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 supersedes 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 ¾” NPT on 8” centers (except where noted).

6. All Residential Gas Models have ½” 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; 5,943,984; 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; 7,063,133; 7,559,293; 7,900,589; 5,988,117; 7,621,238; 7,650,859; 2,262,174.

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.
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.

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 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 to assist in troubleshooting, and Pilot-On-Indication.

Phone Apps
Bradford White’s RightSpec® Cross Reference, Warranty Check, and eF Series® Efficiency Calculator Apps are available for both Android™ and iOS platform devices. They are intuitive and easy-to-use and help save valuable time in the field. Visit Bradfordwhite.com for full details and download links.
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

Atmospheric Vent High EF Models

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

<table>
<thead>
<tr>
<th>Model Number</th>
<th>Nominal Gal. Cap.</th>
<th>DOE Rated Storage Volume</th>
<th>Input BTU/Hr.</th>
<th>1st Hour Rating (Gal.)</th>
<th>Uniform Energy Factor</th>
<th>U.S. GPH</th>
<th>Imp. GPH</th>
<th>Floor to Flu Conn.</th>
<th>Jacket Dia.</th>
<th>Vent Size</th>
<th>Floor to T&amp;P Conn.</th>
<th>Floor to Gas Conn.</th>
<th>Floor to Top of Heater</th>
<th>Floor to Water Conn.</th>
<th>Depth</th>
<th>C/L of Water Conn.</th>
<th>Approx. Shipping Weight (lbs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>RG2F40S6N</td>
<td>40</td>
<td>38,000</td>
<td>69</td>
<td>0.68</td>
<td>41</td>
<td>33</td>
<td>54½</td>
<td>22</td>
<td>3 x 4</td>
<td>40</td>
<td>11½</td>
<td>47</td>
<td>47½</td>
<td>25½</td>
<td>8</td>
<td>150</td>
<td></td>
</tr>
<tr>
<td>RG2F50S6N</td>
<td>50</td>
<td>38,000</td>
<td>81</td>
<td>0.71</td>
<td>41</td>
<td>33</td>
<td>55½</td>
<td>24</td>
<td>3 x 4</td>
<td>40½</td>
<td>11½</td>
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<td>48½</td>
<td>27½</td>
<td>8</td>
<td>176</td>
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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.

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Residential Gas
Atmospheric Vent Damper Models

- ENERGY STAR® Qualified—Some models
- 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 arrestor 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

Atmospheric Vent Damper Models

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

### NATURAL GAS MODELS

<table>
<thead>
<tr>
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<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>RG1D30T6N</td>
<td>30</td>
<td>28</td>
<td>32,000</td>
<td>59</td>
<td>0.62</td>
<td>34</td>
<td>28</td>
<td>63</td>
<td>16</td>
<td>3 x 4</td>
<td>49 1/2</td>
<td>13</td>
<td>56 1/4</td>
<td>57</td>
<td>20 1/2</td>
<td>8</td>
</tr>
<tr>
<td>RG1D40S6N</td>
<td>40</td>
<td>38</td>
<td>40,000</td>
<td>73</td>
<td>0.59</td>
<td>43</td>
<td>36</td>
<td>63</td>
<td>18</td>
<td>3 x 4</td>
<td>50 1/2</td>
<td>13</td>
<td>56 1/2</td>
<td>57</td>
<td>22 1/2</td>
<td>8</td>
</tr>
<tr>
<td>RG1D40T6N</td>
<td>40</td>
<td>38</td>
<td>40,000</td>
<td>74</td>
<td>0.59</td>
<td>43</td>
<td>36</td>
<td>63 1/2</td>
<td>20</td>
<td>3 x 4</td>
<td>49 1/2</td>
<td>13</td>
<td>56 1/4</td>
<td>57</td>
<td>24 1/2</td>
<td>8</td>
</tr>
<tr>
<td>RG1D50T6N</td>
<td>50</td>
<td>48</td>
<td>40,000</td>
<td>86</td>
<td>0.63</td>
<td>43</td>
<td>36</td>
<td>63</td>
<td>22</td>
<td>3 x 4</td>
<td>49 1/2</td>
<td>13</td>
<td>56 1/2</td>
<td>57</td>
<td>26 1/2</td>
<td>11</td>
</tr>
<tr>
<td>*RG2D40S6N</td>
<td>40</td>
<td>38</td>
<td>38,000</td>
<td>71</td>
<td>0.65</td>
<td>41</td>
<td>34</td>
<td>54 1/2</td>
<td>22</td>
<td>3 x 4</td>
<td>49 1/2</td>
<td>11 1/4</td>
<td>47 3/4</td>
<td>48</td>
<td>26 1/2</td>
<td>11</td>
</tr>
<tr>
<td>*RG2D40T6N</td>
<td>50</td>
<td>47</td>
<td>40,000</td>
<td>83</td>
<td>0.69</td>
<td>43</td>
<td>36</td>
<td>63</td>
<td>22</td>
<td>3 x 4</td>
<td>49 1/2</td>
<td>11 1/4</td>
<td>56 1/2</td>
<td>58</td>
<td>26 1/2</td>
<td>11</td>
</tr>
</tbody>
</table>

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.

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

### LP GAS MODELS

<table>
<thead>
<tr>
<th>Model Number</th>
<th>Input BTU/HR.</th>
<th>Recovery 0°F Rise*</th>
</tr>
</thead>
<tbody>
<tr>
<td>RG1D30T6X</td>
<td>31,000</td>
<td>33 1/2</td>
</tr>
<tr>
<td>RG1D40S6X</td>
<td>38,000</td>
<td>41 1/2</td>
</tr>
<tr>
<td>RG1D40T6X</td>
<td>38,000</td>
<td>41 1/2</td>
</tr>
<tr>
<td>RG1D50T6X</td>
<td>38,000</td>
<td>41 1/2</td>
</tr>
<tr>
<td>*RG2D40S6X</td>
<td>38,000</td>
<td>41 1/2</td>
</tr>
<tr>
<td>*RG2D40T6X</td>
<td>40,000</td>
<td>43 1/2</td>
</tr>
</tbody>
</table>

For above models please note recovery changes for LP.
Residential Gas
Atmospheric Vent Models

- Bradford White ICON System™
  - Enhanced Performance
  - Advanced Temperature
  - Control System
- Defender Safety System™ featuring the patented Advanced ScreenLock®
- Technology flame arrestor design
- Resettable Thermal Switch
- Maintenance-Free
- Sight Window
- Pedestal Base
- Hydrojet® Total Performance System
- Non-CFC Foam Insulation
- Vitraglas® Lining
- Heat Traps
- Protective Magnesium Anode Rod
- 3"x4" "Snap Lock" Draft Diverter
- Separate Immersed Thermowell

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

Atmospheric Vent Models

Propane models feature a Titanium Stabilized Stainless Steel propane burner.

**DIMENSIONS IN INCHES**

<table>
<thead>
<tr>
<th>Model Number</th>
<th>Nominal Cap.</th>
<th>DOE Rated Storage Volume</th>
<th>Input BTU/Hr.</th>
<th>1st Hour Rating (Gal.)</th>
<th>Uniform Energy Factor</th>
<th>Nat U.S. GPH</th>
<th>Nat Imp. GPH</th>
<th>Floor to Flue Conn.</th>
<th>Jacket Dia.</th>
<th>Vent Size</th>
<th>Floor to T&amp;P Conn.</th>
<th>Floor to Gas Conn.</th>
<th>Floor to Water Conn.</th>
<th>Depth</th>
<th>Approx. Shipping Weight (lbs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>RG130T6N</td>
<td>30</td>
<td>28</td>
<td>27,000</td>
<td>53</td>
<td>0.60</td>
<td>29</td>
<td>24</td>
<td>59½</td>
<td>16</td>
<td>3 x 4</td>
<td>49½/56½</td>
<td>13</td>
<td>57½</td>
<td>19½</td>
<td>109</td>
</tr>
<tr>
<td>RG230T6N</td>
<td>30</td>
<td>28</td>
<td>32,000</td>
<td>59</td>
<td>0.61</td>
<td>34</td>
<td>28</td>
<td>59½</td>
<td>18</td>
<td>3 x 4</td>
<td>49½/56½</td>
<td>13</td>
<td>57½</td>
<td>21½</td>
<td>116</td>
</tr>
<tr>
<td>RG232S6N</td>
<td>30</td>
<td>28</td>
<td>30,000</td>
<td>57</td>
<td>0.60</td>
<td>32</td>
<td>37</td>
<td>49½</td>
<td>20</td>
<td>3 x 4</td>
<td>38½</td>
<td>13</td>
<td>46½</td>
<td>23½</td>
<td>113</td>
</tr>
<tr>
<td>RG140T6N</td>
<td>40</td>
<td>36</td>
<td>34,000</td>
<td>69</td>
<td>0.59</td>
<td>37</td>
<td>31</td>
<td>61½</td>
<td>18</td>
<td>3 x 4</td>
<td>51½/60</td>
<td>13</td>
<td>59½</td>
<td>21½</td>
<td>113</td>
</tr>
<tr>
<td>RG240T6N</td>
<td>40</td>
<td>36</td>
<td>40,000</td>
<td>74</td>
<td>0.59</td>
<td>43</td>
<td>36</td>
<td>60½</td>
<td>20</td>
<td>3 x 4</td>
<td>50½/56%</td>
<td>13</td>
<td>57½</td>
<td>23½</td>
<td>134</td>
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<tr>
<td>RG240S6N</td>
<td>40</td>
<td>36</td>
<td>40,000</td>
<td>73</td>
<td>0.59</td>
<td>43</td>
<td>36</td>
<td>51½</td>
<td>22</td>
<td>3 x 4</td>
<td>41½/47½</td>
<td>13</td>
<td>49½</td>
<td>25½</td>
<td>139</td>
</tr>
<tr>
<td>RG150T6N</td>
<td>50</td>
<td>47</td>
<td>34,000</td>
<td>80</td>
<td>0.63</td>
<td>37</td>
<td>31</td>
<td>59½</td>
<td>20</td>
<td>3 x 4</td>
<td>50½/56%</td>
<td>13</td>
<td>58</td>
<td>23½</td>
<td>150</td>
</tr>
<tr>
<td>RG250T6N</td>
<td>50</td>
<td>48</td>
<td>40,000</td>
<td>86</td>
<td>0.65</td>
<td>43</td>
<td>36</td>
<td>60½</td>
<td>22</td>
<td>3 x 4</td>
<td>49½/57</td>
<td>13</td>
<td>57½</td>
<td>25½</td>
<td>154</td>
</tr>
<tr>
<td>RG250G6N</td>
<td>48</td>
<td>47</td>
<td>40,000</td>
<td>85</td>
<td>0.63</td>
<td>43</td>
<td>36</td>
<td>51½</td>
<td>24</td>
<td>3 x 4</td>
<td>40½</td>
<td>13</td>
<td>49½</td>
<td>27½</td>
<td>170</td>
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<tr>
<td>RG250S6N</td>
<td>50</td>
<td>47</td>
<td>50,000</td>
<td>89</td>
<td>0.63</td>
<td>54</td>
<td>45</td>
<td>60½</td>
<td>22</td>
<td>4</td>
<td>49½/57</td>
<td>13</td>
<td>58½</td>
<td>25½</td>
<td>167</td>
</tr>
</tbody>
</table>

For models to the right please note recovery changes for LP.

**NATURAL GAS MODELS**

- LP GAS MODELS
  - Input BTU/hr. | Recovery 90°F Rise
  - LP U.S. GPH | LP Imp. GPH
  - RG130T6X     | 27,000       | 29                   | 24             |
  - RG230T6X     | 31,000       | 33                   | 23             |
  - RG230S6X     | 32,000       | 32                   | 27             |
  - RG140T6X     | 34,000       | 37                   | 31             |
  - RG240T6X     | 36,000       | 34                   | 33             |
  - RG240S6X     | 35,000       | 41                   | 34             |
  - RG150T6X     | 34,000       | 37                   | 31             |
  - RG250L6X     | 35,000       | 41                   | 34             |
  - RG250T6X     | 35,000       | 41                   | 34             |
  - RG250S6X     | 40,000       | 52                   | 45             |

For models to the right please note recovery changes for LP.

Propylene 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.
## Residential Gas
### Atmospheric Vent High Input Models

**All Model Features**
- Hydrojet 2\(^{\text{TM}}\) Total Performance System
- Vitraglas\(^{\text{TM}}\) Lining
- Side Connections—3/4” (19mm)
- Non-CFC Foam Insulation
- Pedestal Base (RG250H6N / RG275H6N only)
- Water Connections
- Bradford White ICON System—Enhanced Performance
- Advanced Temperature Control System
- Intelligent Diagnostics
- Separate Immersed Thermowell
- Thermostatic Mixing Valve (ASSE Approved)—Included with RG155H6N only

**RG2100H6N**
- Hand Hole Cleanout (RG2100H6N only)
- Protective Magnesium Anode Rod
- 4" (107mm) “Snap Lock” Draft Diverter
- T&P Relief Valve
- Low Restrictive Brass Drain Valve

**All Model Features (except RG155H6N):**
- **Bradford White ICON System**
- Enhanced Performance
- Advanced Temperature Control System
- Intelligent Diagnostics
- Separate Immersed Thermowell

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”. RG155H6N not available as 10 year model. RG2100H6N model features hand hole cleanout.

