery at 90°F Rise*		A Floor to Top of Heater in.	B Jacket Dia. in.	C Floor to Water Conn. in.	D C/L of Water Conn. in.	E Floor to T&P Conn. in.	F Floor to Condensate Conn. in.	G Water Conn. Size NPT in.	Approx. Shipping Weight lbs.
	U.S. Gal.	Imp. Gal.				U.S. GPH	Imp. GPH								
★RE2H50S10	50	42	45	65	3.39	21	18	59 3/16	21 3/4	60 3/4	8	38 7/8	46 13/16	3/4	195
★RE2H65T10	65	54	65	77	3.45	21	18	63 3/4	25	65 1/2	8	42 7/8	51 3/8	3/4	236
★RE2H80T10	80	67	75	87	3.48	21	18	70 13/16	25	73 1/2	8	50 3/8	58 11/16	3/4	259

\* Based on 4500/4000W, Non-Simultaneous Operation.

For 6 year models, change suffix from "10" to "6".

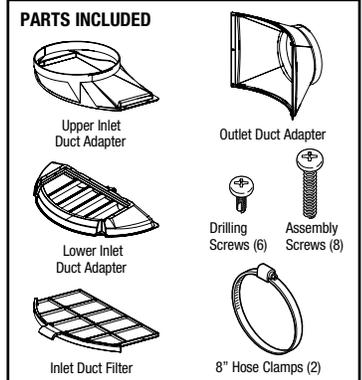
Uniform Energy Factor and First Hour Rating are based on the latest AHRI directory listings.

★ = ENERGY STAR® Qualified.



Optional Ducting Kit: Part No. 415-52820-00.

Kit installation also requires - 8" insulated flexible ducting, ducting support hangers and exterior wall vents for inlet & outlet. Additional clearances required for ducting, refer to ducting kit instructions.



Get additional product information, technical documentation, training videos and more at our exclusive site for the professional.

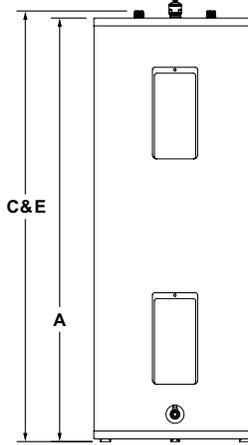
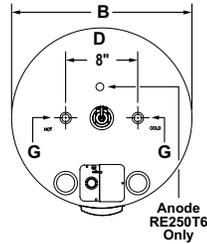


Spec 1900. For additional documentation visit: [www.bradfordwhite.com/documentation](http://www.bradfordwhite.com/documentation)

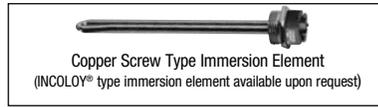


# Residential Electric Upright Models

- Fully Automatic Controls
- Direct Heat Transfer with Immersed Elements
- Hydrojet® Total Performance System
- Vitraglas® Lining
- Non-CFC Foam Insulation
- Water Connections—3/4" NPT
- Heat Traps
- Protective Magnesium Anode Rod
- Simultaneous and Non-Simultaneous Operation Available
- Voltages Available—120V, 208V, 240V, 277V, 480V
- Single Phase or Three Phase Operation Available— (120V & 277V Single Phase Only)
- T&P Relief Valve
- Design Evaluated by ETL in Accordance with Part 280.707(d) of HUD Mobile Home Construction and Safety Standards for Energy Efficiency
- Low Restrictive Brass Drain Valve



RE250S6



Copper Screw Type Immersion Element  
(INCOLOY® type immersion element available upon request)

## Upright Models

DIMENSIONS IN INCHES

C.E.C. Listed

Model Number	Nominal Gal. Capacity		DOE Rated Storage Volume (Gal.)	First Hour Rating (Gal.)	Uniform Energy Factor	Recovery at 90°F Rise*		A Floor to Top of Heater in.	B Jacket Dia. in.	C Floor to Water Conn. in.	D C/L of Water Conn. in.	E Floor to T&P Conn. in.	G Water Conn. NPT in.	Approx. Shipping Weight lbs.
	U.S. Gal.	Imp. Gal.				U.S. GPH	Imp. GPH							
RE330S6	30	25	27	43	0.92	21	18	46 <sup>11/16</sup>	20	48 <sup>15/16</sup>	8	48 <sup>15/16</sup>	3/4	100
RE240S6†	40	33	36	48	0.91	21	18	47 <sup>3/16</sup>	20	49 <sup>7/16</sup>	8	49 <sup>7/16</sup>	3/4	123
RE340S6	40	33	36	49	0.91	21	18	47 <sup>3/16</sup>	22	49 <sup>7/16</sup>	8	49 <sup>7/16</sup>	3/4	114
RE340T6	40	33	36	53	0.92	21	18	60 <sup>3/16</sup>	20	62 <sup>7/16</sup>	8	62 <sup>7/16</sup>	3/4	125
RE350S6	50	42	45	60	0.92	21	18	47 <sup>3/16</sup>	24	49 <sup>7/16</sup>	8	49 <sup>7/16</sup>	3/4	144
RE250S6†	50	42	45	60	0.92	21	18	47 <sup>3/16</sup>	22	49 <sup>7/16</sup>	8	49 <sup>7/16</sup>	3/4	143
RE250T6	50	42	45	64	0.92	21	18	59	20	60 <sup>1/4</sup>	8	60 <sup>1/4</sup>	3/4	130

† Models include supplied insulation blanket (2" thick). Dimensions in charts above do not include blanket thickness. For 10 year models, change suffix "6" to "10".

\* Based on 4500W/4500W, Non-Simultaneous operation. Uniform Energy Factor and First Hour Rating are based on the latest AHRI directory listings.

	Wattage Limitations for Simultaneous Operation					Wattage Limitations for Non-Simultaneous Operation					Recovery▲ GPH Temperature Rise °F					
	Voltage					Voltage					Wattage	Recovery				
	120V	208V	240V	277V	480V	120V	208V	240V	277V	480V		60	80	90	100	120
1500W / 1500W	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	1500W	10	8	7	6	5
2000W / 2000W	no	yes	yes	yes	yes	yes	yes	yes	yes	yes	2000W	14	10	9	8	7
2500W / 2500W	no	yes	yes	yes	yes	yes	yes	yes	yes	yes	2500W	17	13	11	10	9
3000W / 3000W	no	yes	yes	yes	yes	yes	yes	yes	yes	yes	3000W	21	15	14	12	10
3500W / 3500W	no	yes	yes	no	no	no	yes	yes	no	no	3500W	24	18	16	14	12
4000W / 4000W	no	yes	yes	yes	yes	no	yes	yes	yes	yes	4000W	28	21	18	16	14
4500W / 4500W	no	yes	yes	yes	yes	no	yes	yes	yes	yes	4500W	31	23	21	19	15
5000W / 5000W	no	yes	yes	yes	yes	no	yes	yes	yes	yes	5000W	34	26	23	21	17
5500W / 5500W	no	no	yes	no	no	no	yes	yes	no	no	5500W	38	29	25	23	19
6000W / 6000W	no	no	no	yes	yes	no	yes	yes	yes	yes	6000W	41	31	28	25	21

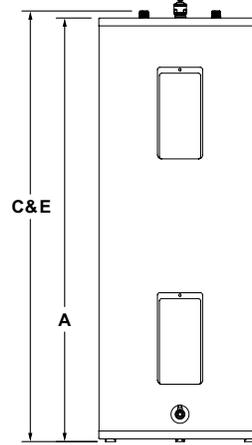
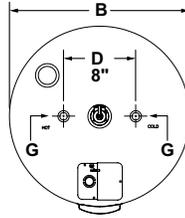
▲ (GPH based on Non-Simultaneous operation, when Simultaneous operation the GPH will approximately double.)

Spec 1201. For additional documentation visit: [www.bradfordwhite.com/documentation](http://www.bradfordwhite.com/documentation)

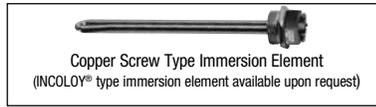


## Residential Electric Large Volume Models

- Fully Automatic Controls
- Direct Heat Transfer with Immersed Elements
- Hydrojet® Total Performance System
- Vitraglas® Lining
- Non-CFC Foam Insulation
- Water Connections—NPT Factory-Installed
- Heat Traps
- Protective Magnesium Anode Rod
- Simultaneous and Non-Simultaneous Operation Available
- Voltages Available—120V, 208V, 240V, 277V, 480V
- Single Phase or Three Phase Operation Available—  
(120V & 277V Single Phase Only)
- T&P Relief Valve
- Design Evaluated by ETL in Accordance with Part  
280.707(d) of HUD Mobile Home Construction and Safety  
Standards for Energy Efficiency
- Low Restrictive Brass Drain Valve



RE380T6



Copper Screw Type Immersion Element  
(INCOLOY® type immersion element available upon request)

## Large Volume Models

DIMENSIONS IN INCHES

C.E.C. Listed

Model Number	Nominal Gal. Capacity		DOE Rated Storage Volume (Gal.)	First Hour Rating (Gal.)	Uniform Energy Factor	Recovery at 90°F Rise*		A Floor to Top of Heater in.	B Jacket Dia. in.	C Floor to Water Conn. in.	D C/L of Water Conn. in.	E Floor to T&P Conn. in.	G Water Conn. NPT in.	Approx. Shipping Weight lbs.
	U.S. Gal.	Imp. Gal.				U.S. GPH	Imp. GPH							
RE380T6	79	66	73	76	0.92	21	18	60 1/8	26	61	8	61 1/2	3/4	202
RE3120T6	118	98	108	110	0.90	21	18	63	30 1/4	63 3/4	8	64 1/2	1	302

For 10 year models, change suffix "6" to "10".

\* Based on 4500W/4500W, Non-Simultaneous operation.

Uniform Energy Factor and First Hour Rating are based on the latest AHRI directory listings.

Get additional product information, technical documentation, training videos and more at our exclusive site for the professional.