### Atmospheric Vent High Input Models

**Dimensions in Inches**

#### NATURAL GAS MODELS

<table>
<thead>
<tr>
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</thead>
<tbody>
<tr>
<td>RG250H6N</td>
<td>48</td>
<td>46</td>
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<td>104</td>
<td>0.63</td>
<td>70</td>
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<td>60</td>
<td>22</td>
<td>4</td>
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<td>13</td>
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<td>57/8</td>
<td>26</td>
<td>13 1/2</td>
<td>49%</td>
<td>½</td>
<td>189</td>
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<td>72</td>
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<td>4</td>
<td>49%</td>
<td>14%</td>
<td>55%</td>
<td>8</td>
<td>57/8</td>
<td>25 1/2</td>
<td>15%</td>
<td>49%</td>
<td>½</td>
<td>210</td>
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<td>75</td>
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<td>76,000</td>
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<td>0.59</td>
<td>82</td>
<td>68</td>
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<td>4</td>
<td>57%</td>
<td>15%</td>
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<td>60/8</td>
<td>27/4</td>
<td>16%</td>
<td>57%</td>
<td>1</td>
<td>249</td>
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<td>RG2100H6N</td>
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<td>95</td>
<td>85,000</td>
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<td>77</td>
<td>71 1/2</td>
<td>28 1/4</td>
<td>4</td>
<td>59%</td>
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<td>17%</td>
<td>50%</td>
<td>1 1/4</td>
<td>413</td>
</tr>
</tbody>
</table>

* 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”. RG155H6N 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.

<table>
<thead>
<tr>
<th>Model Number</th>
<th>LP Gas Models</th>
<th>Input BTU/Hr.</th>
<th>Recovery 90°F Rise</th>
</tr>
</thead>
<tbody>
<tr>
<td>RG250H6X</td>
<td>61,000</td>
<td>56</td>
<td>66</td>
</tr>
<tr>
<td>RG155H6X</td>
<td>75,000</td>
<td>70</td>
<td>84</td>
</tr>
<tr>
<td>RG275H6X</td>
<td>76,000</td>
<td>68</td>
<td>82</td>
</tr>
<tr>
<td>RG2100H6X</td>
<td>88,000</td>
<td>79</td>
<td>95</td>
</tr>
</tbody>
</table>

*Based on manufacturer's rated recovery efficiency.

For above models please note recovery changes for LP.
### Residential Gas

**Direct Vent Models**

- 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
  - 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

#### Direct Vent Models

**DIMENSIONS IN INCHES**

<table>
<thead>
<tr>
<th>Model Number</th>
<th>Nominal Gal. Cap.</th>
<th>DOE Rated Storage Volume</th>
<th>Input BTU/hr.</th>
<th>1st Hour Rating (Gal.)</th>
<th>Uniform Energy Factor</th>
<th>U.S. Imp. GPH</th>
<th>GPH</th>
<th>Floor to C/L of Vent</th>
<th>Jacket Dia.</th>
<th>Vent Size I.D. O.D.</th>
<th>Floor to T&amp;P Conn.</th>
<th>Floor to Top of Heater</th>
<th>C/L of Water Conn.</th>
<th>Floor to Water Conn.</th>
<th>Depth</th>
<th>Floor to Space Heating Inlet</th>
<th>Floor to Space Heating Outlet</th>
<th>Approx. Shipping Weight (lbs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>RG2DV40S6N</td>
<td>40</td>
<td>38,000</td>
<td>72</td>
<td>0.59</td>
<td>41</td>
<td>34</td>
<td>63 1/2 min</td>
<td>22</td>
<td>3</td>
<td>5</td>
<td>43 1/2</td>
<td>15</td>
<td>50%</td>
<td>8</td>
<td>51 1/2</td>
<td>31</td>
<td>17</td>
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<tr>
<td>RG2DV50S6N</td>
<td>50</td>
<td>42,000</td>
<td>85</td>
<td>0.63</td>
<td>45</td>
<td>35</td>
<td>72 1/2 min</td>
<td>22</td>
<td>3</td>
<td>5</td>
<td>52 1/2</td>
<td>15</td>
<td>59%</td>
<td>11</td>
<td>60 1/2</td>
<td>31</td>
<td>15%</td>
<td></td>
</tr>
<tr>
<td>RG2DV50H6N</td>
<td>48</td>
<td>50,000</td>
<td>89</td>
<td>0.63</td>
<td>54</td>
<td>45</td>
<td>75 1/2 min</td>
<td>22</td>
<td>4</td>
<td>6</td>
<td>52 1/2</td>
<td>15</td>
<td>59%</td>
<td>8</td>
<td>60 1/2</td>
<td>31</td>
<td>15%</td>
<td></td>
</tr>
</tbody>
</table>

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.

RG2DV40S6N / RG2DV50S6N Solid Vent Kit: Part No. 239-51283-00.
RG2DV40S6X / RG2DV50S6X Flexible Vent Kit: Part No. 239-51284-00.
RG2DV50H6N Solid Vent Kit: Part No. 239-51286-00.
RG2DV50H6X 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” to 5” Part No. 239-41260-00
- Kit “B” Telescopes from 6” to 9” Part No. 239-41331-00
- Kit “C” Telescopes from 13” to 23” Part No. 239-41029-00
- Kit “D” Telescopes from 49” to 95” Part No. 239-41424-00

**RG2DV50H6N Optional Telescoping Solid Vent Kits:**

- Kit “F” Telescopes from 4” to 5” Part No. 239-42516-00
- Kit “G” Telescopes from 6” to 9” Part No. 239-42517-00
- Kit “H” Telescopes from 13” to 23” Part No. 239-42514-00
- Kit “I” Telescopes from 49” to 95” Part No. 239-42512-00

**LP GAS MODELS**

<table>
<thead>
<tr>
<th>Model Number</th>
<th>Input BTU/hr.</th>
<th>Recovery 90°F Rise*</th>
</tr>
</thead>
<tbody>
<tr>
<td>RG2DV40S6X</td>
<td>36,000</td>
<td>39</td>
</tr>
<tr>
<td>RG2DV50S6X</td>
<td>40,000</td>
<td>43</td>
</tr>
<tr>
<td>RG2DV50H6X</td>
<td>48,000</td>
<td>50</td>
</tr>
</tbody>
</table>

For above models please note recovery changes for LP.

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RPC-0617
High Efficiency eF Series® Power Vent Model 90%+ Thermal Efficiency

- 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

**Natural Gas and Liquid Propane Gas Models**

<table>
<thead>
<tr>
<th>Model Number</th>
<th>Nominal Gal. Cap.</th>
<th>DOE Rated Storage Volume</th>
<th>Input BTU/Hr.</th>
<th>1st Hour Rating (Gal.)</th>
<th>Uniform Energy Factor</th>
<th>U.S. GPH</th>
<th>Nat Imp. GPH</th>
<th>Floor to Vent Conn.</th>
<th>Floor to T&amp;P Conn.</th>
<th>Floor to Gas Conn.</th>
<th>Floor to Top of Heater</th>
<th>Floor to Water Conn.</th>
<th>Depth</th>
<th>Floor to Space Heating inlet</th>
<th>Floor to Space Heating Outlet</th>
<th>Approx. Shipping Weight (lbs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>RC2PV50H6N</td>
<td>50</td>
<td>49</td>
<td>76,000</td>
<td>131</td>
<td>0.79</td>
<td>93</td>
<td>77</td>
<td>67 1/4</td>
<td>24</td>
<td>2, 3 or 4</td>
<td>46 1/2</td>
<td>13 1/2</td>
<td>56 1/2</td>
<td>57 1/2</td>
<td>27 1/2</td>
<td>15 1/2</td>
</tr>
</tbody>
</table>

**Max. Equivalent Length**
- 2" Vent Pipe: 150 ft.
- 3" Vent Pipe: 120 ft.
- 4" Vent Pipe: 110 ft.
- 5" Vent Pipe: 105 ft.

**Min. Equivalent Length**
- 2" Vent Pipe: 7 ft.
- 3" Vent Pipe: 15 ft.
- 4" Vent Pipe: 15 ft.
- 5" Vent Pipe: 15 ft.

**Number of 90° Elbows**
- 1 elbow: 45 ft.
- 2 elbows: 115 ft.
- 3 elbows: 175 ft.

**90° Elbows**
- 1 elbow: 40 ft.
- 2 elbows: 110 ft.
- 3 elbows: 170 ft.

Subtract 5ft. for each additional 90° elbow.

† For high altitude installations, consult the installation instructions.
Residential Gas
Power Vent (TTW®) Models

- ENERGY STAR® Qualified—Some models
- Bradford White ICON System®
- Heat Traps
- Protective Magnesium Rod (RG1PV5SH6N has two)
- T&P Relief Valve
- Low Restrictive Brass Drain Valve
- Thermostatic Mixing Valve (ASSE Approved)
- Included with RG1PV5SH6N only
- 3/4" NPT Side Connections (RG2PV50H6N, RG1PV5SH6N, and RG2PV75H6N only)
- Vertical Venting
- Defender Safety System® featuring the patented advanced ScreenLok® Technology flame arrestor 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

<table>
<thead>
<tr>
<th>Number</th>
<th>Model</th>
<th>Cap.</th>
<th>DOE Rated Storage Volume</th>
<th>Input BTU/HR</th>
<th>1st Hour Rating (Gal.)</th>
<th>Uniform Energy Factor</th>
<th>Nat. U.S. GPH</th>
<th>Nat. Imp. GPH</th>
<th>Floor to Vent Conn.</th>
<th>Jacket Dia.</th>
<th>Vent Size</th>
<th>Floor to T&amp;P Conn.</th>
<th>Floor to Top of Heater</th>
<th>C/L of Water Conn.</th>
<th>Floor to Water Conn.</th>
<th>Depth</th>
<th>Floor to Space Heating Inlet</th>
<th>Floor to Space Heating Outlet</th>
<th>Approx. Shipping Weight (lbs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>40</td>
<td>RG1PV40H6N</td>
<td>40</td>
<td>40,000</td>
<td>71</td>
<td>0.63</td>
<td>43 36</td>
<td>57%</td>
<td>20</td>
<td>2 or 3</td>
<td>40</td>
<td>11½</td>
<td>47½</td>
<td>50</td>
<td>50</td>
<td>27½</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>140</td>
</tr>
<tr>
<td>50</td>
<td>RG1PV50H6N</td>
<td>50</td>
<td>40,000</td>
<td>83</td>
<td>0.67</td>
<td>43 36</td>
<td>58%</td>
<td>22</td>
<td>2 or 3</td>
<td>40</td>
<td>11½</td>
<td>48½</td>
<td>50</td>
<td>50</td>
<td>26½</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>166</td>
</tr>
<tr>
<td></td>
<td>RG2PV40H6N</td>
<td>40</td>
<td>40,000</td>
<td>71</td>
<td>0.68</td>
<td>43 36</td>
<td>66%</td>
<td>20</td>
<td>2 or 3</td>
<td>50</td>
<td>11½</td>
<td>56½</td>
<td>50</td>
<td>50</td>
<td>26½</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>146</td>
</tr>
<tr>
<td></td>
<td>RG2PV50H6N</td>
<td>50</td>
<td>40,000</td>
<td>83</td>
<td>0.69</td>
<td>43 36</td>
<td>66%</td>
<td>22</td>
<td>2 or 3</td>
<td>50</td>
<td>11½</td>
<td>56½</td>
<td>50</td>
<td>50</td>
<td>26½</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>173</td>
</tr>
<tr>
<td></td>
<td>RG2PV60H6N</td>
<td>48</td>
<td>65,000</td>
<td>106</td>
<td>0.71</td>
<td>70 58</td>
<td>66%</td>
<td>22</td>
<td>3 or 4</td>
<td>50½</td>
<td>11½</td>
<td>56½</td>
<td>50½</td>
<td>50</td>
<td>26½</td>
<td>13½</td>
<td>50½</td>
<td>187</td>
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<tr>
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<td>RG1PV55H6N</td>
<td>55</td>
<td>48,000</td>
<td>83</td>
<td>0.71</td>
<td>70 58</td>
<td>66%</td>
<td>22</td>
<td>3 or 4</td>
<td>47½½</td>
<td>11½</td>
<td>54½</td>
<td>50½</td>
<td>50</td>
<td>26½</td>
<td>13½</td>
<td>47½½</td>
<td>219</td>
<td></td>
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<tr>
<td></td>
<td>RG2PV55H6N</td>
<td>55</td>
<td>78,000</td>
<td>117</td>
<td>0.61</td>
<td>84 70</td>
<td>64½</td>
<td>22</td>
<td>3 or 4</td>
<td>51½</td>
<td>13½</td>
<td>59½</td>
<td>51½</td>
<td>50</td>
<td>30½</td>
<td>13½</td>
<td>51½</td>
<td>260</td>
<td></td>
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<tr>
<td></td>
<td>RG2PV75H6N</td>
<td>75</td>
<td>72,000</td>
<td>126</td>
<td>0.59</td>
<td>82 68</td>
<td>69½</td>
<td>26</td>
<td>3 or 4</td>
<td>51½</td>
<td>13½</td>
<td>59½</td>
<td>51½</td>
<td>50</td>
<td>30½</td>
<td>13½</td>
<td>51½</td>
<td>260</td>
<td></td>
</tr>
</tbody>
</table>

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 to “X”. For high altitude installations, consult the installation instructions.

Power Vent (TTW®) Models

DIMENSIONS IN INCHES

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

NATURAL GAS MODELS

<table>
<thead>
<tr>
<th>Model Number</th>
<th>Nominal Capacity</th>
<th>DOE Rated Storage Volume</th>
<th>Input BTU/HR</th>
<th>1st Hour Rating (Gal.)</th>
<th>Uniform Energy Factor</th>
<th>Nat. U.S. GPH</th>
<th>Nat. Imp. GPH</th>
<th>Floor to Vent Conn.</th>
<th>Jacket Dia.</th>
<th>Vent Size</th>
<th>Floor to T&amp;P Conn.</th>
<th>Floor to Top of Heater</th>
<th>C/L of Water Conn.</th>
<th>Floor to Water Conn.</th>
<th>Depth</th>
<th>Floor to Space Heating Inlet</th>
<th>Floor to Space Heating Outlet</th>
<th>Approx. Shipping Weight (lbs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>RG1PV40S6N</td>
<td>40</td>
<td>40,000</td>
<td>71</td>
<td>0.63</td>
<td>43 36</td>
<td>57%</td>
<td>20</td>
<td>2 or 3</td>
<td>40</td>
<td>11½</td>
<td>47½</td>
<td>50</td>
<td>50</td>
<td>27½</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>140</td>
</tr>
<tr>
<td>RG1PV50S6N</td>
<td>50</td>
<td>40,000</td>
<td>83</td>
<td>0.67</td>
<td>43 36</td>
<td>58%</td>
<td>22</td>
<td>2 or 3</td>
<td>40</td>
<td>11½</td>
<td>48½</td>
<td>50</td>
<td>50</td>
<td>26½</td>
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<td>N/A</td>
<td>N/A</td>
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<tr>
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<td>40</td>
<td>40,000</td>
<td>71</td>
<td>0.68</td>
<td>43 36</td>
<td>66%</td>
<td>20</td>
<td>2 or 3</td>
<td>50</td>
<td>11½</td>
<td>56½</td>
<td>50</td>
<td>50</td>
<td>26½</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>146</td>
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<tr>
<td>RG2PV60S6N</td>
<td>48</td>
<td>40,000</td>
<td>83</td>
<td>0.69</td>
<td>43 36</td>
<td>66%</td>
<td>22</td>
<td>2 or 3</td>
<td>50</td>
<td>11½</td>
<td>56½</td>
<td>50</td>
<td>50</td>
<td>25½</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>173</td>
</tr>
<tr>
<td>RG2PV75S6N</td>
<td>75</td>
<td>72,000</td>
<td>126</td>
<td>0.59</td>
<td>82 68</td>
<td>69½</td>
<td>26</td>
<td>3 or 4</td>
<td>51½</td>
<td>13½</td>
<td>59½</td>
<td>51½</td>
<td>50</td>
<td>30½</td>
<td>13½</td>
<td>51½</td>
<td>260</td>
<td></td>
</tr>
</tbody>
</table>

LP GAS MODELS

<table>
<thead>
<tr>
<th>Model Number</th>
<th>Input BTU/HR</th>
<th>LP U.S. GPH</th>
<th>LP Imp. GPH</th>
</tr>
</thead>
<tbody>
<tr>
<td>RG1PV40S6X</td>
<td>38,000</td>
<td>41</td>
<td>34</td>
</tr>
<tr>
<td>RG1PV50S6X</td>
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<td>38,000</td>
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<td>RG2PV50S6X</td>
<td>38,000</td>
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<td>RG2PV60S6X</td>
<td>40,000</td>
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<td>36</td>
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<td>RG2PV75S6X</td>
<td>50,000</td>
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<td>52</td>
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<td>RG1PV5SH6X</td>
<td>78,000</td>
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<tr>
<td>RG2PV7SH6X</td>
<td>75,500</td>
<td>81</td>
<td>67</td>
</tr>
</tbody>
</table>

For above models please note recovery changes for LP.
Residential Gas
Power Direct Vent Models

- ENERGY STAR® Qualified—Some models
- Bradford White ICON System®
  - Advanced 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

Power Direct Vent Models

Propane models feature a Titanium Stabilized Stainless Steel propane
Uniform Energy Factor and First Hour Rating are based on the latest AHRI
120 VAC Required for Power Venting / 120 VAC, 60HZ, 3.1 Amperes.
* Based on manufacturer’s rated recovery efficiency.
For 10 year model, change suffix “6” to “10”.

Directory listings.

NATURAL GAS MODELS

<table>
<thead>
<tr>
<th>Model Number</th>
<th>Nominal Gal. Cap.</th>
<th>DOE Rated Storage Volume</th>
<th>Input BTU/hr.</th>
<th>1st Hour Rating (Gal.)</th>
<th>Uniform Energy Factor</th>
<th>Nat U.S. GPH</th>
<th>Nat Imp. GPH</th>
<th>Floor to T&amp;P Conn.</th>
<th>Floor to Exhaust Outlet</th>
<th>Jacket Dia.</th>
<th>Vent Size</th>
<th>Floor to Gas Conn.</th>
<th>Floor to Top of Hester</th>
<th>C/L of Water Conn.</th>
<th>Floor to Water Conn.</th>
<th>Depth</th>
<th>Floor to Space Heating Inlet</th>
<th>Floor to Space Heating Outlet</th>
<th>Approx. Shipping Weight (lbs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>RG2PDV40S6N</td>
<td>40</td>
<td>38</td>
<td>40,000</td>
<td>71</td>
<td>0.68</td>
<td>43</td>
<td>36</td>
<td>59(1/4)%</td>
<td>22</td>
<td>2 or 3</td>
<td>42(1/4)</td>
<td>14</td>
<td>49(1/4)</td>
<td>50(1/4)</td>
<td>50(1/4)</td>
<td>30(1/4)</td>
<td>---</td>
<td>---</td>
<td>161</td>
</tr>
<tr>
<td>RG2PDV50S6N</td>
<td>50</td>
<td>48</td>
<td>40,000</td>
<td>83</td>
<td>0.71</td>
<td>43</td>
<td>36</td>
<td>60(1/4)%</td>
<td>24</td>
<td>2 or 3</td>
<td>43(1/4)</td>
<td>14</td>
<td>50(1/4)</td>
<td>60(1/4)</td>
<td>60(1/4)</td>
<td>51(1/4)</td>
<td>---</td>
<td>---</td>
<td>192</td>
</tr>
<tr>
<td>RG2PDV50H6N</td>
<td>48</td>
<td>46</td>
<td>60,000</td>
<td>95</td>
<td>0.69</td>
<td>65</td>
<td>54</td>
<td>69(1/2)%</td>
<td>22</td>
<td>3 or 4</td>
<td>52(1/4)</td>
<td>13(1/4)%</td>
<td>(except RG2PDV50H6N only)</td>
<td>---</td>
<td>80</td>
<td>38(1/4)</td>
<td>---</td>
<td>---</td>
<td>204</td>
</tr>
<tr>
<td>RG2PDV75H6N</td>
<td>75</td>
<td>72</td>
<td>80,000</td>
<td>126</td>
<td>0.59</td>
<td>86</td>
<td>72</td>
<td>68(1/2)%</td>
<td>26</td>
<td>3 or 4</td>
<td>51(1/4)</td>
<td>14</td>
<td>59(1/4)</td>
<td>70(1/4)</td>
<td>61(1/4)</td>
<td>35(1/4)</td>
<td>51(1/4)</td>
<td>29(1/4)</td>
<td>---</td>
</tr>
</tbody>
</table>

Propane models feature a Titanium Stabilized Stainless Steel propane burner. For Propane (LP) models change suffix “W” to “X”.
For 10 year model, change suffix “6” to “10”.
* 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

Power Direct Vent Models

DIMENSIONS IN INCHES

| NATURAL GAS MODELS | Recovery 90°F Rise* | A | B | C | D | E | F | G | H | J | K | L | M
|--------------------|----------------------|---|---|---|---|---|---|---|---|---|---|---|---|
| Model Number       | 20/21
| RG2PDV40S6N        | 40              | 38  | 40,000  | 71             | 0.68  | 43    | 36    | 59(1/4)% | 22 | 2 or 3 | 42(1/4)  | 14  | 49(1/4) | 50(1/4) | 30(1/4) | --- | --- | 161 |
| RG2PDV50S6N        | 50              | 48  | 40,000  | 83             | 0.71  | 43    | 36    | 60(1/4)% | 24 | 2 or 3 | 43(1/4)  | 14  | 50(1/4) | 60(1/4) | 51(1/4) | 32(1/4) | 30(1/4) | --- | 192 |
| RG2PDV50H6N        | 48              | 46  | 60,000  | 95             | 0.69  | 65    | 54    | 69(1/2)% | 22 | 3 or 4 | 52(1/4)  | 13(1/4)% | 11 | 67    | 60    | 30(1/4) | 15(1/4) | 52(1/4) | 204 |
| RG2PDV75H6N        | 75              | 72  | 80,000  | 126            | 0.59  | 86    | 72    | 68(1/2)% | 26 | 3 or 4 | 51(1/4)  | 14  | 59(1/4) | 70    | 61(1/4) | 35(1/4) | 51(1/4) | 291 |

For above models please note recovery changes for LP.
Manufactured Home Closed Combustion/Direct Vent Models

- 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

Residential Gas

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

79% Recovery Efficiency

DIMENSIONS IN INCHES

<table>
<thead>
<tr>
<th>Model Number</th>
<th>Nominal Gal. Cap.</th>
<th>DOE Rated Storage Volume</th>
<th>Input BTU/Hr.</th>
<th>1st Hour Rating (Gal.)</th>
<th>Uniform Energy Factor</th>
<th>U.S. GPH</th>
<th>Imp. GPH</th>
<th>Floor to Top of Heater</th>
<th>Jacket Dia.</th>
<th>Vent Size</th>
<th>Floor to T&amp;P Conn.</th>
<th>Floor to Gas Conn.</th>
<th>Floor to Cold Water Conn.</th>
<th>Floor to Hot Water Conn.</th>
<th>Approx. Shipping Weight (lbs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>RG2DVMH3OT6X</td>
<td>30</td>
<td>29</td>
<td>30,000</td>
<td>53</td>
<td>0.60</td>
<td>32</td>
<td>27</td>
<td>57⅜</td>
<td>18</td>
<td>3</td>
<td>50⅔</td>
<td>13⅔</td>
<td>22⅓</td>
<td>57½</td>
<td>119</td>
</tr>
<tr>
<td>RG2DVMH4OT6X</td>
<td>40</td>
<td>37</td>
<td>30,000</td>
<td>60</td>
<td>0.59</td>
<td>32</td>
<td>27</td>
<td>57⅜</td>
<td>20</td>
<td>3</td>
<td>50⅔</td>
<td>13⅔</td>
<td>22⅓</td>
<td>58</td>
<td>139</td>
</tr>
</tbody>
</table>

To order Natural Gas heaters change “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.

Optional Roof Jack Kits

<table>
<thead>
<tr>
<th>Part Number</th>
<th>A</th>
<th>B</th>
<th>Through The Roof Clearance</th>
</tr>
</thead>
<tbody>
<tr>
<td>239-37022-01</td>
<td>15&quot;</td>
<td>33&quot;</td>
<td>12&quot;</td>
</tr>
<tr>
<td>239-37022-02</td>
<td>33⅜&quot;</td>
<td>66&quot;</td>
<td>18&quot; / 32&quot;</td>
</tr>
<tr>
<td>239-37023-03</td>
<td>32⅜&quot;</td>
<td>74&quot;</td>
<td>32&quot; / 60&quot;</td>
</tr>
<tr>
<td>239-37024-04</td>
<td>50&quot;</td>
<td>109⅜&quot;</td>
<td>48&quot; / 90&quot;</td>
</tr>
</tbody>
</table>

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

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)
### Residential Gas
Manufactured Home Atmospheric Combustion Models

- Defender Safety System® featuring the patented Advanced ScreenLok® Technology flame arrestor design
  - Resettable Thermal Switch
  - Maintenance-Free
  - Sight Window
  - Pedestal Base
- Steel Tank
- T&P Relief Valve
- Low Restrictive Brass Drain Valve
- Design Certified by CSA International (formerly AGA/CGA).

---

**Manufactured Home Atmospheric Combustion Models**

**DIMENSIONS IN INCHES**

<table>
<thead>
<tr>
<th>Model Number</th>
<th>Nominal Gal. Cap.</th>
<th>DOE Rated Storage Volume</th>
<th>Input BTU/Hr.</th>
<th>1st Hour Rating (Gal.)</th>
<th>Uniform Energy Factor</th>
<th>U.S. GPH</th>
<th>Imp. GPH</th>
<th>Floor to Flue Conn.</th>
<th>Jacket Dia.</th>
<th>Vent Size</th>
<th>Floor to T&amp;P Conn.</th>
<th>Floor to Cold Water Conn.</th>
<th>Floor to Hot Water Conn.</th>
<th>Floor to Heater Top</th>
<th>Floor to Heater Top</th>
<th>Depth</th>
<th>Approx. Shipping Weight (lbs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>RG2MH30T6X</td>
<td>30</td>
<td>29</td>
<td>32,000</td>
<td>56</td>
<td>0.60</td>
<td>34</td>
<td>28</td>
<td>59½</td>
<td>18</td>
<td>3 x 4</td>
<td>50%</td>
<td>13</td>
<td>22½</td>
<td>57%</td>
<td>56½</td>
<td>20</td>
<td>118</td>
</tr>
<tr>
<td>RG2MH40T6X</td>
<td>40</td>
<td>37</td>
<td>34,000</td>
<td>58</td>
<td>0.60</td>
<td>37</td>
<td>31</td>
<td>59½</td>
<td>20</td>
<td>3 x 4</td>
<td>50%</td>
<td>13</td>
<td>22½</td>
<td>57%</td>
<td>56½</td>
<td>22</td>
<td>135</td>
</tr>
</tbody>
</table>

To order Natural Gas heaters change “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.