	Wattage Limitations for Simultaneous Operation					Wattage Limitations for Non-Simultaneous Operation					Recovery▲ GPH Temperature Rise °F								
	Voltage					Voltage					Wattage	60				80	90	100	120
	120V	208V	240V	277V	480V	120V	208V	240V	277V	480V		60	80	90	100	120			
1500W / 1500W	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	1500W	10	8	7	6	5			
2000W / 2000W	no	yes	yes	yes	yes	yes	yes	yes	yes	yes	2000W	14	10	9	8	7			
2500W / 2500W	no	yes	yes	yes	yes	yes	yes	yes	yes	yes	2500W	17	13	11	10	9			
3000W / 3000W	no	yes	yes	yes	yes	yes	yes	yes	yes	yes	3000W	21	15	14	12	10			
3500W / 3500W	no	yes	yes	no	no	no	yes	yes	no	no	3500W	24	18	16	14	12			
4000W / 4000W	no	yes	yes	yes	yes	no	yes	yes	yes	yes	4000W	28	21	18	16	14			
4500W / 4500W	no	yes	yes	yes	yes	no	yes	yes	yes	yes	4500W	31	23	21	19	15			
5000W / 5000W	no	yes	yes	yes	yes	no	yes	yes	yes	yes	5000W	34	26	23	21	17			
5500W / 5500W	no	no	yes	no	no	no	yes	yes	no	no	5500W	38	29	25	23	19			
6000W / 6000W	no	no	no	yes	yes	no	yes	yes	yes	yes	6000W	41	31	28	25	21			

▲ (GPH based on Non-Simultaneous operation, when Simultaneous operation the GPH will approximately double.)

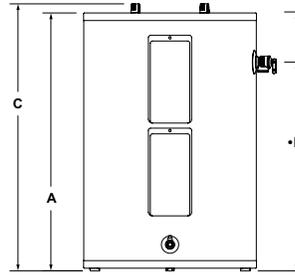
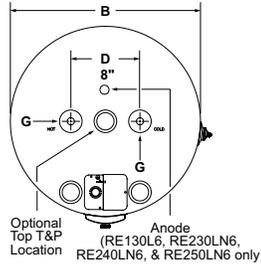
Spec 1202. For additional documentation visit: [www.bradfordwhite.com/documentation](http://www.bradfordwhite.com/documentation)



## Residential Electric Lowboy Models

- Models above 20-Gallon Meet or Exceed Efficiency Requirements
- Fully Automatic Controls
- Low Restrictive Brass Drain Valve
- Direct Heat Transfer with Immersed Elements
- Hydrojet® Total Performance System
- Vitraglas® Lining
- Non-CFC Foam Insulation
- Water Connections—3/4" NPT
- Heat Traps (except RE120L)
- Protective Magnesium Anode Rod
- Simultaneous and Non-Simultaneous Operation Available
- Voltages Available—120V, 208V, 240V, 277V, 480V
- Single Phase or Three Phase Operation Available—(120V & 277V Single Phase Only)

- T&P Relief Valve— Side T&P is standard. Optional top T&P location is available
- Design Evaluated by ETL in Accordance with Part 280.707(d) of HUD Mobile Home Construction and Safety Standards for Energy Efficiency



RE240LN6



## Lowboy Models

DIMENSIONS IN INCHES

C.E.C. Listed

Model Number	Nominal Gal. Capacity		DOE Rated Storage Volume (Gal.)	First Hour Rating (Gal.)	Uniform Energy Factor	Recovery at 90°F Rise*		A Floor to Top of Heater in.	B Jacket Dia. in.	C Floor to Water Conn. in.	D C/L of Water Conn. in.	E Floor to T&P Conn. in.	G Water Conn. NPT in.	Approx. Shipping Weight lbs.
	U.S. Gal.	Imp. Gal.				U.S. GPH*	Imp. GPH*							
RE120L6†	19	16	—	—	—	21	18	24 7/16	18	25 11/16	8	18 15/16 / 25 11/16	3/4	65
RE130L6**	28	23	26	42	0.92	21	18	29 9/16	20	31 5/16	8	23 9/16 / 31 5/16	3/4	99
RE230LN6	28	23	26	41	0.92	21	18	29 9/16	23	31 5/16	8	23 9/16 / 31 5/16	3/4	102
RE230L6**	28	23	26	42	0.92	21	18	29 9/16	22	31 13/16	8	22 13/16 / 31 13/16	3/4	108
RE240LN6	37	31	34	45	0.92	21	18	32 1/16	24 1/2	34 5/16	8	23 9/16 / 34 5/16	3/4	126
RE240L6**	38	32	35	49	0.91	21	18	32 3/8	24	34 5/8	8	23 9/16 / 34 5/8	3/4	140
RE250LN6	47	39	43	61	0.92	21	18	33 5/16	26	36 1/16	8	24 5/16 / 36 1/16	3/4	173

\*\* Models include supplied insulation blanket (2" thick). Dimensions in charts above do not include blanket thickness.

For 10 year models, change suffix "6" to "10".

\* Based on 4500W/4500W, Non-Simultaneous operation.

All models available with optional top T&P location (plugged).

† Exempt from ASHRAE 90.1b (current standard).

Uniform Energy Factor and First Hour Rating are based on the latest AHRI directory listings.

Wattage Limitations for Simultaneous Operation	Voltage					Wattage Limitations for Non-Simultaneous Operation	Voltage					Wattage	Recovery ▲ GPH Temperature Rise °F				
	120V	208V	240V	277V	480V		120V	208V	240V	277V	480V		60	80	90	100	120
1500W / 1500W	yes	yes	yes	yes	yes	1500W / 1500W	yes	yes	yes	yes	yes	1500W	10	8	7	6	5
2000W / 2000W	no	yes	yes	yes	yes	2000W / 2000W	yes	yes	yes	yes	yes	2000W	14	10	9	8	7
2500W / 2500W	no	yes	yes	yes	yes	2500W / 2500W	yes	yes	yes	yes	yes	2500W	17	13	11	10	9
3000W / 3000W	no	yes	yes	yes	yes	3000W / 3000W	yes	yes	yes	yes	yes	3000W	21	15	14	12	10
3500W / 3500W	no	yes	yes	no	no	3500W / 3500W	no	yes	yes	no	no	3500W	24	18	16	14	12
4000W / 4000W	no	•yes	yes	yes	yes	4000W / 4000W	no	•yes	yes	yes	yes	4000W	28	21	18	16	14
4500W / 4500W	no	yes	yes	•yes	•yes	4500W / 4500W	no	yes	yes	•yes	•yes	4500W	31	23	21	19	15
5000W / 5000W	no	•yes	yes	•yes	•yes	5000W / 5000W	no	•yes	yes	•yes	•yes	5000W	34	26	23	21	17
5500W / 5500W	no	no	•yes	no	no	5500W / 5500W	no	•yes	•yes	no	no	5500W	38	29	25	23	19
6000W / 6000W	no	no	no	•yes	•yes	6000W / 6000W	no	•yes	yes	•yes	•yes	6000W	41	31	28	25	21

• = Not available on RE130L and RE230LN6.

▲ (GPH based on Non-Simultaneous operation, when Simultaneous operation the GPH will approximately double.)

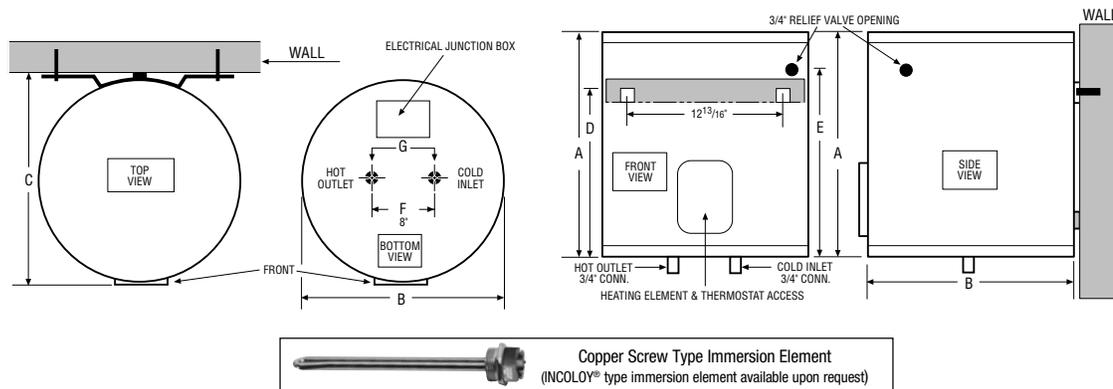
Spec 1203. For additional documentation visit: [www.bradfordwhite.com/documentation](http://www.bradfordwhite.com/documentation)



## Residential Electric Wall Hung Models

60/61

- Fully Automatic Controls
- Direct Heat Transfer With a Single Immersed Element
- Vitraglas® Lining
- 1" Non-CFC Foam Insulation
- Heavy Duty Wall Mounting Bracket
- Water Connections—3/4"
- Protective Magnesium Anode Rod
- Voltages Available—120V, 208V, 240V, 277V, 480V
- Single Phase Operation Only
- T&P Relief Valve



RE16UWV6

## Wall Hung Models

DIMENSIONS IN INCHES

Meet or exceed ASHRAE 90.1b (current standard) C.E.C. Listed

Model Number	Nominal Gal. Capacity		Recovery at 90°F Rise*		A Height of Heater in.	B Jacket Dia. in.	C Wall to Front in.	D Height to Bracket in.	E Height to T&P Conn. in.	F C/L of Water Conn. in.	G Water Conn. NPT in.	Approx. Shipping Weight lbs.
	U.S. Gal.	Imp. Gal.	U.S. GPH	Imp. GPH								
RE16WV6†	6	5	7	6	16 1/16	14	15 1/4	12	11 15/16	8	3/4	37
RE112WV6	12	10	7	6	16 7/16	18	19 1/4	12 3/8	12 7/8	8	3/4	54
RE120WV6	19	16	7	6	24 7/16	18	19 1/4	18 1/4	20 15/16	8	3/4	67

† Maximum wattage at any voltage is 3000W.  
For 10 year models, change suffix "6" to "10".  
Single element only.

\* Based on 1500W operation.