---

**Optional Roof Jack Kits**

<table>
<thead>
<tr>
<th>Part Number</th>
<th>A</th>
<th>B</th>
<th>Through The Roof Clearance</th>
</tr>
</thead>
<tbody>
<tr>
<td>239-37030-01</td>
<td>15”</td>
<td>18”</td>
<td>12”</td>
</tr>
<tr>
<td>239-37030-02</td>
<td>33½”</td>
<td>33½”</td>
<td>18” / 32”</td>
</tr>
<tr>
<td>239-37030-03</td>
<td>32½”</td>
<td>37½”</td>
<td>32” / 60”</td>
</tr>
<tr>
<td>239-37030-04</td>
<td>50”</td>
<td>54½”</td>
<td>48” / 90”</td>
</tr>
</tbody>
</table>

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

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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 CRF, Part 3280.
Residential Gas
Ultra Low NOx Atmospheric Vent Damper Models

- 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” x 4” “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)

Ultra Low NOx Atmospheric Vent Damper Models

**Nat. U.S. GPH**
- Input BTU/Hr.
- First Hour Rating (Gal.)
- Uniform Energy Factor
- Nat. S. GPH
- Nat. Imp. GPH
- Floor to Flue Conn.
- Jacket Dia.
- Vent Size
- Floor to T&P Conn.
- Floor to Gas Conn.
- Floor to Water Conn.
- Floor to Water Conn.
- Depth
- Approx. Shipping Weight (lbs)

**NATURAL GAS MODELS**

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
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<th></th>
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</thead>
<tbody>
<tr>
<td>URG1D30T6N</td>
<td>30</td>
<td>32,000</td>
<td>63</td>
<td>0.62</td>
<td>34</td>
<td>25</td>
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<td>16</td>
<td>3 x 4</td>
<td>49 1/4</td>
<td>11 1/4</td>
<td>56 1/2</td>
<td>57 1/2</td>
<td>20 1/4</td>
<td>120</td>
<td></td>
</tr>
<tr>
<td>URG1D40S6N</td>
<td>40</td>
<td>40,000</td>
<td>73</td>
<td>0.59</td>
<td>43</td>
<td>36</td>
<td>54 1/9</td>
<td>20</td>
<td>3 x 4</td>
<td>41 1/2</td>
<td>11 1/4</td>
<td>48 3/4</td>
<td>49 1/2</td>
<td>24 1/8</td>
<td>151</td>
<td></td>
</tr>
<tr>
<td>URG1D40T6N</td>
<td>40</td>
<td>40,000</td>
<td>75</td>
<td>0.64</td>
<td>43</td>
<td>36</td>
<td>63 1/9</td>
<td>18</td>
<td>3 x 4</td>
<td>50 1/4</td>
<td>11 1/4</td>
<td>56 1/2</td>
<td>57 1/2</td>
<td>22 1/4</td>
<td>138</td>
<td></td>
</tr>
<tr>
<td>URG1D50T6N</td>
<td>50</td>
<td>40,000</td>
<td>83</td>
<td>0.63</td>
<td>54</td>
<td>45</td>
<td>63 1/8</td>
<td>20</td>
<td>3 x 4</td>
<td>49 1/4</td>
<td>11 1/4</td>
<td>56 1/2</td>
<td>57 1/2</td>
<td>24 1/4</td>
<td>164</td>
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</tr>
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<td>40</td>
<td>38,000</td>
<td>70</td>
<td>0.64</td>
<td>40</td>
<td>33</td>
<td>52 1/2</td>
<td>22</td>
<td>3 x 4</td>
<td>49 1/4</td>
<td>11 1/4</td>
<td>48 3/4</td>
<td>48 3/4</td>
<td>26 1/4</td>
<td>159</td>
<td></td>
</tr>
<tr>
<td>URG2D50S6N</td>
<td>50</td>
<td>40,000</td>
<td>79</td>
<td>0.68</td>
<td>42</td>
<td>35</td>
<td>63 1/2</td>
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<td>3 x 4</td>
<td>49 1/4</td>
<td>11 1/4</td>
<td>56 1/2</td>
<td>58</td>
<td>26 1/4</td>
<td>172</td>
<td></td>
</tr>
</tbody>
</table>

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.
Residential Gas
Ultra Low NOx Atmospheric Vent Models

- 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 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

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 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

NATURAL GAS MODELS

<table>
<thead>
<tr>
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<th></th>
</tr>
</thead>
<tbody>
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<td>30</td>
<td>28</td>
<td>27,000</td>
<td>59</td>
<td>0.60</td>
<td>29</td>
<td>24</td>
<td>59 1/2</td>
<td>16</td>
<td>3 x 4</td>
<td>49 1/2 / 56 1/2</td>
<td>11 1/2</td>
<td>57 1/2</td>
<td>19 1/2</td>
<td>112</td>
</tr>
<tr>
<td>URG230T6N*</td>
<td>30</td>
<td>28</td>
<td>32,000</td>
<td>63</td>
<td>0.61</td>
<td>34</td>
<td>28</td>
<td>59 1/2</td>
<td>18</td>
<td>3 x 4</td>
<td>49 1/2 / 56 1/2</td>
<td>11 1/2</td>
<td>57 1/2</td>
<td>21 1/2</td>
<td>121</td>
</tr>
<tr>
<td>URG140T6N*</td>
<td>40</td>
<td>38</td>
<td>34,000</td>
<td>71</td>
<td>0.59</td>
<td>37</td>
<td>31</td>
<td>60 1/4</td>
<td>18</td>
<td>3 x 4</td>
<td>51 1/4 / 59 1/4</td>
<td>11 1/2</td>
<td>59 1/2</td>
<td>21 1/2</td>
<td>130</td>
</tr>
<tr>
<td>URG240T6N*</td>
<td>40</td>
<td>38</td>
<td>40,000</td>
<td>75</td>
<td>0.64</td>
<td>43</td>
<td>36</td>
<td>60 1/4</td>
<td>20</td>
<td>3 x 4</td>
<td>50 / 56 1/4</td>
<td>11 1/2</td>
<td>57 1/2</td>
<td>23 1/2</td>
<td>139</td>
</tr>
<tr>
<td>URG240S6N*</td>
<td>40</td>
<td>38</td>
<td>40,000</td>
<td>73</td>
<td>0.59</td>
<td>43</td>
<td>36</td>
<td>51 1/2</td>
<td>22</td>
<td>3 x 4</td>
<td>41 / 47 1/2</td>
<td>11 1/2</td>
<td>49 1/2</td>
<td>25 1/2</td>
<td>146</td>
</tr>
<tr>
<td>URG150T6N*</td>
<td>50</td>
<td>47</td>
<td>34,000</td>
<td>79</td>
<td>0.63</td>
<td>37</td>
<td>31</td>
<td>59 1/2</td>
<td>20</td>
<td>3 x 4</td>
<td>50 / 56 1/2</td>
<td>11 1/4</td>
<td>58</td>
<td>23 1/2</td>
<td>153</td>
</tr>
<tr>
<td>URG250T6N*</td>
<td>50</td>
<td>48</td>
<td>40,000</td>
<td>83</td>
<td>0.64</td>
<td>43</td>
<td>36</td>
<td>60 1/4</td>
<td>22</td>
<td>3 x 4</td>
<td>49 1/2 / 57</td>
<td>11 1/4</td>
<td>58 1/2</td>
<td>25 1/2</td>
<td>161</td>
</tr>
<tr>
<td>URG250S6N*</td>
<td>50</td>
<td>47</td>
<td>50,000</td>
<td>86</td>
<td>0.63</td>
<td>54</td>
<td>45</td>
<td>59 1/2</td>
<td>22</td>
<td>4</td>
<td>49 1/2 / 57</td>
<td>11 1/2</td>
<td>58 1/2</td>
<td>25 1/2</td>
<td>167</td>
</tr>
</tbody>
</table>

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.
Uniform Energy Factor and First Hour Rating are based on the latest AHRI directory listings.
(URG130T, URG140T, & URG150T available with top T&P location ONLY)
Ultra Low NOx Atmospheric Vent High Input Models

- 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 (URG250H6N only)
  - Digital Thermal Sensor and Resettable Thermal Switch (URG250H6N only)
- Defender Combustion Chamber (URG250H6N only)
- Ultra Low NOx Burner with Primary and Secondary Air Distribution Devices
- Hydrojet® Total Performance System
- Vitraglas® Lining
- Side Connections—3/4" NPT
- Non-GFC 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)

<table>
<thead>
<tr>
<th>Model Number</th>
<th>Nominal Gas Cap.</th>
<th>DOE Rated Storage Volume</th>
<th>Input BTU/HR.</th>
<th>1st Hour Rating (Gal.)</th>
<th>Uniform Energy Factor</th>
<th>Nat. U.S. GPH</th>
<th>Nat. Imp. GPH</th>
<th>Floor to Flue Conn.</th>
<th>Jacket Dia.</th>
<th>Vent Size</th>
<th>Floor to T&amp;P Conn.</th>
<th>Floor to Gas Conn.</th>
<th>Floor to Space Heating Return</th>
<th>Floor to Space Heating Outlet</th>
<th>Floor to Top of Heater</th>
<th>Floor to Water Conn.</th>
<th>Depth</th>
<th>C/L of Water Conn.</th>
<th>Approx. Shipping Weight (lbs)</th>
<th>NPT</th>
</tr>
</thead>
<tbody>
<tr>
<td>URG250H6N</td>
<td>48</td>
<td>46</td>
<td>55,000</td>
<td>90</td>
<td>0.63</td>
<td>59</td>
<td>49</td>
<td>60%/1</td>
<td>22</td>
<td>4</td>
<td>49%/1</td>
<td>11%/1</td>
<td>13%/1</td>
<td>49%/1</td>
<td>56%/1</td>
<td>57%/1</td>
<td>25%/1</td>
<td>11</td>
<td>¾</td>
<td>194</td>
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<tr>
<td>URG275H6N</td>
<td>75</td>
<td>72</td>
<td>76,000</td>
<td>126</td>
<td>0.59</td>
<td>62</td>
<td>68</td>
<td>64%/1</td>
<td>26</td>
<td>4</td>
<td>53%/1</td>
<td>15%/1</td>
<td>16%/1</td>
<td>53%/1</td>
<td>60%/1</td>
<td>61%/1</td>
<td>29%/1</td>
<td>11</td>
<td>1</td>
<td>286</td>
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<tr>
<td>URG2100H6N</td>
<td>100</td>
<td>95</td>
<td>85,000</td>
<td>137</td>
<td>0.57</td>
<td>92</td>
<td>77</td>
<td>72%/1</td>
<td>28%/4</td>
<td>4</td>
<td>60%/1</td>
<td>16%/1</td>
<td>18%/1</td>
<td>51%/1</td>
<td>66%/1</td>
<td>69%/1</td>
<td>31%/1</td>
<td>16</td>
<td>1 1/4</td>
<td>416</td>
</tr>
</tbody>
</table>

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.
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 arrestor design (except models above 75,000 BTU/Hr.)
  - Digital Thermal Sensor and Resettable Thermal Switch
  - Maintenance-Free
  - Sight Window
- Powerful Blower Motor
  - 10 ft. Power Cord Included (120 VAC)
- Horizontal and Vertical Venting
- 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)

Ultra Low NOx TTW® Power Vent Models

Recovery

90°F Rise* A B C D E F G H J


URG1PV40S6N 40 38 40,000 72 0.63 43 36 57% 20 2 or 3 40 11% 47½ 48½ 24½ 8 144
URG2PV40T6N 40 38 40,000 72 0.67 43 36 58% 22 2 or 3 40½ 11% 48½ 49½ 26½ 8 169
URG2PV50S6N 50 48 40,000 81 0.70 43 36 66% 20 2 or 3 49½ 11% 56½ 58 24½ 8 151
URG2PV50T6N 50 48 40,000 81 0.70 43 36 66% 22 2 or 3 49½ 11% 56½ 58 26½ 11 176
URG2PV50H6N 50 48 40,000 81 0.70 43 36 66% 22 2 or 3 49½ 11% 56½ 58 26½ 11 192
URG2PV75H6N 75 72 76,000 126 0.59 82 68 69½ 26 3 or 4 51½ 11½ 59½ 61 30½ 11 270

NATURAL GAS MODELS

DIMENSIONS IN INCHES

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

Max. Equivalent Length † 150 ft. 120 ft. 150 ft. 180 ft.
Min. Equivalent Length 7 ft. 15 ft. 7 ft. 15 ft.
Number of 1 45 ft. 115 ft. 45 ft. 175 ft.
90° Elbows 2 40 ft. 110 ft. 40 ft. 170 ft.
3 35 ft. 105 ft. 35 ft. 165 ft.

† For high altitude installations, consult the installation instructions.
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)

**Ultra Low NOx Power Direct Vent Models**

DIMENSIONS IN INCHES

<table>
<thead>
<tr>
<th>NATURAL GAS MODELS</th>
<th>Recovery 90°F Rise*</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>E</th>
<th>F</th>
<th>H</th>
<th>J</th>
<th>K</th>
<th>L</th>
<th>M</th>
<th>N</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Model Number</strong></td>
<td><strong>Nominal Gal. Cap.</strong></td>
<td><strong>DOE Rated Storage Volume</strong></td>
<td><strong>Input BTU/Hr.</strong></td>
<td><strong>1st Hour Rating (Gal.)</strong></td>
<td><strong>Uniform Energy Factor</strong></td>
<td><strong>Nat. U.S. GPH</strong></td>
<td><strong>Nat. Imp. GPH</strong></td>
<td><strong>Floor to Exhaust Outlet</strong></td>
<td><strong>Jacket Dia.</strong></td>
<td><strong>Vent Dia.</strong></td>
<td><strong>Floor to &amp; P Conn.</strong></td>
<td><strong>Floor to Top of Heater</strong></td>
<td><strong>Floor to Gas Conn.</strong></td>
</tr>
<tr>
<td>URG2PDV40S6N</td>
<td>40</td>
<td>38</td>
<td>40,000</td>
<td>72</td>
<td>0.67</td>
<td>43</td>
<td>36</td>
<td>22</td>
<td>2 or 3</td>
<td>42%</td>
<td>13%</td>
<td>59%</td>
<td>51</td>
</tr>
<tr>
<td>URG2PDV50S6N</td>
<td>50</td>
<td>48</td>
<td>40,000</td>
<td>81</td>
<td>0.70</td>
<td>43</td>
<td>36</td>
<td>59</td>
<td>2 or 3</td>
<td>43%</td>
<td>13%</td>
<td>50%</td>
<td>52</td>
</tr>
<tr>
<td>URG2PDV50S6N</td>
<td>48</td>
<td>48</td>
<td>50,000</td>
<td>85</td>
<td>0.68</td>
<td>64</td>
<td>45</td>
<td>67%</td>
<td>2 or 4</td>
<td>52%</td>
<td>13%</td>
<td>69%</td>
<td>60</td>
</tr>
</tbody>
</table>

* Based on manufacturer’s rated recovery efficiency.

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

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

78% Recovery Efficiency

Exhaust Length

Max. Intake Length

Max. Exhaust Length

Min. Vent Length

Number of

90° Elbows

Subtract 5 ft. for each additional 90° elbow.

Concentric Vent Kit Termination

IM INTAKE COMBUSTION AIR VENT EXHAUST

2" Kit

A (in.)

PIN 239-44069-02

3" Kit

A (in.)

PIN 239-44069-01

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**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
- Vitragna® Lining
- Cast Aluminum Air Intake Boot
- Side Connections—3/4” NPT (URG2DV50H6N only)

- 2” Non-CFC Foam Insulation
- Water Connections—3/4” NPT
- Low Restrictive Brass Drain Valve
- Design Certified by CSA International (formerly AGA and CGA).
- Meets or exceeds ASHRAE 90.1b (current standard) C.E.C. Listed

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**Ultra Low NOx Direct Vent Models**

**DIMENSIONS IN INCHES**

| Model Number | Nominal Gal. Cap. | DOE Rated Storage Volume | Input BTU/hr. | 1st Hour Rating (Gal.) | Uniform Energy Factor | Nat. U.S. Imp. GPH | Nat. Imp. GPH | Floor to C/L of Vent | Jacket Dia. | Vent Size LD. O.D. | Floor to T&P Conn. | Floor to Gas Conn. | Floor to Top of Heater | C/L of Water Conn. | Floor to Water Conn. | Floor to Space Heating Inlet | Floor to Space Heating Onlet | Approx. Shipping Weight (lbs) |
|--------------|------------------|--------------------------|--------------|------------------------|----------------------|---------------------|------------------|----------------------|--------------|-------------------|----------------------|----------------------|------------------------|------------------------|------------------------|------------------------|------------------------|
| URG2DV40S6N  | 40               | 38                       | 38,000       | 73                     | 0.59                 | 41                  | 34               | 63½/10 min           | 23           | 3                 | 5                    | 43¼                 | 15                     | 50¾                 | 8                      | 51½                   | 31½                   | 198                    |
| URG2DV50S6N  | 50               | 47                       | 38,000       | 80                     | 0.63                 | 41                  | 34               | 72½/10 min           | 22           | 3                 | 5                    | 52¼                 | 15                     | 59¾                 | 8                      | 60½                   | 31½                   | 221                    |
| URG2DV50H6N  | 48               | 46                       | 45,000       | 83                     | 0.63                 | 46                  | 38               | 75½/10 min           | 22           | 4                 | 6                    | 52¼                 | 15                     | 59¾                 | 11                     | 60½                   | 30½                   | 15½ 52¼                |

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.

**URG2DV40S6N / URG2DV50S6N Solid Vent Kit**: Part No. 239-51283-00. Weight: 17 lbs.

**URG2DV40S6N / URG2DV50S6N Flexible Vent Kit**: Part No. 239-51284-00. Weight: 11 lbs.

**URG2DV50H6N Solid Vent Kit**: Part No. 239-51286-00. Weight: 22 lbs.

**URG2DV50H6N Flexible Vent Kit**: Part No. 239-51287-00. Weight: 13 lbs.

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.

---

**URG2DV50S6N / URG2DV50H6N Optional Telescoping Solid Vent Kits**

<table>
<thead>
<tr>
<th>Kit</th>
<th>Description</th>
<th>Part No.</th>
<th>Weight (lbs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Kit &quot;A&quot;</td>
<td>Telescopes from 4½” to 5¼”</td>
<td>Part No. 239-41260-00</td>
<td></td>
</tr>
<tr>
<td>Kit &quot;B&quot;</td>
<td>Telescopes from 6½” to 9¼”</td>
<td>Part No. 239-41351-00</td>
<td></td>
</tr>
<tr>
<td>Kit &quot;C&quot;</td>
<td>Telescopes from 13½” to 23¾”</td>
<td>Part No. 239-41029-00</td>
<td></td>
</tr>
<tr>
<td>Kit &quot;D&quot;</td>
<td>Telescopes from 49½” to 95¾”</td>
<td>Part No. 239-41424-00</td>
<td></td>
</tr>
<tr>
<td>Kit &quot;F&quot;</td>
<td>Telescopes from 4½” to 5¼”</td>
<td>Part No. 239-42516-00</td>
<td></td>
</tr>
<tr>
<td>Kit &quot;G&quot;</td>
<td>Telescopes from 6½” to 9¼”</td>
<td>Part No. 239-42517-00</td>
<td></td>
</tr>
<tr>
<td>Kit &quot;H&quot;</td>
<td>Telescopes from 13½” to 23¾”</td>
<td>Part No. 239-42514-00</td>
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<tr>
<td>Kit &quot;I&quot;</td>
<td>Telescopes from 49½” to 95¾”</td>
<td>Part No. 239-42512-00</td>
<td></td>
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</tbody>
</table>
Residential Gas
Infiniti Tankless™ High Efficiency Models

- 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
- 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)

Infiniti Tankless™ High Efficiency Models

**DIMENSIONS IN INCHES**

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<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>RTG-199HE-N</td>
<td>Indoor / Outdoor*</td>
<td>19,900–199,000</td>
<td>3</td>
<td>4.2</td>
<td>0.91</td>
<td>0.5</td>
<td>140°F</td>
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</table>

<table>
<thead>
<tr>
<th>Model Number</th>
<th>Height</th>
<th>Width</th>
<th>Depth</th>
<th>Intake/Exhaust Center Line</th>
<th>Hot Water Outlet</th>
<th>Cold Water Inlet</th>
<th>Hot Water Outlet</th>
<th>Gas Conn.</th>
<th>Condensate Tee</th>
<th>Condensate Tee</th>
<th>Gas Conn.</th>
<th>Approx. Shipping Weight (lbs)</th>
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</thead>
<tbody>
<tr>
<td>RTG-199HE-N</td>
<td>30½&quot;</td>
<td>17½&quot;</td>
<td>10½&quot;</td>
<td>5½&quot;</td>
<td>6½&quot;</td>
<td>6½&quot;</td>
<td>6½&quot;</td>
<td>2½&quot;</td>
<td>2½</td>
<td>2½</td>
<td>2½</td>
<td>74</td>
</tr>
</tbody>
</table>

For Propane (LP) Models change suffix “N” to “X”.
Requires an electrical power supply from a 120VAC 60Hz properly rated receptacle and must be properly grounded. Power supply cord provided.

* Outdoor installation requires optional outdoor kit

**ENERGY STAR® Qualified.**

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**Page 38**

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**Page 39**
Residential Gas
Infiniti Tankless™ Mid Efficiency Models

- Featuring the SRT™ Scale Reduction Technology
- Vertical Modulating Burner Design
- Dual Fan Configuration
- Internal Turbulators
- Dual Heat Exchanger
- Built-In Digital Control
- 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)

Infiniti Tankless™ Mid Efficiency Models
DIMENSIONS IN INCHES

<table>
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<th></th>
<th></th>
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<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>RTG-199ME-N</td>
<td>Indoor / Outdoor*</td>
<td>19,900–199,000</td>
<td>3</td>
<td>3.7</td>
<td>0.84</td>
<td>0.5</td>
<td>140° F</td>
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<table>
<thead>
<tr>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>G</th>
<th>H</th>
<th>I</th>
<th>J</th>
<th>K</th>
<th>L</th>
<th>L</th>
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</thead>
<tbody>
<tr>
<td>309/16</td>
<td>1713/16</td>
<td>107/16</td>
<td>513/16</td>
<td>63/8</td>
<td>61/6</td>
<td>63/8</td>
<td>213/8</td>
<td>25/8</td>
<td>67</td>
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</tr>
</tbody>
</table>

For Propane (LP) Models change suffix “N” to “X”.
Requires an electrical power supply from a 120VAC 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

NATURAL GAS AND LIQUID PROPANE GAS MODELS

<table>
<thead>
<tr>
<th>3&quot; Venting</th>
<th>4&quot; Venting</th>
</tr>
</thead>
<tbody>
<tr>
<td>Max. Allowable Exhaust Vent Length</td>
<td>28.5 ft.</td>
</tr>
<tr>
<td>Max. Allowable Intake Vent Length</td>
<td>28.5 ft.</td>
</tr>
<tr>
<td>Combined Max. Allowable Vent</td>
<td>57.0 ft.</td>
</tr>
<tr>
<td>Elbow Equivalence 90°</td>
<td>5.0 ft.</td>
</tr>
<tr>
<td>Elbow Equivalence 45°</td>
<td>2.5 ft.</td>
</tr>
<tr>
<td>Max. Number of 90° Elbows</td>
<td>5</td>
</tr>
</tbody>
</table>

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RPC-0617
Residential Electric
Energy Saver Water Heaters

General Information
All models are ETL listed. All water connections are \( \frac{3}{4} \)" NPT true dielectric fittings. All electrical connections are \( \frac{3}{4} \)". 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).

(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 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, 20 and 30 gallon wall hung models is 6000W.

<table>
<thead>
<tr>
<th>Voltage</th>
<th>Designator</th>
<th>Wattage</th>
<th>Voltage</th>
<th>120V</th>
<th>208V</th>
<th>240V</th>
<th>277V</th>
<th>480V</th>
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<tr>
<td>1500W / 1500W</td>
<td>A</td>
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<td>yes</td>
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<td>yes</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2000W / 2000W</td>
<td>A</td>
<td>no</td>
<td>yes</td>
<td>yes</td>
<td>yes</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2500W / 2500W</td>
<td>A</td>
<td>no</td>
<td>yes</td>
<td>yes</td>
<td>yes</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3000W / 3000W</td>
<td>A</td>
<td>no</td>
<td>yes</td>
<td>yes</td>
<td>yes</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3500W / 3500W</td>
<td>A</td>
<td>no</td>
<td>yes</td>
<td>yes</td>
<td>yes</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4000W / 4000W</td>
<td>A</td>
<td>no</td>
<td>yes</td>
<td>yes</td>
<td>yes</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4500W / 4500W</td>
<td>A</td>
<td>no</td>
<td>yes</td>
<td>yes</td>
<td>yes</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>5000W / 5000W</td>
<td>A</td>
<td>no</td>
<td>yes</td>
<td>yes</td>
<td>yes</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>5500W / 5500W</td>
<td>A</td>
<td>no</td>
<td>yes</td>
<td>yes</td>
<td>yes</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>6000W / 6000W</td>
<td>A</td>
<td>no</td>
<td>yes</td>
<td>yes</td>
<td>yes</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

EX: RE3340T6-1NCWW

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

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

<table>
<thead>
<tr>
<th>Designator</th>
<th>J</th>
<th>K</th>
<th>L</th>
<th>M</th>
<th>N</th>
<th>P</th>
<th>R</th>
<th>S</th>
<th>T</th>
<th>W</th>
<th>X</th>
<th>Y</th>
<th>Z</th>
</tr>
</thead>
<tbody>
<tr>
<td>Watt</td>
<td>1000</td>
<td>1250</td>
<td>1500</td>
<td>2000</td>
<td>2500</td>
<td>3000</td>
<td>3500</td>
<td>3800</td>
<td>4000</td>
<td>4500</td>
<td>5000</td>
<td>5500</td>
<td>6000</td>
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</tbody>
</table>

EX: RE3340T6-1NCWW

For 240V and 280V operation (Dual rated elements show a value for both 240V and 280V)

<table>
<thead>
<tr>
<th>Designator</th>
<th>J</th>
<th>K</th>
<th>L</th>
<th>M</th>
<th>N</th>
<th>P</th>
<th>R</th>
<th>S</th>
<th>T</th>
<th>W</th>
<th>X</th>
<th>Y</th>
<th>Z</th>
<th>X**</th>
<th>Y**</th>
<th>Z**</th>
</tr>
</thead>
<tbody>
<tr>
<td>240V Wattage</td>
<td>1000</td>
<td>1250</td>
<td>1500</td>
<td>2000</td>
<td>2500</td>
<td>3000</td>
<td>3500</td>
<td>3800</td>
<td>4000</td>
<td>4500</td>
<td>5000</td>
<td>5500</td>
<td>6000</td>
<td>---</td>
<td>---</td>
<td>---</td>
</tr>
<tr>
<td>280V Wattage</td>
<td>---</td>
<td>---</td>
<td>1000</td>
<td>1500</td>
<td>2000</td>
<td>2500</td>
<td>3000</td>
<td>3500</td>
<td>4000</td>
<td>4500</td>
<td>5000</td>
<td>5500</td>
<td>5500</td>
<td>---</td>
<td>---</td>
<td>---</td>
</tr>
</tbody>
</table>

EX: RE3340T6-1NCWW, 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 5000, 5500 or 6000 watt.

† Available in non-simultaneous only.