Wattage Limitations	Voltage				
	120V	208V	240V	277V	480V
1500W	yes	yes	yes	yes	yes
2000W	yes	yes	yes	yes	yes
2500W	yes	yes	yes	yes	yes
3000W	yes	yes	yes	yes	yes
3500W	no	yes	yes	no	no
4000W	no	yes	yes	yes	yes
4500W	no	yes	yes	yes	yes
5000W	no	yes	yes	yes	yes
5500W	no	yes	yes	no	no
6000W	no	yes	yes	yes	yes

Wattage	Recovery GPH Temperature Rise °F				
	60	80	90	100	120
1500W	10	8	7	6	5
2000W	14	10	9	8	7
2500W	17	13	11	10	9
3000W	21	15	14	12	10
3500W	24	18	16	14	12
4000W	28	21	18	16	14
4500W	31	23	21	19	15
5000W	34	26	23	21	17
5500W	38	29	25	23	19
6000W	41	31	28	25	21

Get additional product information, technical documentation, training videos and more at our exclusive site for the professional.

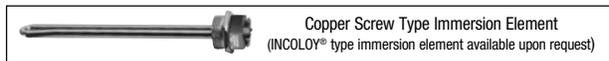
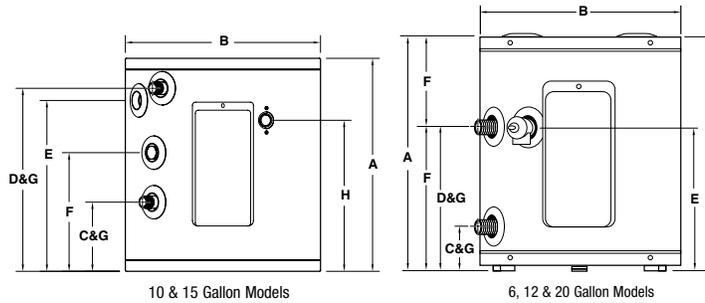


Spec 1216. For additional documentation visit: [www.bradfordwhite.com/documentation](http://www.bradfordwhite.com/documentation)



## Residential Electric Utility Models

- Fully Automatic Controls
- Direct Heat Transfer with a Single Immersed Element
- Vitraglas® Lining
- 1" Non-CFC Foam Insulation
- Water Connections—3/4" NPT
- Protective Magnesium Anode Rod
- Voltages Available—120V, 208V, 240V, 277V, 480V
- Single Phase Operation Only
- T&P Relief Valve
- Design Evaluated by ETL in Accordance with Part 280.707(d) of HUD Mobile Home Construction and Safety Standards for Energy Efficiency



RE112U6

## Utility Models

DIMENSIONS IN INCHES

C.E.C. Listed

Model Number	Nominal Gal. Capacity		Recovery at 90°F Rise*		A Floor to Heater Top in.	B Jacket Dia. in.	C Floor to Cold Water Conn. in.	D Floor to Hot Water Conn. in.	E Floor to T&P Conn. in.	F Floor to Anode Rod in.	G Water Conn. NPT in.	H Floor to Electrical Access in.	Approx. Shipping Weight lbs.
	U.S. Gal.	Imp. Gal.	U.S. GPH	Imp. GPH									
RE16U6†	6	5	7	6	16 <sup>3</sup> / <sub>16</sub>	14	2 <sup>3</sup> / <sub>4</sub>	9 <sup>3</sup> / <sub>4</sub>	9 <sup>3</sup> / <sub>4</sub>	N/A	3/4	16 <sup>3</sup> / <sub>16</sub>	35
RE110U6	10	8	7	6	17 <sup>7</sup> / <sub>16</sub>	16	5 <sup>5</sup> / <sub>8</sub>	14 <sup>15</sup> / <sub>16</sub>	13 <sup>15</sup> / <sub>16</sub>	9 <sup>5</sup> / <sub>8</sub>	3/4	12	44
RE112U6	12	10	7	6	16 <sup>15</sup> / <sub>16</sub>	18	2 <sup>3</sup> / <sub>4</sub>	9 <sup>3</sup> / <sub>4</sub>	9 <sup>3</sup> / <sub>4</sub>	N/A	3/4	16 <sup>15</sup> / <sub>16</sub>	53
RE112T6†	12	10	7	6	27 <sup>5</sup> / <sub>16</sub>	14	2 <sup>3</sup> / <sub>4</sub>	20 <sup>5</sup> / <sub>8</sub>	20 <sup>5</sup> / <sub>8</sub>	N/A	3/4	27 <sup>5</sup> / <sub>16</sub>	48
RE115U6	15	13	7	6	20 <sup>3</sup> / <sub>16</sub>	18	6 <sup>1</sup> / <sub>16</sub>	17 <sup>11</sup> / <sub>16</sub>	16 <sup>11</sup> / <sub>16</sub>	10 <sup>1</sup> / <sub>16</sub>	3/4	12 <sup>7</sup> / <sub>16</sub>	58
RE120U6	19	16	7	6	24 <sup>7</sup> / <sub>16</sub>	18	2 <sup>3</sup> / <sub>4</sub>	18 <sup>3</sup> / <sub>16</sub>	18 <sup>3</sup> / <sub>16</sub>	N/A	3/4	24 <sup>7</sup> / <sub>16</sub>	65

† Maximum wattage at any voltage is 3000W.  
For 10 year models, change suffix "6" to "10".  
Single element only.

\* Based on 1500W operation.

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Spec 1222. For additional documentation visit: [www.bradfordwhite.com/documentation](http://www.bradfordwhite.com/documentation)

Wattage Limitations	Voltage				
	120V	208V	240V	277V	480V
1500W	yes	yes	yes	yes	yes
2000W	yes	yes	yes	yes	yes
2500W	yes	yes	yes	yes	yes
3000W	yes	yes	yes	yes	yes
3500W	no	yes	yes	no	no
4000W	no	yes	yes	yes	yes
4500W	no	yes	yes	yes	yes
5000W	no	yes	yes	yes	yes
5500W	no	yes	yes	no	no
6000W	no	yes	yes	yes	yes

Wattage	Recovery GPH Temperature Rise °F				
	60	80	90	100	120
1500W	10	8	7	6	5
2000W	14	10	9	8	7
2500W	17	13	11	10	9
3000W	21	15	14	12	10
3500W	24	18	16	14	12
4000W	28	21	18	16	14
4500W	31	23	21	19	15
5000W	34	26	23	21	17
5500W	38	29	25	23	19
6000W	41	31	28	25	21



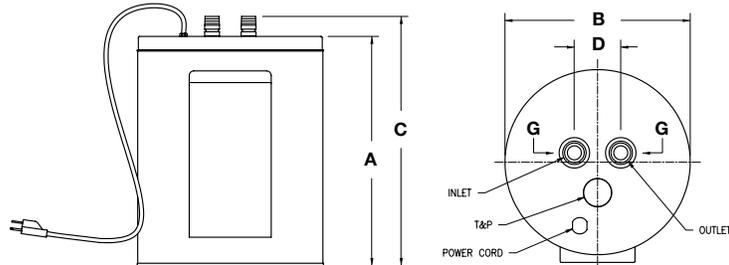
## Residential Electric Powerful Compact® Model

64/65

- Compact Design
- Fully Automatic Control
- Direct Heat Transfer with Immersed Element
- Vitraglas® Lining
- Non-CFC Insulation
- Water Connections—3/4" NPT
- Protective Magnesium Anode Rod
- T&P Relief Valve Opening

**Optional Features:**

- Wall Mounting Bracket
- Aluminum Anode Rod



RE1-2U6

page 64

## Powerful Compact® Model

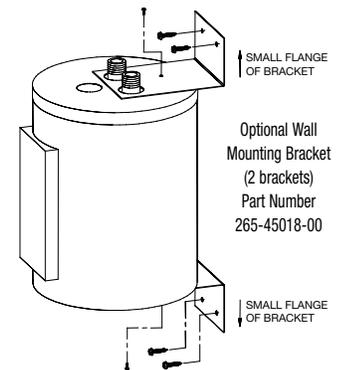
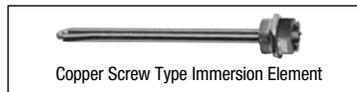
DIMENSIONS IN INCHES

Meet or exceed ASHRAE 90.1b (current standard) CEC Listed

Model Number	Nominal Gal. Capacity		Recovery at 90°F Rise*		A Floor to Top of Heater in.	B Jacket Dia. in.	C Floor to Water Conn. in.	D C/L of Water Conn. in.	G Water Conn. NPT in.	Approx. Shipping Weight lbs.
	U.S. Gal.	Imp. Gal.	U.S. GPH	Imp. GPH						
RE1-2U6	2	1.7	7	6	12	9 <sup>15</sup> / <sub>16</sub>	12 <sup>3</sup> / <sub>4</sub>	2 <sup>5</sup> / <sub>8</sub>	3/4	13

Includes a 4ft. cord with 3 prong grounded plug (20 amp circuit required).  
For 10 year models, change suffix "6" to "10".  
Single element only.

\* Based on 1500W operation.  
Only available as 120V / 1500W.



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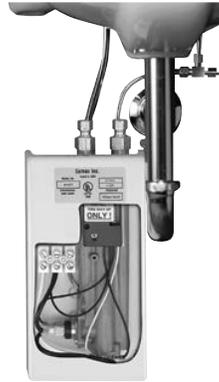
Spec 1215. For additional documentation visit: [www.bradfordwhite.com/documentation](http://www.bradfordwhite.com/documentation)

page 65



## Residential Electric Specialty Products Instantaneous Water Heaters

- On Demand Hot Water—No delay
- Cut Energy Waste—Flow switch activates heater only on demand (no stand-by heat loss)
- Continuous Hot Water—No storage capacity to run out
- No T&P Relief Valve Needed—Check local codes
- Integral Flow Restrictor—Built-in to ensure proper temperature rise
- 10 Year Warranty on Heater Body/Element Assembly
- Easy Installation – Mounts on Wall – No Sweat Connections
- Ni Chrome Heating Element —A unique, patented flow path ensures optimum heat transfer and extended element life
- Durable Design—Reduces Calcification and Sedimentation
- Space Saving Installation—Compact size
- Field Serviceable Element —1 year warranty



SINGLE POINT



THERMOSTATIC



FLOW CONTROLLED



Spec 217. For additional documentation visit: [www.bradfordwhite.com/documentation](http://www.bradfordwhite.com/documentation)

### Single Point Models (Single Phase)

DIMENSIONS IN INCHES

#### ELECTRIC

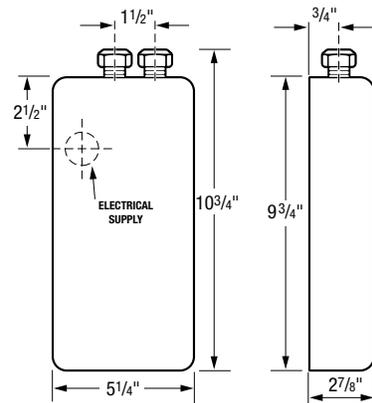
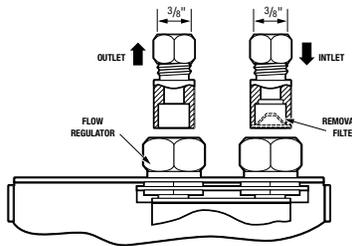
Model Number*	kW Rating	Voltage	AMPS	Temp. Rise °F 0.5 GPM	Recommended Wire Size
ES-3000-1-S-10	3.0	120	25.0	41°	10 AWG
ES-3500-1-S-10	3.5	120	29.0	48°	10 AWG
ES-3500-4-S-10	3.5	240	14.6	48°	12 AWG
ES-4100-2-S-10	4.1	208	19.7	56°	12 AWG
ES-4100-5-S-10	4.1	277	14.8	56°	14 AWG
ES-5500-4-S-10	5.5	240	22.9	37.5 <sup>***</sup>	10 AWG

\* Additional voltages and wattages are available. For more information, please consult factory.

\*\* Temp. Rise °F 1.0 GPM

#### Specifications

- Dimensions: 10.75" x 5.25" x 2.875"
- Weight: 3 lbs.
- Materials:
  - Cover: ABS UL rated 94Vo.
  - Glass Reinforced "Fortron®" Heater Body and Ni Chrome Element
- Color: White
- Element: Replaceable cartridge insert
- Pipe-Fittings: 3/8" compression at top of unit





## Residential Electric Specialty Products Instantaneous Water Heaters (continued)

68/69

### Thermostatic Models (Single Phase)

DIMENSIONS IN INCHES

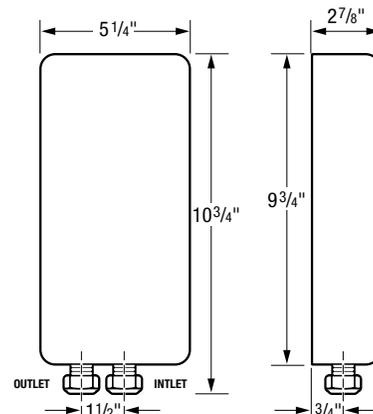
#### ELECTRIC

Model Number*	kW Rating	Voltage	AMPS	Temp. Rise °F 0.5 GPM	Temp. Rise °F 0.75 GPM	Temp. Rise °F 1.0 GPM	Temp. Rise °F 1.5 GPM	Temp. Rise °F 2.0 GPM	Recommended Wire Size
EFT-7500-4-S-10	7.5	240	32.0	—	68°	51°	34°	25°	8 AWG
EFT-9500-4-S-10	9.5	240	40.0	—	86°	65°	43°	32°	8 AWG

\*Additional voltages and wattages are available. For more information, please consult factory.

#### Specifications

- Dimensions: 10.75" x 5.25" x 2.875"
- Weight: 3 lbs.
- Materials:
  - Cover: ABS UL rated 94Vo.
  - Glass Reinforced "Fortron<sup>®</sup>" Heater Body and Ni Chrome Element
- Color: White
- Standard temperature range 100°F-140°F.
- Element: Replaceable cartridge insert.
- Pipe-Fittings: 1/2" compression at bottom of unit.
- U.L. Listed: E86887(M)



page 68

### Flow Controlled Models (Single Phase)

DIMENSIONS IN INCHES

#### ELECTRIC

Model Number*	kW Rating	Voltage	Current Per Phase	Temp. Rise °F 0.5 GPM	Temp. Rise °F 0.75 GPM	Temp. Rise °F 1.0 GPM	Temp. Rise °F 1.5 GPM	Temp. Rise °F 2.0 GPM	Recommended Wire Size
EFC-5500-4-S-10	5.5	240	23.0	75°	50°	38°	25°	18°	10 AWG
EFC-6500-4-S-10	6.5	240	27.0	88°	59°	44°	30°	22°	10 AWG
EFC-7500-4-S-10	7.5	240	32.0	—	68°	51°	34°	25°	8 AWG
EFC-8300-2-S-10	8.3	208	39.0	—	76°	57°	38°	29°	8 AWG
EFC-9500-4-S-10	9.5	240	40.0	—	86°	65°	43°	32°	8 AWG

\*Additional voltages and wattages are available. For more information, please consult factory.

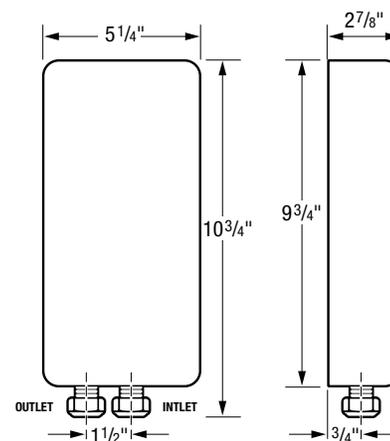
#### Specifications

- Dimensions: 10.75" x 5.25" x 2.875"
- Weight: 3 lbs.
- Materials:
  - Cover: ABS UL rated 94Vo.
  - Glass Reinforced "Fortron<sup>®</sup>" Heater Body and Ni Chrome Element
- Color: White
- Standard temperature range 100°F-140°F.
- Element: Replaceable cartridge insert.
- Pipe-Fittings: 1/2" compression at bottom of unit.

#### Voltage Identification Code For All Models

Voltage Code	Voltage
1	120
2	208
3	220
4	240
5	277
6	480

Example: EFT-28000-4-T-10.  
The 4 in the model number indicates 240 volt.



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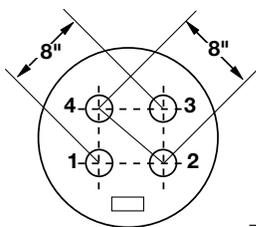
page 69



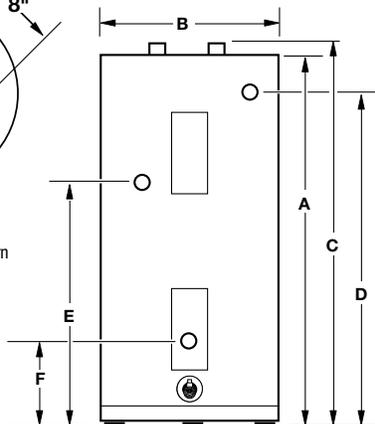
## Residential Solar Solar Saver® Electric Backup Models

70/71

- Vitraglas® Lining
- Hydrojet® Total Performance System
- Backup Element—4500W element provides heat only when solar energy does not satisfy demand
- Fully Automatic Controls—Fast acting surface-mount thermostat
- Top of Tank Access for Wiring and Water Connections
- Pre-Wired Sensor Lead
- Thermal Feet
- Water Connections—3/4" NPT true dielectric fittings
- 2" Non-CFC foam insulation
- Protective Magnesium Anode Rod
- T&P Relief Valve
- Low Restrictive Brass Drain Valve
- Consult Factory for Other Wattages



#1 - 3/4" Pump Suction  
#2 - 3/4" Cold Inlet  
#3 - 3/4" Collector Return  
#4 - 3/4" Hot Outlet



MS80R6SS

## Solar Saver® Electric Backup Models

DIMENSIONS IN INCHES

Meet or exceed ASHRAE 90.1b (current standard)

Model Number	Capacity		Recovery at 90°F Rise*		A Floor to Heater Top in.	B Jacket Dia. in.	C Floor to Water Conn. in.	D Floor to T&P Conn. in.	E Floor to Alt. Collector Return Conn. in.	F Floor to Alt. Collector Supply Conn. in.	Approx. Shipping Weight lbs.
	U.S. Gal.	Imp. Gal.	U.S. GPH	Imp. GPH							
MS65R6SS	65	54	21	18	59	22	60	52½	—	—	168
MS80R6SS†	80	67	21	18	59	24	60	52½	38	7⅞	210
MS120R6SS†	119	99	21	18	62½	28	63½	56	38¼	7⅞	310

NOTE: Suffix letter "S" denotes single element and surface mounted thermostat.

If requirements are for storage only, do not use element connections.

Second suffix letter "S" denotes Screw-Type Element. Meets California Energy Commission requirements.

† Models offer additional pump suction and collector return connections.

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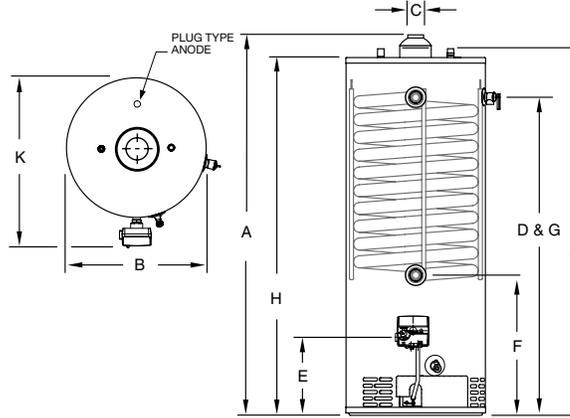
Spec 500. For additional documentation visit: [www.bradfordwhite.com/documentation](http://www.bradfordwhite.com/documentation)



## Residential Gas Combi<sup>®</sup> Single-Wall Atmospheric Models

72/73

- Defender Safety System<sup>®</sup> featuring the patented advanced ScreenLok<sup>®</sup> Technology flame arrestor design (50 gallon model only)
  - Resettable Thermal Switch
  - Maintenance-Free
  - Sight Window
  - Pedestal Base
- All Combi<sup>®</sup> Models Feature:
  - Bradford White ICON System<sup>®</sup>
    - Enhanced Performance
    - Advanced Temperature Control System
    - Intelligent Diagnostics
  - Heat Exchanger—Single-wall 1½" O.D. enamel coated (Vitrage<sup>®</sup>) Steel Coil
  - Provides Domestic Hot Water and Space Heating in One System
  - Low Heat Exchanger Head Loss—Up to 10 GPM flow, with less than 5 ft. of Head Loss
  - Vitrage<sup>®</sup> Lining
  - Hydrojet<sup>®</sup> Total Performance System
- Water Connections – 3/4" NPT true dielectric fittings
- 1" Front NPT Supply and Return Connections
- 2" Non-CFC Foam Insulation
- Two Protective Anode Rods
- T&P Relief Valve
- Low Restrictive Brass Drain Valve
- Thermostatic Mixing Valve (ASSE Approved)