Incoloy Element Availability Chart

<table>
<thead>
<tr>
<th>Watts</th>
<th>120V</th>
<th>208V</th>
<th>240V</th>
<th>277V</th>
</tr>
</thead>
<tbody>
<tr>
<td>1500W</td>
<td>yes</td>
<td>yes</td>
<td>yes</td>
<td>no</td>
</tr>
<tr>
<td>2000W</td>
<td>no</td>
<td>yes</td>
<td>yes</td>
<td>yes</td>
</tr>
<tr>
<td>2500W</td>
<td>no</td>
<td>yes</td>
<td>yes</td>
<td>yes</td>
</tr>
<tr>
<td>3000W</td>
<td>no</td>
<td>yes</td>
<td>yes</td>
<td>yes</td>
</tr>
<tr>
<td>3500W</td>
<td>no</td>
<td>yes</td>
<td>yes</td>
<td>yes</td>
</tr>
<tr>
<td>4000W</td>
<td>no</td>
<td>yes</td>
<td>yes</td>
<td>yes</td>
</tr>
<tr>
<td>4500W</td>
<td>no</td>
<td>yes</td>
<td>yes</td>
<td>yes</td>
</tr>
<tr>
<td>5000W</td>
<td>no</td>
<td>yes</td>
<td>yes</td>
<td>yes</td>
</tr>
<tr>
<td>5500W</td>
<td>no</td>
<td>yes</td>
<td>yes</td>
<td>yes</td>
</tr>
<tr>
<td>6000W</td>
<td>no</td>
<td>yes</td>
<td>yes</td>
<td>yes</td>
</tr>
</tbody>
</table>

** INCOLOY® element only.

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Residential Electric
AeroTherm™ Series Heat Pump Models

- 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
- Design Certified to NSF/ANSI 372 (Lead Content)
- Northern Climate Tier 3 Capable
- Optional Ducting Kit

AeroTherm™ Series Heat Pump Models
DIMENSIONS IN INCHES

<table>
<thead>
<tr>
<th>Electric Models</th>
<th>Recovery 90°F Rise*</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>E</th>
<th>F</th>
</tr>
</thead>
<tbody>
<tr>
<td>RE2H50R10B</td>
<td>50</td>
<td>45</td>
<td>64</td>
<td>3.24</td>
<td>21</td>
<td>18</td>
<td>59 1/8</td>
</tr>
<tr>
<td>RE2H80R10B</td>
<td>80</td>
<td>75</td>
<td>89</td>
<td>3.25</td>
<td>21</td>
<td>18</td>
<td>73 3/4</td>
</tr>
</tbody>
</table>

* Based on 4500/4000W, Non-Simultaneous Operation. Uniform Energy Factor and First Hour Rating are based on the latest AHRI directory listings.

Optional Ducting Kit: Part No. GVK8HS. 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.
### 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

---

#### Upright Models

**DIMENSIONS IN INCHES**

**ELECTRIC MODELS**

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>RE330S6</td>
<td>30</td>
<td>27</td>
<td>47</td>
<td>0.92</td>
<td>21</td>
<td>18</td>
<td>47</td>
<td>20</td>
<td>47¼</td>
<td>47¾</td>
<td>100</td>
</tr>
<tr>
<td>RE340S6</td>
<td>40</td>
<td>36</td>
<td>54</td>
<td>0.93</td>
<td>21</td>
<td>18</td>
<td>47</td>
<td>22</td>
<td>48¼</td>
<td>48½</td>
<td>114</td>
</tr>
<tr>
<td>RE350S6</td>
<td>50</td>
<td>45</td>
<td>63</td>
<td>0.93</td>
<td>21</td>
<td>18</td>
<td>47</td>
<td>24</td>
<td>59½</td>
<td>59½</td>
<td>138</td>
</tr>
<tr>
<td>RE340T6</td>
<td>40</td>
<td>36</td>
<td>54</td>
<td>0.93</td>
<td>21</td>
<td>18</td>
<td>47</td>
<td>22</td>
<td>48½</td>
<td>48½</td>
<td>125</td>
</tr>
<tr>
<td>RE350T6</td>
<td>50</td>
<td>45</td>
<td>63</td>
<td>0.93</td>
<td>21</td>
<td>18</td>
<td>47</td>
<td>24</td>
<td>59½</td>
<td>59½</td>
<td>138</td>
</tr>
<tr>
<td>RE250S6t</td>
<td>40</td>
<td>36</td>
<td>54</td>
<td>0.93</td>
<td>21</td>
<td>18</td>
<td>47</td>
<td>22</td>
<td>48½</td>
<td>48½</td>
<td>123</td>
</tr>
</tbody>
</table>

**Note:**
- 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”.

---

**Table:**

<table>
<thead>
<tr>
<th>Wattage Limitations for Simultaneous Operation</th>
<th>Wattage Limitations for Non-Simultaneous Operation</th>
<th>Recovery GPH Temperature Rise °F</th>
</tr>
</thead>
<tbody>
<tr>
<td>Voltage</td>
<td>Voltage</td>
<td>Voltage</td>
</tr>
<tr>
<td>120V</td>
<td>208V</td>
<td>240V</td>
</tr>
<tr>
<td>1500W</td>
<td>yes</td>
<td>yes</td>
</tr>
<tr>
<td>2000W</td>
<td>no</td>
<td>yes</td>
</tr>
<tr>
<td>2500W</td>
<td>no</td>
<td>yes</td>
</tr>
<tr>
<td>3000W</td>
<td>no</td>
<td>yes</td>
</tr>
<tr>
<td>3500W</td>
<td>no</td>
<td>yes</td>
</tr>
<tr>
<td>4000W</td>
<td>no</td>
<td>yes</td>
</tr>
<tr>
<td>4500W</td>
<td>no</td>
<td>yes</td>
</tr>
<tr>
<td>5000W</td>
<td>no</td>
<td>yes</td>
</tr>
<tr>
<td>5500W</td>
<td>no</td>
<td>yes</td>
</tr>
<tr>
<td>6000W</td>
<td>no</td>
<td>no</td>
</tr>
</tbody>
</table>

**Note:**
- (GPH based on Non-Simultaneous operation, when Simultaneous operation the GPH will approximately double.)
Residential Electric

- 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
- Vitrglas® 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

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

- 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.

†† All models feature side T&P location and must specify top T&P when ordering. "D" dimension listed as side/top.

### Lowboy Models

<table>
<thead>
<tr>
<th></th>
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<th></th>
<th></th>
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<th></th>
<th></th>
<th></th>
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<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>RE120L6**</td>
<td>19</td>
<td>—</td>
<td>—</td>
<td>—</td>
<td>21</td>
<td>18</td>
<td>24/8</td>
<td>18</td>
<td>25%</td>
<td>19 1/4 / 25%</td>
<td>65</td>
</tr>
<tr>
<td>RE130L6**</td>
<td>28</td>
<td>26</td>
<td>42</td>
<td>0.92</td>
<td>21</td>
<td>18</td>
<td>29 3/4</td>
<td>20</td>
<td>31 1/4</td>
<td>21 1/4 / 30%</td>
<td>99</td>
</tr>
<tr>
<td>RE230LN6</td>
<td>28</td>
<td>26</td>
<td>47</td>
<td>0.92</td>
<td>21</td>
<td>18</td>
<td>30</td>
<td>23</td>
<td>30%</td>
<td>23 3/4 / 30%</td>
<td>102</td>
</tr>
<tr>
<td>RE230L6**</td>
<td>28</td>
<td>26</td>
<td>46</td>
<td>0.92</td>
<td>21</td>
<td>18</td>
<td>29 3/4</td>
<td>22</td>
<td>30%</td>
<td>24 1/4 / 30%</td>
<td>108</td>
</tr>
<tr>
<td>RE240LN6</td>
<td>37</td>
<td>34</td>
<td>50</td>
<td>0.92</td>
<td>21</td>
<td>18</td>
<td>32</td>
<td>24 1/2</td>
<td>33 1/4</td>
<td>23 3/4 / 32 1/4</td>
<td>126</td>
</tr>
<tr>
<td>RE240L6**</td>
<td>38</td>
<td>35</td>
<td>54</td>
<td>0.93</td>
<td>21</td>
<td>18</td>
<td>32 3/4</td>
<td>24</td>
<td>33 1/4</td>
<td>24 1/4 / 33 1/4</td>
<td>140</td>
</tr>
<tr>
<td>RE250L6**</td>
<td>47</td>
<td>43</td>
<td>63</td>
<td>0.93</td>
<td>21</td>
<td>18</td>
<td>33 1/4</td>
<td>26</td>
<td>34 1/4</td>
<td>24 1/4 / 34 1/4</td>
<td>173</td>
</tr>
</tbody>
</table>

** 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.

†† All models feature side T&P location and must specify top T&P when ordering. "D" dimension listed as side/top.

Wattage Limitations for Simultaneous Operation

<table>
<thead>
<tr>
<th>Voltage</th>
<th>120V</th>
<th>208V</th>
<th>240V</th>
<th>277V</th>
<th>480V</th>
</tr>
</thead>
<tbody>
<tr>
<td>1500W</td>
<td>yes</td>
<td>yes</td>
<td>yes</td>
<td>yes</td>
<td>yes</td>
</tr>
<tr>
<td>2000W</td>
<td>no</td>
<td>yes</td>
<td>yes</td>
<td>yes</td>
<td>yes</td>
</tr>
<tr>
<td>2500W</td>
<td>no</td>
<td>yes</td>
<td>yes</td>
<td>yes</td>
<td>yes</td>
</tr>
<tr>
<td>3000W</td>
<td>no</td>
<td>yes</td>
<td>yes</td>
<td>yes</td>
<td>yes</td>
</tr>
<tr>
<td>3500W</td>
<td>no</td>
<td>yes</td>
<td>yes</td>
<td>yes</td>
<td>yes</td>
</tr>
<tr>
<td>4000W</td>
<td>no</td>
<td>yes</td>
<td>yes</td>
<td>yes</td>
<td>yes</td>
</tr>
<tr>
<td>4500W</td>
<td>no</td>
<td>yes</td>
<td>yes</td>
<td>yes</td>
<td>yes</td>
</tr>
<tr>
<td>5000W</td>
<td>no</td>
<td>yes</td>
<td>yes</td>
<td>yes</td>
<td>yes</td>
</tr>
<tr>
<td>5500W</td>
<td>no</td>
<td>yes</td>
<td>yes</td>
<td>yes</td>
<td>yes</td>
</tr>
<tr>
<td>6000W</td>
<td>no</td>
<td>yes</td>
<td>yes</td>
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<td>yes</td>
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</tbody>
</table>

Wattage Limitations for Non-Simultaneous Operation

<table>
<thead>
<tr>
<th>Voltage</th>
<th>120V</th>
<th>208V</th>
<th>240V</th>
<th>277V</th>
<th>480V</th>
</tr>
</thead>
<tbody>
<tr>
<td>1500W</td>
<td>yes</td>
<td>yes</td>
<td>yes</td>
<td>yes</td>
<td>yes</td>
</tr>
<tr>
<td>2000W</td>
<td>no</td>
<td>yes</td>
<td>yes</td>
<td>yes</td>
<td>yes</td>
</tr>
<tr>
<td>2500W</td>
<td>no</td>
<td>yes</td>
<td>yes</td>
<td>yes</td>
<td>yes</td>
</tr>
<tr>
<td>3000W</td>
<td>no</td>
<td>yes</td>
<td>yes</td>
<td>yes</td>
<td>yes</td>
</tr>
<tr>
<td>3500W</td>
<td>no</td>
<td>yes</td>
<td>yes</td>
<td>yes</td>
<td>yes</td>
</tr>
<tr>
<td>4000W</td>
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<td>yes</td>
<td>yes</td>
<td>yes</td>
<td>yes</td>
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<tr>
<td>4500W</td>
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<td>yes</td>
<td>yes</td>
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<td>yes</td>
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<tr>
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</tbody>
</table>

GPH Temperature Rise °F

<table>
<thead>
<tr>
<th>Wattage</th>
<th>60</th>
<th>80</th>
<th>90</th>
<th>100</th>
<th>120</th>
</tr>
</thead>
<tbody>
<tr>
<td>1500W</td>
<td>10</td>
<td>8</td>
<td>7</td>
<td>6</td>
<td>5</td>
</tr>
<tr>
<td>2000W</td>
<td>14</td>
<td>10</td>
<td>9</td>
<td>8</td>
<td>7</td>
</tr>
<tr>
<td>2500W</td>
<td>17</td>
<td>13</td>
<td>11</td>
<td>10</td>
<td>9</td>
</tr>
<tr>
<td>3000W</td>
<td>21</td>
<td>15</td>
<td>14</td>
<td>12</td>
<td>10</td>
</tr>
<tr>
<td>3500W</td>
<td>24</td>
<td>18</td>
<td>16</td>
<td>14</td>
<td>12</td>
</tr>
<tr>
<td>4000W</td>
<td>28</td>
<td>21</td>
<td>18</td>
<td>16</td>
<td>14</td>
</tr>
<tr>
<td>4500W</td>
<td>31</td>
<td>23</td>
<td>21</td>
<td>19</td>
<td>15</td>
</tr>
<tr>
<td>5000W</td>
<td>34</td>
<td>26</td>
<td>23</td>
<td>21</td>
<td>17</td>
</tr>
<tr>
<td>5500W</td>
<td>38</td>
<td>29</td>
<td>26</td>
<td>23</td>
<td>19</td>
</tr>
<tr>
<td>6000W</td>
<td>41</td>
<td>31</td>
<td>28</td>
<td>25</td>
<td>21</td>
</tr>
</tbody>
</table>

▲ (GPH based on Non-Simultaneous operation, when Simultaneous operation the GPH will approximately double.)
Residential Electric
Wall Hung Models

- 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

Wall Hung Models

Dimensions in Inches

ELECTRIC MODELS

<table>
<thead>
<tr>
<th>Model Number</th>
<th>Gal. Cap.</th>
<th>Nat U.S. GPH</th>
<th>Nat Imp. GPH</th>
<th>Height</th>
<th>Jacket Dia.</th>
<th>Wall to Front</th>
<th>Height to Bracket</th>
<th>Floor to T&amp;P Heater</th>
<th>Approx. Shipping Weight (lbs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>RE16W6†</td>
<td>6</td>
<td>7</td>
<td>6</td>
<td>10¾</td>
<td>14</td>
<td>14¾</td>
<td>11¾</td>
<td>11½</td>
<td>37</td>
</tr>
<tr>
<td>RE112W6</td>
<td>12</td>
<td>7</td>
<td>6</td>
<td>16¾</td>
<td>18</td>
<td>18¾</td>
<td>12¾</td>
<td>12½</td>
<td>54</td>
</tr>
<tr>
<td>RE120W6</td>
<td>19</td>
<td>7</td>
<td>6</td>
<td>24¾</td>
<td>18</td>
<td>18¾</td>
<td>21</td>
<td>21</td>
<td>67</td>
</tr>
</tbody>
</table>

† Maximum wattage at any voltage is 3000W.
For 10 year models, change suffix “6” to “10”.
Single element only.
* Based on 1500W operation.
Alternate Top Water Connections- 6 & 12 gallons.