C-SW2-504T10FBN

## Combi<sup>®</sup> Single-Wall Atmospheric Models

Meet or exceed ASHRAE 90.1b (current standard) C.E.C. Listed  
80% Recovery Efficiency

DIMENSIONS IN INCHES

Model Number	Capacity		Recovery 90°F Rise*				A Floor to Flue Conn. in.	B Jacket Dia. in.	C Vent Size in.	D Floor to T&P Conn. in.	E Floor to Gas Conn. in.	F Floor to Exchanger Inlet in.	G Floor to Exchanger Outlet in.	H Floor to Top of Heater in.	J Floor to Water Conn. in.	K Depth in.	Approx. Shipping Weight lbs.			
	U.S. Gal.	Imp. Gal.	Nat. BTU/Hr. Input	LP BTU/Hr. Input	Nat. U.S. GPH	Imp. GPH												U.S. GPH	LP GPH	
C-SW2-504T10FBN	45	38	65,000	61,000	70	59	66	55	59 1/4	22	4	51 3/4	13 7/8	31 1/3	29 5/8	51 3/4	59	60 3/8	24 1/2	236
C-SW2-75T10BN	72	61	76,000	76,000	81	70	81	70	62 1/4	26	4	51 3/4	13 7/8	31 1/3	29 5/8	51 3/4	59	60 3/8	24 1/2	292

All propane models feature a Titanium Stabilized Stainless Steel burner.  
For propane (LP) models change suffix "BN" to "SX".

\* Based on manufacturer's rated recovery efficiency.

### Heat Exchanger Values\*

Supply Temperature	140°F	120°F	100°F
Return Temperature	120°F	100°F	80°F
Differential	20°F	20°F	20°F
Flow Rate (C-SW2-504T10FBN)	4.1 GPM	4.6 GPM	4.6 GPM
Flow Rate (C-SW2-75T10BN)	4.1 GPM	5.6 GPM	5.6 GPM
Net Output (C-SW2-504T10FBN)	35,500 BTU/Hr.	39,500 BTU/Hr.	39,500 BTU/Hr.
Net Output (C-SW2-75T10BN)	35,500 BTU/Hr.	47,500 BTU/Hr.	47,500 BTU/Hr.

\* These values were obtained using 180°F stored tank temperature. Net Output is the space heating capacity based on normal piping and pickup allowance of 15%. Actual values may vary based on circulator flow rate, number of zones, water and space heating demands. Numbers subject to change.

Heat Exchanger Head Loss	
GPM	Ft. of Hd. Loss
2	0.03
5	0.20
8	0.51
10	0.80
12	1.15

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Spec 548. For additional documentation visit: [www.bradfordwhite.com/documentation](http://www.bradfordwhite.com/documentation)



## Residential Gas Combi1® TTW® Single-Wall Power Vent Models

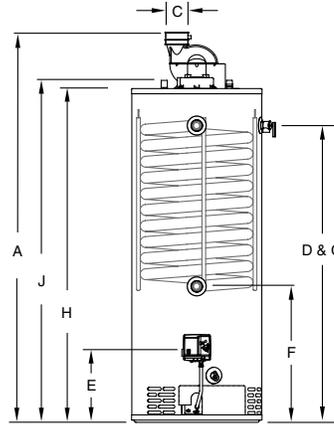
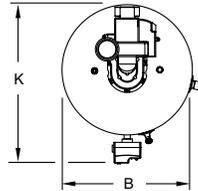
74/75

- Defender Safety System® featuring the patented advanced ScreenLok® Technology flame arrester design (50 gallon model only)
  - Resettable Thermal Switch
  - Maintenance-Free
  - Sight Window
  - Pedestal Base

**All Combi1® TTW® Models Feature:**

- Bradford White ICON System®
  - Enhanced Performance
  - Advanced Temperature Control System
  - Intelligent Diagnostics
  - Separate Immersed Thermowell
- Heat Exchanger—Single-wall 1½" O.D. enamel coated (Vitraglas®) steel
- Provides Domestic Hot Water and Space Heating in One System
- Low Heat Exchanger Head Loss—Up to 10 GPM flow, with less than 5 ft. of Head Loss
- Vitraglas® Lining
- Power Vented
  - 10 ft. Power Cord Included (120 VAC)
- Hydrojet® Total Performance System

- Horizontal and Vertical Venting
- Water Connections—¾" NPT true dielectric fittings
- 1" NPT Front Supply and Return Connections
- 2" Non-CFC Foam Insulation
- Two Protective Anode Rods
- T&P Relief Valve
- Low Restrictive Brass Drain Valve
- Thermostatic Mixing Valve (ASSE Approved)



C-SW2-TW50T10FBN

## Combi1® TTW® Single-Wall Power Vent Models

Meet or exceed ASHRAE 90.1b (current standard) C.E.C. Listed  
80% Recovery Efficiency

DIMENSIONS IN INCHES

Model Number	Capacity		LP BTU/Hr. Input	Recovery 90°F Rise*				A Floor to Vent Conn. in.	B Jacket Dia. in.	C Vent Size in.	D Floor to T&P Conn. in.	E Floor to Gas Conn. in.	F Floor to Exchanger Inlet in.	G Floor to Exchanger Outlet in.	H Floor to Heater Top in.	J Floor to Water Conn. in.	K Depth in.	Approx. Shipping Weight lbs.	
	U.S. Gal.	Imp. Gal.		Nat. BTU/Hr. Input	Nat. U.S. GPH	Nat. Imp. U.S. GPH	LP Imp. GPH												
C-SW2-TW50T10FBN	45	38	67,000	60,000	72	60	65	54	65%	22	3	50%	11½	31½	50	56%	60%	26%	243
C-SW2-TW75T10BN	72	61	76,000	75,500	82	69	81	67	68%	26	3	53	15	34½	53	60%	64%	31	313

All propane models feature a Titanium Stabilized Stainless Steel burner.  
For propane (LP) models change suffix "BN" to "SX".

\* Based on manufacturer's rated recovery efficiency.  
120 VAC Required for Power Venting / 120 VAC, 60Hz., 3.1 Amperes.

	3" Vent Pipe	4" Vent Pipe
C-SW2-TW50T		
C-SW2-TW75T		
Max. Equivalent Length	†60 ft.**	†180 ft.
Min. Equivalent Length	7 ft.	15 ft.
Number of 90° Elbows	1 2 3	175 ft. 170 ft. 165 ft.

Subtract 5 ft. for each additional 90° elbow.

† For high altitude installations, consult the installation instructions.

\*\* C-SW2-TW75 maximum 3" vent length is 50 ft.

Spec 542. For additional documentation visit: [www.bradfordwhite.com/documentation](http://www.bradfordwhite.com/documentation)

**Heat Exchanger Values\***

Supply Temperature	140°F	120°F	100°F
Return Temperature	120°F	100°F	80°F
Differential	20°F	20°F	20°F
Flow Rate (C-SW2-TW50T10FBN)	4.1 GPM	4.6 GPM	4.6 GPM
Net Output (C-SW2-TW50T10FBN)	35,000 BTU/Hr.	39,500 BTU/Hr.	39,500 BTU/Hr.
Flow Rate (C-SW2-TW75T10BN)	4.1 GPM	5.6 GPM	5.6 GPM
Net Output (C-SW2-TW75T10BN)	35,000 BTU/Hr.	47,500 BTU/Hr.	47,500 BTU/Hr.

\* These values were obtained using 180°F stored tank temperature. Net Output is the space heating capacity based on normal piping and pickup allowance of 15%. Actual values may vary based on circulator flow rate, number of zones, water and space heating demands. Numbers subject to change.

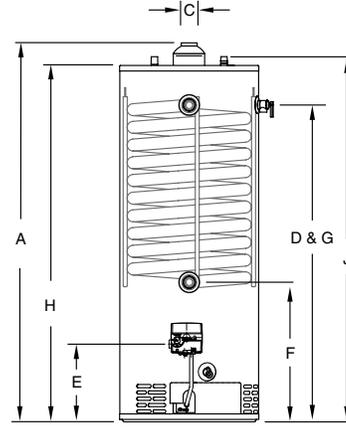
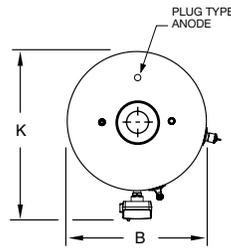
Heat Exchanger Head Loss	
GPM	Ft. of Hd. Loss
2	0.03
5	0.20
8	0.51
10	0.80
12	1.15



## Residential Gas Combi2® Double-Wall Atmospheric Models

76/77

- Defender Safety System® featuring the patented advanced ScreenLok® Technology flame arrestor design (50 gallon model only)
  - Resettable Thermal Switch
  - Maintenance-Free
  - Sight Window
  - Pedestal Base
- All Combi2® Models Feature:
  - Bradford White ICON System®
    - Enhanced Performance
    - Advanced Temperature Control System
    - Intelligent Diagnostics
  - Heat Exchanger—Double-wall 1½" O.D. enamel coated (Vitraglas®) steel coil ensures separation of potable water and heating fluid
  - Provides Domestic Hot Water and Space Heating in One System
  - Low Heat Exchanger Head Loss—Up to 8 GPM flow, with less than 6 ft. of Head Loss
  - Vitraglas® Lining
  - Hydrojet® Total Performance System
  - Water Connections—¾" NPT true dielectric fittings
  - ¾" Front NPT Supply and Return Connections
  - 2" Non-CFC Foam Insulation
  - Two Protective Anode Rods
  - T&P Relief Valve
  - Low Restrictive Brass Drain Valve
  - Thermostatic Mixing Valve (ASSE Approved)



C-DW2-504T10FBN

## Combi2® Double-Wall Atmospheric Models

Meet or exceed ASHRAE 90.1b (current standard) C.E.C. Listed  
80% Recovery Efficiency

DIMENSIONS IN INCHES

Model Number	Capacity		Recovery 90°F Rise*				A Floor to Flue Conn. in.	B Jacket Dia. in.	C Vent Size in.	D Floor to T&P Conn. in.	E Floor to Gas Conn. in.	F Floor to Exchanger Inlet in.	G Floor to Exchanger Outlet in.	H Floor to Top of Heater in.	J Floor to Water Conn. in.	K Depth in.	Approx. Shipping Weight lbs.		
	U.S. Gal.	Imp. Gal.	Nat. BTU/Hr. Input	LP BTU/Hr. Input	Nat. U.S. GPH	Imp. U.S. GPH												LP U.S. GPH	LP Imp. GPH
C-DW2-504T10FBN	45	38	65,000	61,000	70	59	66	55	59 1/4	22	4	50	13	27 7/8	50	56 3/8	60 3/8	24 1/2	238
C-DW2-75T10BN	72	61	76,000	76,000	81	70	81	70	62 1/4	26	4	51 3/4	13 7/8	29 5/8	51 3/4	59	63	30 3/8	302

All propane models feature a Titanium Stabilized Stainless Steel burner.  
For propane (LP) models change suffix "BN" to "SX".

\* Based on manufacturer's rated recovery efficiency.

### Heat Exchanger Values\*

Supply Temperature	140°F	120°F	100°F
Return Temperature	120°F	100°F	80°F
Differential	20°F	20°F	20°F
Flow Rate	2.3 GPM	3.4 GPM	4.4 GPM
Net Output	20,000 BTU/Hr.	29,000 BTU/Hr.	38,000 BTU/Hr.

Heat Exchanger Head Loss	
GPM	Ft. of Hd. Loss
2	0.15
5	0.94
8	2.40
10	3.75
12	5.40

\* These values were obtained using 180°F stored tank temperature. Net Output is the space heating capacity based on normal piping and pickup allowance of 15%. Actual values may vary based on circulator flow rate, number of zones, water and space heating demands. Numbers subject to change.

Get additional product information, technical documentation, training videos and more at our exclusive site for the professional.



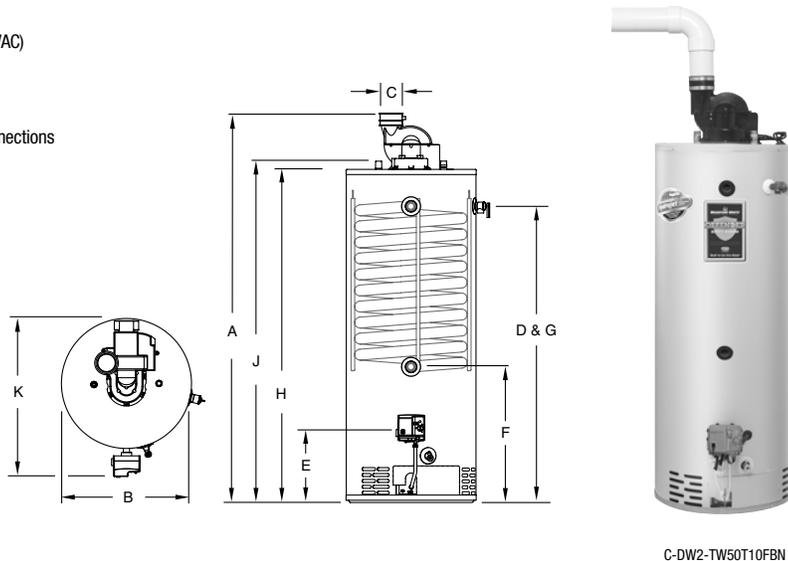
Spec 545. For additional documentation visit: [www.bradfordwhite.com/documentation](http://www.bradfordwhite.com/documentation)



## Residential Gas Combi2® TTW® Double-Wall Power Vent Models

78/79

- Defender Safety System® featuring the patented advanced ScreenLok® Technology flame arrestor design (50 gallon model only)
  - Resettable Thermal Switch
  - Maintenance-Free
  - Sight Window
  - Pedestal Base
- All Combi2® TTW® Models Feature:
  - Bradford White ICON System®
    - Enhanced Performance
    - Advanced Temperature Control System
    - Intelligent Diagnostics
    - Separate Immersed Thermowell
  - Heat Exchanger—Double-wall 1½" O.D. enamel coated (Vitrarglas®) steel coil ensures separation of potable water and heating fluid
  - Provides Domestic Hot Water and Hydronic Heating in One System
  - Low Heat Exchanger Head Loss—Up to 8 GPM flow, with less than 6 ft. of Head Loss
  - Vitrarglas® Lining
  - Hydrojet® Total Performance System
- Power Vented
  - 10 ft. Power Cord Included (120 VAC)
- Horizontal and Vertical Venting
- Water Connections—¾" NPT true dielectric fittings
- ¾" Front Supply and Return Connections
- 2" Non-CFC Foam Insulation
- Two protective Anode Rods
- T&P Relief Valve
- Low Restrictive Brass Drain Valve
- Thermostatic Mixing Valve (ASSE Approved)



page 78

## Combi2® TTW® Double-Wall Power Vent Models

Meet or exceed ASHRAE 90.1b (current standard) C.E.C. Listed  
Recovery Efficiency ranging up to 80% (Minimum)

DIMENSIONS IN INCHES

Model Number	Capacity		LP BTU/Hr. Input	Recovery 90°F Rise*				A Floor to Vent Conn. in.	B Jacket Dia. in.	C Vent Size in.	D Floor to T&P Conn. in.	E Floor to Gas Conn. in.	F Floor to Exchanger Inlet in.	G Floor to Exchanger Outlet in.	H Floor to Heater Top in.	J Floor to Water Conn. in.	K Depth in.	Approx. Shipping Weight lbs.	
	U.S. Gal.	Imp. Gal.		Nat. BTU/Hr. Input	Nat. U.S. GPH	Nat. Imp. GPH	LP U.S. GPH												LP Imp. GPH
C-DW2-TW50T10FBN	45	38	67,000	60,000	72	60	65	54	65%	22	3	50%	11½	28	50%	56%	60%	26	245
C-DW2-TW75T10BN	72	61	76,000	75,500	82	69	81	67	68%	26	3	53	15	30%	53	60%	64%	31	315

All propane models feature a Titanium Stabilized Stainless Steel burner.  
For propane (LP) models change suffix "BN" to "SX".

\* Based on manufacturer's rated recovery efficiency.  
110 VAC Required for Power Venting / 110 VAC, 60Hz., 3.1 Amperes.

	3" Vent Pipe	4" Vent Pipe
C-DW2-TW50T		
C-DW2-TW75T		
Max. Equivalent Length	†60 ft.**	†180 ft.
Min. Equivalent Length	7 ft.	15 ft.
Number of 90° Elbows	1 2 3	175 ft. 170 ft. 165 ft.

Subtract 5 ft. for each additional 90° elbow.

† For high altitude installations, consult the installation instructions.

\*\* C-DW2-TW75 maximum 3" vent length is 50 ft.

### Heat Exchanger Values\*

Supply Temperature	140°F	120°F	100°F
Return Temperature	120°F	100°F	80°F
Differential	20°F	20°F	20°F
Flow Rate	2.3 GPM	3.4 GPM	4.4 GPM
Net Output	20,000 BTU/Hr.	29,000 BTU/Hr.	38,000 BTU/Hr.

\* These values were obtained using 180°F stored tank temperature. Net Output is the space heating capacity based on normal piping and pickup allowance of 15%. Actual values may vary based on circulator flow rate, number of zones, water and space heating demands. Numbers subject to change.

Heat Exchanger Head Loss	
GPM	Ft. of Hd. Loss
2	0.15
5	0.94
8	2.40
10	3.75
12	5.40

Spec 547. For additional documentation visit: [www.bradfordwhite.com/documentation](http://www.bradfordwhite.com/documentation)

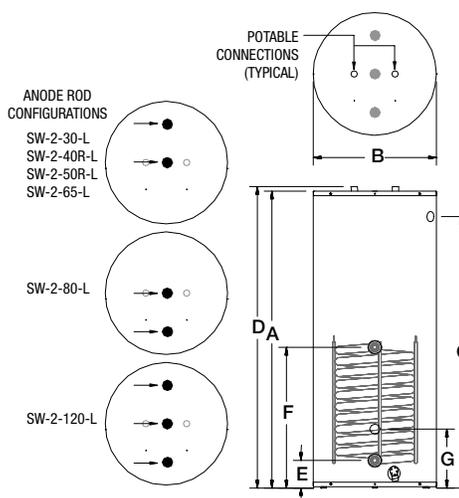
page 79



## Residential PowerStor Series® Single-Wall Indirect Models

80/81

- Heat Exchanger—Single-wall 1½" O.D. enamel coated (Vitrarglas®) steel coil
- Vitrarglas® Lining
- Hydrojet® Total Performance System
- Water Connections—¾" NPT true dielectric fittings (SW-2-120L has 1" NPT water connection)
- 1" NPT Connection for Boiler Supply And Return
- 2" Non-CFC Foam Insulation
- Immersion Type Aquastat— Accurate temperature control
- Three Protective Aluminum Anode Rods
- T&P Relief Valve
- Low Restrictive Brass Drain Valve
- Limited Lifetime Tank and Heat Exchanger Warranty
- AHRI Certified
- Standby Heat Loss Is Less than 1/2 °F per Hour (ASHRAE 90.1b Current Standard)



SW-2-65-L

## PowerStor Series® Single-Wall Indirect Models

DIMENSIONS IN INCHES

Meet or exceed ASHRAE 90.1b (current standard)