Copper Screw Type Immersion Element
(Incoloy® type immersion element available upon request)
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
- Alternate Top Water Connections
- 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

Copper Screw Type Immersion Element

(INCOLOY® type immersion element available upon request)

Utility Models

DIMENSIONS IN INCHES

<table>
<thead>
<tr>
<th>ELECTRIC MODELS</th>
<th>Recovery 90°F Rise*</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>E</th>
<th>F</th>
<th>G</th>
</tr>
</thead>
<tbody>
<tr>
<td>Model Number</td>
<td>Gal. Cap.</td>
<td>U.S.* GPH</td>
<td>Imp.* GPH</td>
<td>Floor to Heater Top</td>
<td>Jacket Dia.</td>
<td>Floor to Hot Water Conn.</td>
<td>Floor to T&amp;P Conn.</td>
<td>Floor to Cold Water Conn.</td>
</tr>
<tr>
<td>RE16U6†</td>
<td>6</td>
<td>7</td>
<td>6</td>
<td>16 1/2</td>
<td>14</td>
<td>10 1/4</td>
<td>10 1/4</td>
<td>3 1/4</td>
</tr>
<tr>
<td>RE110U6</td>
<td>10</td>
<td>7</td>
<td>6</td>
<td>17 1/2</td>
<td>16</td>
<td>15</td>
<td>14</td>
<td>5 1/4</td>
</tr>
<tr>
<td>RE125U6†</td>
<td>12</td>
<td>7</td>
<td>6</td>
<td>27 1/2</td>
<td>14</td>
<td>21 1/4</td>
<td>21 1/4</td>
<td>3</td>
</tr>
<tr>
<td>RE115U6</td>
<td>15</td>
<td>7</td>
<td>6</td>
<td>20 1/2</td>
<td>18</td>
<td>17 1/4</td>
<td>16 1/4</td>
<td>6 1/4</td>
</tr>
<tr>
<td>RE120U6</td>
<td>19</td>
<td>7</td>
<td>6</td>
<td>24 1/2</td>
<td>18</td>
<td>18 1/4</td>
<td>18 1/4</td>
<td>3</td>
</tr>
</tbody>
</table>

† 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

<table>
<thead>
<tr>
<th>Wattage</th>
<th>1500W</th>
<th>2000W</th>
<th>2500W</th>
<th>3000W</th>
<th>3500W</th>
<th>4000W</th>
<th>4500W</th>
<th>5000W</th>
<th>5500W</th>
<th>6000W</th>
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<tbody>
<tr>
<td>Voltage</td>
<td>yes</td>
<td>yes</td>
<td>yes</td>
<td>yes</td>
<td>yes</td>
<td>yes</td>
<td>yes</td>
<td>yes</td>
<td>yes</td>
<td>yes</td>
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</tbody>
</table>

Recovery

<table>
<thead>
<tr>
<th>GPH Temperature Rise °F</th>
<th>Wattage Limits</th>
<th>Voltage</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>120V 208V 240V 277V 480V</td>
<td></td>
</tr>
<tr>
<td></td>
<td>yes yes yes yes yes</td>
<td></td>
</tr>
<tr>
<td>1500W</td>
<td>15 00W 10 9 8 7 6 5</td>
<td></td>
</tr>
<tr>
<td>2000W</td>
<td>20 00W 14 13 12 11 10 9</td>
<td></td>
</tr>
<tr>
<td>2500W</td>
<td>25 00W 17 16 15 14 13 12</td>
<td></td>
</tr>
<tr>
<td>3000W</td>
<td>30 00W 21 20 19 18 17 16</td>
<td></td>
</tr>
<tr>
<td>3500W</td>
<td>35 00W 24 23 22 21 20 19</td>
<td></td>
</tr>
<tr>
<td>4000W</td>
<td>40 00W 28 27 26 25 24 23</td>
<td></td>
</tr>
<tr>
<td>4500W</td>
<td>45 00W 31 30 29 28 27 26</td>
<td></td>
</tr>
<tr>
<td>5000W</td>
<td>50 00W 34 33 32 31 30 29</td>
<td></td>
</tr>
<tr>
<td>5500W</td>
<td>55 00W 38 37 36 35 34 33</td>
<td></td>
</tr>
<tr>
<td>6000W</td>
<td>60 00W 41 40 39 38 37 36</td>
<td></td>
</tr>
</tbody>
</table>
Residential Electric
Powerful Compact® Model

- 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

Powerful Compact® Model
DIMENSIONS IN INCHES
Meet or exceed ASHRAE 90.1b (current standard) CEC Listed

<table>
<thead>
<tr>
<th>ELECTRIC MODELS</th>
<th>Recovery 90°F Rise*</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>Approx. Shipping Weight (lbs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>RE1-2U</td>
<td>2</td>
<td>7</td>
<td>6</td>
<td>12 1/4</td>
<td>9 3/8</td>
</tr>
</tbody>
</table>

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.
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 Models (Single Phase)

**ELECTRIC**

<table>
<thead>
<tr>
<th>Model Number*</th>
<th>kW Rating</th>
<th>Voltage</th>
<th>AMPS</th>
<th>Temp. Rise °F 0.5 GPM</th>
<th>Temp. Rise °F 0.75 GPM</th>
<th>Temp. Rise °F 1.0 GPM</th>
<th>Temp. Rise °F 1.5 GPM</th>
<th>Temp. Rise °F 2.0 GPM</th>
</tr>
</thead>
<tbody>
<tr>
<td>ES-3000-1-S-10</td>
<td>3.0</td>
<td>120</td>
<td>25.0</td>
<td>41°</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ES-3500-1-S-10</td>
<td>3.5</td>
<td>120</td>
<td>29.0</td>
<td>48°</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ES-3500-4-S-10</td>
<td>4.1</td>
<td>240</td>
<td>14.6</td>
<td>56°</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ES-4100-2-S-10</td>
<td>4.1</td>
<td>208</td>
<td>19.7</td>
<td>56°</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ES-4100-5-S-10</td>
<td>4.1</td>
<td>277</td>
<td>14.8</td>
<td>56°</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ES-5500-4-S-10</td>
<td>5.5</td>
<td>240</td>
<td>22.9</td>
<td>48°</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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

**THERMOSTATIC**

<table>
<thead>
<tr>
<th>Model Number*</th>
<th>kW Rating</th>
<th>Voltage</th>
<th>AMPS</th>
<th>Temp. Rise °F 0.5 GPM</th>
<th>Temp. Rise °F 0.75 GPM</th>
<th>Temp. Rise °F 1.0 GPM</th>
<th>Temp. Rise °F 1.5 GPM</th>
</tr>
</thead>
<tbody>
<tr>
<td>EFT-7500-4-S-10</td>
<td>7.5</td>
<td>240</td>
<td>32.0</td>
<td>68°</td>
<td>51°</td>
<td>34°</td>
<td>25°</td>
</tr>
<tr>
<td>EFT-9500-4-S-10</td>
<td>9.5</td>
<td>240</td>
<td>40.0</td>
<td>86°</td>
<td>65°</td>
<td>43°</td>
<td>32°</td>
</tr>
</tbody>
</table>

* 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 94V0.
- Glass Reinforced “Fortron®” Heater
- Body and Ni Chrome Element
- Color: White
- Element: Replaceable cartridge insert
- Pipe-Fittings: 3/8” compression at top of unit

Specifications
Dimensions: 10.75” x 5.25” x 2.875”
Weight: 3 lbs.
Materials:
- Cover: ABS UL rated 94V0.
- Glass Reinforced “Fortron®” 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: E8687(M)
### Flow Controlled Models (Single Phase)

**DIMENSIONS IN INCHES**

**ELECTRIC**

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
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<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>EFTR-9500-4-D-10</td>
<td>19.0</td>
<td>240</td>
<td>2x40 Amps</td>
<td>87°</td>
<td>65°</td>
<td>43°</td>
<td>8 AWG Per Module</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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

---

### Series Three - Thermostatic Models (Single Phase)

**DIMENSIONS IN INCHES**

**ELECTRIC**

<table>
<thead>
<tr>
<th></th>
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<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>EFT-19000-4-D-10</td>
<td>19.0</td>
<td>240</td>
<td>3x40 Amps</td>
<td>96°</td>
<td>76°</td>
<td>65°</td>
<td>47°</td>
<td>8 AWG Per Module</td>
<td></td>
</tr>
</tbody>
</table>

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

---

### Series Three - Thermostatic Models (Three Phase)

**DIMENSIONS IN INCHES**

**ELECTRIC**

<table>
<thead>
<tr>
<th></th>
<th></th>
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<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>EFTR-18000-6-T-10</td>
<td>18.0</td>
<td>480</td>
<td>21.7 Amps</td>
<td>82°</td>
<td>61°</td>
<td>49°</td>
<td>41°</td>
<td>35°</td>
<td>32°</td>
<td>25°</td>
</tr>
<tr>
<td>EFTR-24000-6-T-10</td>
<td>24.0</td>
<td>480</td>
<td>28.9 Amps</td>
<td>—</td>
<td>82°</td>
<td>65°</td>
<td>54°</td>
<td>47°</td>
<td>41°</td>
<td>34°</td>
</tr>
<tr>
<td>EFTR-32000-6-T-10</td>
<td>32.0</td>
<td>480</td>
<td>38.5 Amps</td>
<td>—</td>
<td>—</td>
<td>87°</td>
<td>73°</td>
<td>62°</td>
<td>55°</td>
<td>45°</td>
</tr>
</tbody>
</table>

*Additional voltages and wattages are available. For more information, please consult factory.
Residential Solar
Double-Wall Gas Backup Models

- Heat Exchanger—Double-wall 1½" O.D. enamel coated (Vitraglas®) steel coil
- 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 arrester design (except models above 75,000 BTU/Hr.)
- Resettable Thermal Switch
- Maintenance-Free
- Sight Window
- Pedestal Base
- Backup Low NOx Burner
- Sensor Wires for Solar Thermistor Connections
- Hydrojet® Total Performance System
- Vitraglas® Lining

- 3/4" NPT Female Connections on Front for Supply and Return
- 2" Non-CFC Foam Insulation
- Potable Water Connections—3/4" NPT true dielectric fittings
- Two Protective Anode Rods
- T&P Relief Valve
- Low Restrictive Brass Drain Valve
- Thermostatic Mixing Valve (ASSE Approved)

EcoStor™ Double-Wall Gas Backup Models

Dimensions in Inches

NATURAL GAS MODELS

<table>
<thead>
<tr>
<th></th>
<th></th>
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<th></th>
<th></th>
<th></th>
<th></th>
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<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>S-DW2-504T6FBN</td>
<td>45</td>
<td>65,000</td>
<td>69</td>
<td>59¹⁄₄</td>
<td>22</td>
<td>4</td>
<td>50</td>
<td>11¹⁄₄</td>
<td>56</td>
<td>60</td>
<td>32¹⁄₄</td>
<td>10¹⁄₄</td>
<td>26</td>
<td>223</td>
</tr>
<tr>
<td>S-DW2-65T6FBN</td>
<td>60</td>
<td>65,000</td>
<td>63</td>
<td>63</td>
<td>24</td>
<td>4</td>
<td>53¹⁄₂</td>
<td>11¹⁄₂</td>
<td>59¹⁄₂</td>
<td>63¹⁄₄</td>
<td>32¹⁄₂</td>
<td>10¹⁄₂</td>
<td>28</td>
<td>264</td>
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<tr>
<td>S-DW2-75S6BN</td>
<td>70</td>
<td>76,000</td>
<td>62¹⁄₄</td>
<td>26</td>
<td>4</td>
<td>52</td>
<td>14¹⁄₄</td>
<td>59</td>
<td>62¹⁄₄</td>
<td>34¹⁄₄</td>
<td>12¹⁄₂</td>
<td>30¹⁄₄</td>
<td>306</td>
<td></td>
</tr>
</tbody>
</table>

* Based on manufacturer’s rated recovery efficiency.
Propane models feature a Titanium Stabilized Stainless Steel propane burner. For propane (LP) models change suffix “BN” to “SX”.