Model Number	Capacity		A Floor to Heater Top in.	B Jacket Dia. in.	C Floor to T&P Conn. in.	D Floor to Water Conn. in.	E Floor to Exchanger Outlet in.	F Floor to Exchanger Inlet in.	G Floor to Aquastat in.	Approx. Shipping Weight lbs.
	U.S. Gal.	Imp. Gal.								
SW-2-30-L	29	24	33 <sup>5</sup> / <sub>8</sub>	22	28 <sup>1</sup> / <sub>4</sub>	34 <sup>3</sup> / <sub>8</sub>	5 <sup>3</sup> / <sub>8</sub>	27 <sup>1</sup> / <sub>2</sub>	11 <sup>1</sup> / <sub>2</sub>	164
SW-2-40R-L	37	31	41 <sup>1</sup> / <sub>8</sub>	22	34 <sup>3</sup> / <sub>8</sub>	41 <sup>7</sup> / <sub>8</sub>	5 <sup>3</sup> / <sub>8</sub>	27 <sup>1</sup> / <sub>2</sub>	11 <sup>1</sup> / <sub>2</sub>	185
SW-2-50R-L	43	36	46 <sup>1</sup> / <sub>4</sub>	22	40 <sup>1</sup> / <sub>8</sub>	47	5 <sup>3</sup> / <sub>8</sub>	27 <sup>1</sup> / <sub>2</sub>	11 <sup>1</sup> / <sub>2</sub>	195
SW-2-65-L	57	47	59 <sup>1</sup> / <sub>4</sub>	22	53 <sup>1</sup> / <sub>8</sub>	60	5 <sup>3</sup> / <sub>8</sub>	27 <sup>1</sup> / <sub>2</sub>	11 <sup>1</sup> / <sub>2</sub>	225
SW-2-80-L	71	59	59	24	52 <sup>7</sup> / <sub>8</sub>	59 <sup>3</sup> / <sub>4</sub>	5 <sup>3</sup> / <sub>8</sub>	27 <sup>1</sup> / <sub>2</sub>	11 <sup>1</sup> / <sub>2</sub>	250
SW-2-120-L	110	92	62 <sup>1</sup> / <sub>2</sub>	28 <sup>1</sup> / <sub>4</sub>	55 <sup>3</sup> / <sub>4</sub>	63 <sup>1</sup> / <sub>4</sub>	6 <sup>3</sup> / <sub>8</sub>	28 <sup>1</sup> / <sub>2</sub>	11 <sup>1</sup> / <sub>2</sub>	370

Heat Exchanger Head Loss	
GPM	Ft. of Hd. Loss
2	0.01
5	0.20
8	0.50
10	0.80
12	1.20

DOE Water Heater Performance					
Model Number	Maximum First Hour Rating (Gal.) @		Continuous Draw Rating (Gal./Min.) @		Approximate Boiler Output Needed for Ratings (BTU/Hr.)
	140°F	115°F	140°F	115°F	
SW-2-30-L	279	429	4.2	6.7	220,000
SW-2-40R-L	288	438	4.2	6.7	220,000
SW-2-50R-L	297	447	4.2	6.7	220,000
SW-2-65-L	306	456	4.2	6.7	220,000
SW-2-80-L	321	470	4.2	6.7	220,000
SW-2-120-L	357	507	4.2	6.7	220,000

Note: Based on 200°F boiler water temperature and 50°F potable water inlet temperature.

AHRI Certified Water Heater Ratings					
Model Number	First Hour Delivery @ 135°F (Gal.)	Continuous Draw Rating @ 135°F (Gal./Hr.)	Standby Heat Loss Rating (°F/Hr.)	Minimum Output Rate of Heat Source (BTU/Hr.)	Minimum Heat Source Flow Rate (Gal./Min.)
SW-2-40R-L	260	235	1.1	157,000	13.7
SW-2-50R-L	265	235	0.9	157,000	13.7
SW-2-65-L	275	235	0.7	157,000	13.7
SW-2-80-L	295	235	0.6	157,000	13.7
SW-2-120-L	325	235	0.4	157,000	13.7

Note: These certified ratings were obtained with a heat source output rate and flow rate as specified and a 180°F boiler water supply temperature. Other results will be obtained under different conditions.

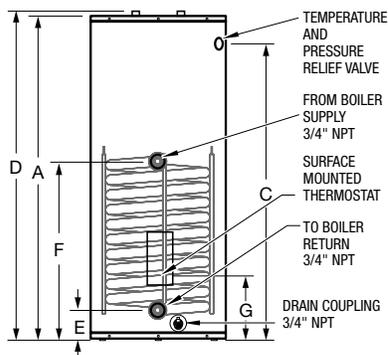
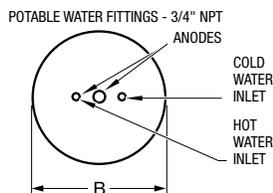
Spec 554. For additional documentation visit: [www.bradfordwhite.com/documentation](http://www.bradfordwhite.com/documentation)



## Residential PowerStor2™ Series Double-Wall Indirect Models

82/83

- Heat Exchanger—Double-wall 1½" O.D. enamel coated (Vitraglas®) steel coil
- Head Loss—Up to 10 GPM flow, with less than 5 ft. of Head Loss
- Vitraglas® Lining
- Hydrojet® Total Performance System
- Water Connections—¾" NPT true dielectric fittings
- 2" Non-CFC Foam Insulation
- Surface-Mount Thermostat
- Two Protective Magnesium Anode Rods
- T&P Relief Valve
- Low Restrictive Brass Drain Valve
- Limited Lifetime Warranty on Tank and Heat Exchanger
- AHRI Certified
- Standard Heat Loss—Less than 1/2 °F per Hour (ASHRAE 90.1b Current Standard)



DW-2-50-L

## PowerStor2™ Series Double-Wall Indirect Models

DIMENSIONS IN INCHES

Meet or exceed ASHRAE 90.1b (current standard)

Model Number	Capacity		A Floor to Heater Top in.	B Jacket Dia. in.	C Floor to T&P Conn. in.	D Floor to Water Conn. in.	E Floor to Exchanger Outlet in.	F Floor to Exchanger Inlet in.	G Floor to Thermostat in.	Approx. Shipping Weight lbs.
	U.S. Gal.	Imp. Gal.								
DW-2-40-L	37	31	41	22	34%	41%	5%	27%	11½	195
DW-2-50-L	43	36	46½	22	40%	47%	5%	27%	11½	205
DW-2-65-L	57	47	59	22	53%	60	5%	27%	11½	235
DW-2-80-L	71	59	59	24	52%	59%	5%	27%	11½	255

Heat Exchanger Head Loss	
GPM	Ft. of Hd. Loss
2	0.20
5	0.90
8	2.40
10	3.80
12	5.40

### DOE Water Heater Performance

Model	Maximum First Hour Rating (Gal.) @		Continuous Draw Rating (Gal./Min.) @		Approximate Boiler Output Needed For Ratings (BTU/Hr.)
	140°F	115°F	140°F	115°F	
DW-2-40-L	116	164	1.5	2.3	80,000
DW-2-50-L	123	171	1.5	2.3	80,000
DW-2-65-L	132	180	1.5	2.3	80,000
DW-2-80-L	142	190	1.5	2.3	80,000

Note: Based on 200°F boiler water temperature and 50°F potable water inlet temperature.

### AHRI Certified Water Heater Ratings

Model	First Hour Rating @ 135°F (Gal.)	Continuous Draw Rating @ 135°F (Gal./Hr.)	Standby Heat Loss Rating (°F/Hr.)	Minimum Heat Req. Rate (BTU/Hr.)	Minimum Heat Source Flow Rate (Gal./Min.)
DW-2-40-L	110	85	1.1	58,000	8.0
DW-2-50-L	120	85	0.9	58,000	8.0
DW-2-65-L	135	85	0.7	58,000	8.0
DW-2-80-L	145	85	0.6	58,000	8.0

Note: These certified ratings were obtained with a heat source output rate and flow rate as specified and a 180°F boiler water supply temperature. Other results will be obtained under different conditions.

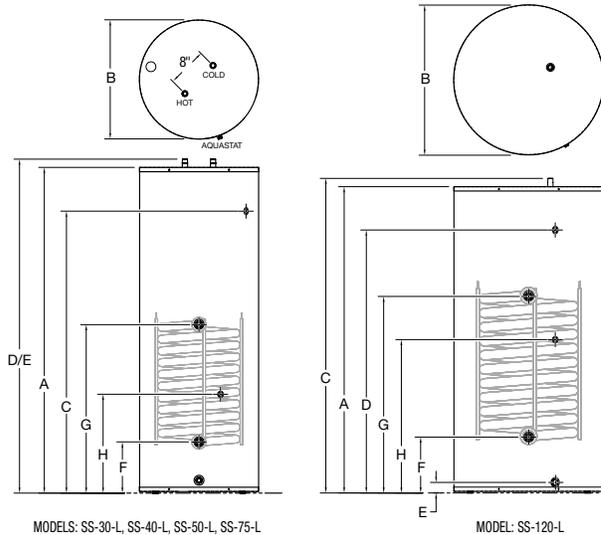
Spec 543. For additional documentation visit: [www.bradfordwhite.com/documentation](http://www.bradfordwhite.com/documentation)



## Residential PowerStor Series® SS Single-Wall Indirect Models

84/85

- Stainless Steel Heat Exchanger—Single-wall 1" O.D. stainless steel coil
- Stainless Steel Tank and Heat Exchanger—Made from Chromium Molybdenum - Titanium Ferritic 444 Stainless Steel Alloy
- Immersed Adjustable Aquastat—Fast acting immersion aquastat for automatic temperature control
- Supply and Return Connections—1" NPT female connections are located on the front for both the Boiler Supply and Boiler Return
- 2" Non-CFC Foam Insulation
- Potable Water Connections—3/4" NPT dielectric fittings extend water heater life and eases installation (1" NPT on SS-120-L)
- T&P Relief Valve
- Low Restrictive Brass Drain Valve (Excluding the SS-120-L)
- AHRI Certified



SS-50-L

page 84

## PowerStor Series® SS Single-Wall Indirect Models

DIMENSIONS IN INCHES

Model Number	Nominal Gal. Capacity		A Floor to Top of Heater in.	B Jacket Dia. in.	C Floor to T&P Conn. in.	D Floor to Hot Water Conn. in.	E Floor to Cold Water Conn. in.	F Floor to Exchanger Outlet in.	G Floor to Exchanger Inlet in.	H Floor to Aquastat in.	Approx. Shipping Weight lbs.
	U.S. Gal.	Imp. Gal.									
SS-30-L	29	24	31 5/8	24	22 1/2	32 1/2	32 1/2	10	22 5/8	16 1/2	75
SS-40-L	38	31	38 1/4	24	29 1/8	38 7/8	38 7/8	10	24 3/4	18 3/4	91
SS-50-L	50	42	48	24	39 3/4	48 7/8	48 7/8	10	29 1/4	19 1/2	103
SS-75-L	73	60	65 5/8	24	56 1/2	66 1/4	66 1/4	10	33 5/8	19 1/2	142
SS-120-L	111	92	63 3/8	30 1/4	65 3/4	53 1/2	2 11/16	11 3/4	40	31 3/8	217

### Heat Exchanger Head Loss

Model	GPM	Ft. of Hd. Loss	Model	GPM	Ft. of Hd. Loss
SS-30-L & SS-40-L	2	0.2	SS-30-L & SS-40-L	8	2.8
SS-50-L		0.2	SS-50-L		3.6
SS-75-L		0.1	SS-75-L		2.1
SS-120-L		0.2	SS-120-L		3.5
SS-30-L & SS-40-L	5	1.1	SS-30-L & SS-40-L	10	4.4
SS-50-L		1.4	SS-50-L		5.6
SS-75-L		0.8	SS-75-L		3.3
SS-120-L		1.4	SS-120-L		5.5

### AHRI Certified Water Heater Ratings

Model Number	First Hour Delivery Rating Gal./Hr.	Continuous Draw @135°F Gal./Hr.	Standby Heat Loss Rating °F/Hr.	Minimum Heat Required Rate BTU/Hr.	Minimum Heat Source Flow Rate Gal./Min.
SS-30-L	179	160	0.8	105,000	14.0
SS-40-L	237	209	0.6	135,000	14.0
SS-50-L	269	229	0.5	145,000	14.0
SS-75-L	367	307	0.4	193,000	14.0
SS-120-L	409	319	0.3	199,000	9.0

NOTE: These certified ratings were obtained with a heat source output and flow rate as specified and a 180°F boiler water supply temperature. Other results will be obtained under different conditions.

Spec 556. For additional documentation visit: [www.bradfordwhite.com/documentation](http://www.bradfordwhite.com/documentation)

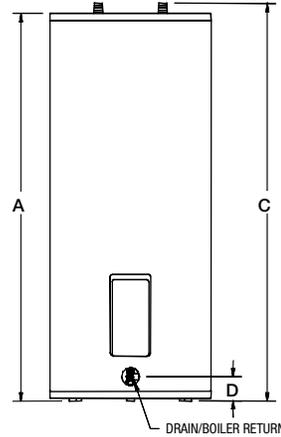
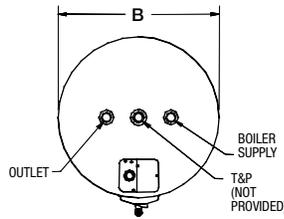
page 85



# Residential Storage Tank Models

86/87

- Vitraglas® Lining
- Hydrojet® Total Performance System
- Water Connections—3/4" NPT true dielectric fittings (AST-120 has 1" NPT Connections)
- 2" Non-CFC Foam Insulation
- Fully Automatic Controls
- Protective Magnesium Anode Rod
- Boiler Return Is 3/4"
- Thermal Feet
- T&P Relief Valve Opening
- Brass Drain/Return Valve (3/4")



AST-50-6

Spec 609. For additional documentation visit: [www.bradfordwhite.com/documentation](http://www.bradfordwhite.com/documentation)

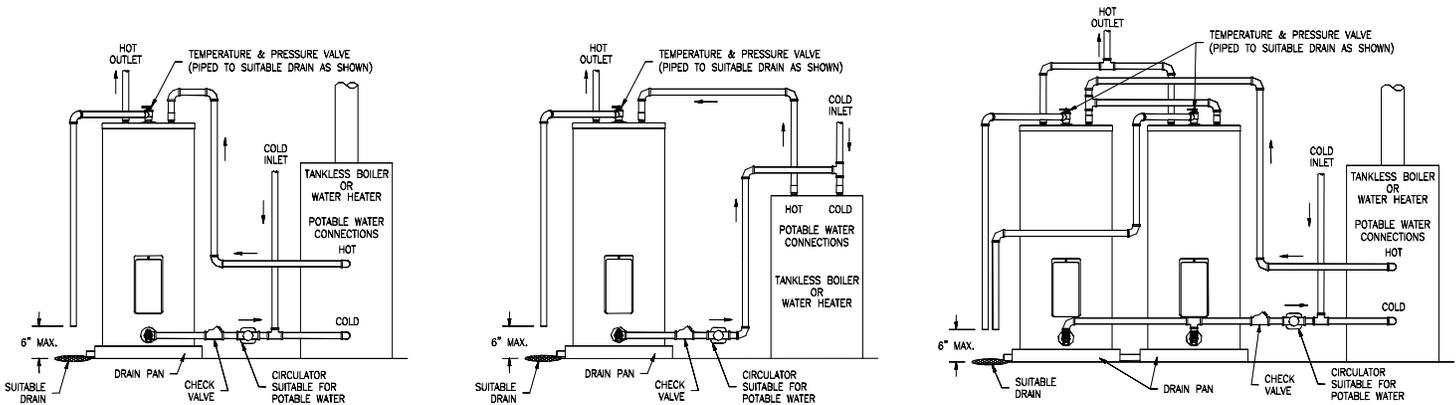
## Storage Tank Models

DIMENSIONS IN INCHES

Meet or exceed ASHRAE 90.1b (current standard)

Model Number	Capacity		A Floor to Heater Top in.	B Jacket Dia. in.	C Floor to Top Water Conn. in.	D Floor to Drain/Boiler Return in.	Outlet in.	Heat Source Supply in.	Heat Source Return in.	Approx. Shipping Weight lbs.
	U.S. Gal.	Imp. Gal.								
AST-40-6	40	33	46 <sup>7</sup> / <sub>8</sub>	20	47 <sup>7</sup> / <sub>8</sub>	3 <sup>1</sup> / <sub>16</sub>	3/4	3/4	3/4	103
AST-50-6	50	42	46 <sup>5</sup> / <sub>16</sub>	22	47 <sup>5</sup> / <sub>16</sub>	3 <sup>1</sup> / <sub>16</sub>	3/4	3/4	3/4	130
AST-80-6	80	67	58 <sup>7</sup> / <sub>8</sub>	24	59 <sup>7</sup> / <sub>8</sub>	3 <sup>1</sup> / <sub>16</sub>	3/4	3/4	3/4	183
AST-120-6	119	99	62 <sup>7</sup> / <sub>8</sub>	28 <sup>1</sup> / <sub>4</sub>	63 <sup>7</sup> / <sub>8</sub>	3 <sup>1</sup> / <sub>16</sub>	1	1	3/4	305

Note: Circulator pump and temperature pressure relief valve are NOT included. We recommend you use a stainless steel or low lead circulator pump and relief valve of your choice when installing these storage tanks.



## Warranty Information

	Limited Tank Warranty	Limited Parts Warranty		Limited Tank Warranty	Limited Parts Warranty
<b>Residential Gas Models</b>			<b>Residential Electric Models</b>		
Atmospheric Vent High EF Models .....	6 or 10 Year	6 or 10 Year**	Residential High Efficiency, Upright, Lowboy Models ....	6 or 10 Year	6 or 10 Year**
Atmospheric Vent Damper Models .....	6 or 10 Year	6 or 10 Year**	Residential Large Volume Models .....	6 or 10 Year	6 or 10 Year**
Residential High EF Models .....	6 or 10 Year	6 or 10 Year**	Residential Utility, Wall Hung Models .....	6 or 10 Year	6 or 10 Year**
Residential High Input Models .....	6 or 10 Year	6 or 10 Year**	Residential KwicksHOT® Models .....	10 Year†	1 Year
Residential Upright Models .....	6 or 10 Year	6 or 10 Year**	<b>Solar Models</b>		
Residential Power Vent Models .....	6 or 10 Year	6 or 10 Year**	Residential Solar Models .....	6 or 10 Year	6 Year
Residential eF Series® Power Direct Vent Model .....	6 or 10 Year	6 or 10 Year**	<b>Residential Hydronic/Space Heating</b>		
Residential Power Direct Vent Models .....	6 or 10 Year	6 or 10 Year**	Residential Combi1® Models .....	10 Year	6 Year
Residential Direct Vent Models .....	6 or 10 Year	6 or 10 Year**	Residential Combi2® Models .....	10 Year	6 Year
Residential Ultra Low NOx Models .....	6 or 10 Year	6 or 10 Year**	<b>Residential Indirect Models</b>		
Residential eF Series® Models .....	6 or 10 Year	6 or 10 Year**	Residential PowerStor Series® Model .....	Limited Lifetime	6 Year
Residential Manufactured Home Models .....	6 or 10 Year	6 Year	Residential PowerStor2™ Series Models .....	Limited Lifetime	6 Year
Residential Infinity Tankless® K-Series Models .....	15 Year*	5 Year	Residential PowerStor Series® SS Models .....	Limited Lifetime	6 Year
Residential Infinity Tankless® Models .....	12 Year*	5 Year	<b>Residential Storage Tank</b>		
<b>Residential Heat Pump Models</b>			Residential AST Models .....	6 Year	6 Year
Residential AeroTherm® Heat Pump Models .....	6 or 10 Year	6 or 10 Year**			

Coverage may vary, please contact the Bradford White Warranty Department for specific details.  
Some states do not allow limitations on warranties. See copy of the Warranty included with the heater.

\* Heat Exchanger Only

\*\* 10 year parts warranty on warranty upgrade kit models only

† Heater Body Element Assembly.

## Tank Type Serial Number Identification

### FIRST LETTER - YEAR OF MANUFACTURE

K = 1993	S = 1998	Z = 2003	E = 2008	K = 2013
L = 1994	T = 1999	A = 2004	F = 2009	L = 2014
M = 1995	W = 2000	B = 2005	G = 2010	M = 2015
N = 1996	X = 2001	C = 2006	H = 2011	N = 2016
P = 1997	Y = 2002	D = 2007	J = 2012	

Bradford White uses a 20-year letter designation rotation in serial numbers. Therefore, please be aware that water heaters manufactured 20 years apart will have the same serial number "letter year" designation. (i.e. A = 2004 and 1984).

### SECOND LETTER - MONTH OF MANUFACTURE

A = JANUARY	E = MAY	J = SEPTEMBER
B = FEBRUARY	F = JUNE	K = OCTOBER
C = MARCH	G = JULY	L = NOVEMBER
D = APRIL	H = AUGUST	M = DECEMBER

Example:

FC12345678 = MARCH, 2009 Production

NA12345678 = JANUARY, 1996 Production