Heat Exchanger Pressure Drop Curve

LP GAS MODELS

<table>
<thead>
<tr>
<th>Model Number</th>
<th>Input BTU/Hr.</th>
<th>GPH Rec. 90°F Rise</th>
</tr>
</thead>
<tbody>
<tr>
<td>S-DW2-504T6FSX</td>
<td>61,000</td>
<td>65</td>
</tr>
<tr>
<td>S-DW2-65T6FSX</td>
<td>63,000</td>
<td>67</td>
</tr>
<tr>
<td>S-DW2-75S6SX</td>
<td>76,000</td>
<td>82</td>
</tr>
</tbody>
</table>

For above models please note recovery changes for LP.
Residential Solar
EcoStor2™ TTW® Power Vent Double-Wall Gas Backup Models

- Heat Exchanger—Double-wall 1½” O.D. enamelled coated (Vitraglas®) steel coil
- 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 (except models above 75,000 BTU/Hr.)
- Resettable Thermal Switch
- Maintenance-Free
- Sight Window
- Pedestal Base
- Backup Low NOx Burner
- Sensor Wires for Solar Thermistor Connections
- Horizontal and Vertical Venting
- High Efficiency Blower - 10 ft. Power Cord Included (120 VAC)

- Hydrojet® Total Performance System
- Vitraglas® Lining
- Supply and Return Connections—3/4” NPT

Solar Sensor Wire Junction Box
Solar Thermistor Wires, Gas Control Sensor Solar Thermistor Wires

NATURAL GAS MODELS

<table>
<thead>
<tr>
<th></th>
<th></th>
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<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>S-DW2-TW-50T6FBN</td>
<td>45</td>
<td>67,000</td>
<td>72</td>
<td>59 1/4</td>
<td>22</td>
<td>3 or 4</td>
<td>50</td>
<td>11 1/4</td>
<td>56</td>
<td>60</td>
<td>32 1/4</td>
<td>10 1/4</td>
<td>26</td>
<td>247</td>
</tr>
<tr>
<td>S-DW2-TW-65T6FBN</td>
<td>60</td>
<td>70,000</td>
<td>75</td>
<td>63</td>
<td>24</td>
<td>3 or 4</td>
<td>53 1/2</td>
<td>11 1/2</td>
<td>59 1/4</td>
<td>63 1/4</td>
<td>32 1/4</td>
<td>10 1/4</td>
<td>28</td>
<td>281</td>
</tr>
<tr>
<td>S-DW2-TW-75T6BN</td>
<td>70</td>
<td>76,000</td>
<td>82</td>
<td>62 1/8</td>
<td>26</td>
<td>4</td>
<td>52</td>
<td>14 1/4</td>
<td>59</td>
<td>62 1/4</td>
<td>34%</td>
<td>12 1/4</td>
<td>50</td>
<td>336</td>
</tr>
</tbody>
</table>

* Based on manufacturer’s rated recovery efficiency.
Propane models feature a Titanium Stabilized Stainless Steel propane burner. For propane (LP) models change suffix “BN” to “SX”.

LP GAS MODELS

<table>
<thead>
<tr>
<th>Model Number</th>
<th>Input BTU/Hr.</th>
<th>GPH Rec. 90°F Rise</th>
</tr>
</thead>
<tbody>
<tr>
<td>S-DW2-TW-50T6FSX</td>
<td>60,000</td>
<td>63</td>
</tr>
<tr>
<td>S-DW2-TW-65T6FSX</td>
<td>63,000</td>
<td>65</td>
</tr>
<tr>
<td>S-DW2-TW-75T6SX</td>
<td>75,500</td>
<td>81</td>
</tr>
</tbody>
</table>

For above models please note recovery changes for LP.

Heat Exchanger Pressure Drop Curve

Subtract 5ft. for each additional 90° elbow.
* S-DW2-TW-75 Max. 3” vent length is 50ft.
EcoStor™ Open Loop Gas Backup Models

- 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 (except models above 75,000 BTU/hr.)
- Resettable Thermal Switch
- Maintenance-Free
- Sight Window
- Pedestal Base
- Backup Low NOx Burner
- Hydrojet® Total Performance System
- Vitraglas® Lining
- 3/4" NPT Solar Collector Supply and Return Connections (No Internal Heat Exchanger)

- 2" Non-CFC Foam Insulation
- Potable Water Connections—3/4" NPT (65 gallon), 1" NPT (75 gallon) and 1 1/4" NPT (100 gallon) true dielectric fittings
- Protective Anode Rods—65 and 75 gallon models (1 Anode Rod), 100 gallon Model (2 Anode Rods)
- T&P Relief Valve
- Low Restrictive Brass Drain Valve
- Thermostatic Mixing Valve (ASSE Approved)

EcoStor™ Open Loop Gas Backup Models

**DIMENSIONS IN INCHES**

<table>
<thead>
<tr>
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<td>4</td>
<td>53 1/2</td>
<td>11 1/8</td>
<td>59 1/2</td>
<td>60 1/4</td>
<td>60 1/4</td>
<td>10 1/4</td>
<td>28</td>
<td>215</td>
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<td>S-2-75S6BN</td>
<td>75</td>
<td>76,000</td>
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<td>26</td>
<td>4</td>
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<td>14 1/8</td>
<td>59</td>
<td>59 1/2</td>
<td>59 1/2</td>
<td>12 1/8</td>
<td>30 1/4</td>
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<tr>
<td>S-2-100T6BN</td>
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<td>65 1/4</td>
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<td>67 1/2</td>
<td>17 1/4</td>
<td>32 1/4</td>
<td>400</td>
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</table>

* Based on manufacturer's rated recovery efficiency.

For above models please note recovery changes for LP.

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

**LP GAS MODELS**

<table>
<thead>
<tr>
<th>Model Number</th>
<th>Input BTU/hr.</th>
<th>GPH Rec. 90°F Rise</th>
</tr>
</thead>
<tbody>
<tr>
<td>S-2-65T6FSX</td>
<td>63,000</td>
<td>67</td>
</tr>
<tr>
<td>S-2-75S6SX</td>
<td>76,000</td>
<td>82</td>
</tr>
<tr>
<td>S-2-100T6SX</td>
<td>88,000</td>
<td>95</td>
</tr>
</tbody>
</table>

For above models please note recovery changes for LP.
Residential Solar
EcoStor™ TTW® Power Vent Open Loop Gas Backup Models

- 3/4" NPT Solar Collector Supply and Return Connections (No Internal Heat Exchanger)
- 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 (except models above 75,000 BTU/hr.)
- Flammable Vapor Sensor
- Maintenance-Free
- Sight Window
- Pedestal Base
- Backup Low NOx Burner
- Sensor Wires for Solar Thermistor Connections
- Horizontal and Vertical Venting
- High Efficiency Blower
- 10 ft. Power Cord Included (120 VAC)
- Hydrojet® Total Performance System

Vitraglas® Lining
2" Non-CFC Foam Insulation
Potable Water Connections—3/4" NPT true dielectric fittings
Two Protective Anode Rods
T&P Relief Valve
Low Restrictive Brass Drain Valve
Thermostatic Mixing Valve (ASSE Approved)

EcoStor™ TTW® Power Vent Open Vent Gas Backup Models

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

DIMENSIONS IN INCHES

<table>
<thead>
<tr>
<th>NATURAL GAS MODELS</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>E</th>
<th>F</th>
<th>G</th>
<th>H</th>
<th>J</th>
<th>K</th>
<th>Approx. Shipping Weight (lbs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>S-2-TW65T6FBN</td>
<td>65</td>
<td>70,000</td>
<td>75</td>
<td>63</td>
<td>24</td>
<td>3</td>
<td>53½</td>
<td>11½</td>
<td>59½</td>
<td>60½</td>
<td>32½</td>
</tr>
<tr>
<td>S-2-TW75T6BN</td>
<td>75</td>
<td>76,000</td>
<td>82</td>
<td>62½</td>
<td>26</td>
<td>3</td>
<td>52</td>
<td>14½</td>
<td>59</td>
<td>59½</td>
<td>34½</td>
</tr>
</tbody>
</table>

* Based on manufacturer’s rated recovery efficiency.

Propane models feature a Titanium Stabilized Stainless Steel propane burner. For propane (LP) models change suffix “BN” to “SX”.

LP GAS MODELS

<table>
<thead>
<tr>
<th>Input BTU/HR.</th>
<th>GPH Rec. 90°F Rise</th>
</tr>
</thead>
<tbody>
<tr>
<td>S-2-TW65T6FSX</td>
<td>63,000</td>
</tr>
<tr>
<td>S-2-TW75T6SX</td>
<td>75,500</td>
</tr>
</tbody>
</table>

For above models please note recovery changes for LP.

Subtract 5ft. for each additional 90° elbow.

S-2-TW-75 Max. 3" vent length is 50 ft. (15.24 m).
Residential Solar

EcoStor2™ SC Ultra Low NOx Double-Wall Gas Backup Models

- Heat Exchanger—Double-wall 1 1/2” O.D. enamel coated (Vitraglas®) steel coil
- 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 arrestor design
  - Digital Thermal Sensor
  - Maintenance-Free
  - Sight Window
  - Pedestal Base
- Backup Ultra Low NOx Burner
- Sensor Wires for Solar Thermistor Connections
- Hydrojet® Total Performance System
- Vitraglas® Lining
- Supply and Return Connections—3/4” NPT
- 2” Non-CFC Foam Insulation
- Potable Water Connections—3/4” NPT true dielectric fittings
- Two Protective Anode Rods
- T&P Relief Valve
- Low Restrictive Brass Drain Valve
- Complies with the Latest Ultra-Low NOx Requirements (10 ng / J NOx limit)
- Thermostatic Mixing Valve (ASSE Approved)


table

<table>
<thead>
<tr>
<th>Model Number</th>
<th>Gal. Cap</th>
<th>Input BTU/hr.</th>
<th>GPH Recovery</th>
<th>90°F Rise</th>
<th>Floor to Flue Conn</th>
<th>Floor to T&amp;P Conn</th>
<th>Floor to Gas Conn</th>
<th>Floor to Gas Conn</th>
<th>Floor to Water Conn</th>
<th>Floor to Water Conn</th>
<th>Floor to Solar Collector Supply</th>
<th>Floor to Solar Collector Return</th>
<th>Depth</th>
<th>Approx. Shipping Weight (lbs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>S-DW4-U5036FRN</td>
<td>45</td>
<td>40,000</td>
<td>43</td>
<td>59 1/4</td>
<td>22</td>
<td>3</td>
<td>50</td>
<td>11 1/8</td>
<td>56 1/4</td>
<td>60</td>
<td>32 1/4</td>
<td>10 1/8</td>
<td>26</td>
<td>233</td>
</tr>
<tr>
<td>S-DW2-U65T6FRN</td>
<td>60</td>
<td>55,000</td>
<td>57</td>
<td>63</td>
<td>24</td>
<td>4</td>
<td>53 1/2</td>
<td>11 5/8</td>
<td>59 1/2</td>
<td>63 1/4</td>
<td>32 1/4</td>
<td>10 1/8</td>
<td>28</td>
<td>272</td>
</tr>
</tbody>
</table>

* Based on manufacturer’s rated recovery efficiency.
Complies with the latest ultra-low NOx requirement (10 ng/J NOx limit).
Available in Natural Gas Only.

EcoStor2™ Ultra Low NOx Double-Wall Gas Backup Models

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

DIMENSIONS IN INCHES

- Heat Exchanger Pressure Drop Curve

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Residential Solar
EcoStor™ Dual Coil Heat Exchanger Backup Models

- Dual Coil Design—A single-wall heat exchanger is located in the upper portion of the tank. A double wall heat exchanger is located in the lower portion of the tank.
- Applications—Dual heat exchangers located inside the tank may be connected to a variety of different heating systems.
- Sensor Wires for Solar Thermistor Connections
- Hydrojet® Total Performance System
- Vitraglas® Lining
- Supply and Return Connections—1” NPT upper coil, 3/4” NPT lower coil
- 2” Non-CFC Foam Insulation

- Potable Water Connections—3/4” NPT true dielectric fittings extend water heater life and eases installation.
- Two Protective Anode Rods
- T&P Relief Valve
- Low Restrictive Brass Drain Valve
- Thermostatic Mixing Valve (ASSE Approved)

EcoStor™ Dual Coil Heat Exchanger Backup Models

<table>
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<tr>
<th></th>
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<tbody>
<tr>
<td>S-DC-DW2-55R6SW</td>
<td>55</td>
<td>59 1/4</td>
<td>22</td>
<td>62 1/4</td>
<td>53</td>
<td>56</td>
<td>37 1/2</td>
<td>27 1/2</td>
<td>5%</td>
<td>282</td>
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<tr>
<td>S-DC-DW2-70R6SW</td>
<td>70</td>
<td>59 1/4</td>
<td>24</td>
<td>62 1/4</td>
<td>53</td>
<td>56</td>
<td>37 1/2</td>
<td>27 1/2</td>
<td>5%</td>
<td>313</td>
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<tr>
<td>S-DC-DW2-110R6SW</td>
<td>110</td>
<td>62 1/2</td>
<td>28 1/4</td>
<td>66</td>
<td>55 1/4</td>
<td>57 1/4</td>
<td>38 1/4</td>
<td>27 1/2</td>
<td>5%</td>
<td>442</td>
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</table>

Meet or exceed ASHRAE 90.1b (current standard)

Heat Exchanger Pressure Drop Curve

Flow Rate (GPM) vs. Pressure Drop (PSI) vs. Head Loss (ft. w.c.)

- Single-wall (Upper Coil)
- Double-wall (Lower Coil)

S-DC-DW2-55R6SW
Residential Solar

EcoStor™ SC Single-Wall Electric Backup Models

- Heat Exchanger—Single-wall 1 1/2” O.D. enamel coated (Vitraglas®) steel coil
- Supplied Sensor Wires for Solar Thermistor Connections
- Integrated Mixing Device
- Element Backup—Single or dual 4500W heating elements - Optional 5500W
- Hydrojet® Total Performance System
- Vitraglas® Lining
- 1” NPT Female Connections on Front for Supply and Return
- Potable Water Connections—3/4” NPT true dielectric fittings
- 2” Non-CFC Foam Insulation
- Two Protective Anode Rods
- T&P Relief Valve
- Low Restrictive Brass Drain Valve
- Thermostatic Mixing Valve (ASSE Approved)

EcoStor™ Single-Wall Electric Backup Models

DIMENSIONS IN INCHES

Meet or exceed ASHRAE 90.1b (current standard)

<table>
<thead>
<tr>
<th>SOLAR MODELS</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>E</th>
<th>F</th>
</tr>
</thead>
<tbody>
<tr>
<td>S-SW2-60R6DS</td>
<td>60</td>
<td>59 1/4</td>
<td>22</td>
<td>63 1/4</td>
<td>53</td>
<td>29 1/2</td>
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<td>S-SW2-75R6DS</td>
<td>75</td>
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<td>S-SW2-115R6DS</td>
<td>115</td>
<td>62 1/4</td>
<td>28 1/4</td>
<td>66 1/4</td>
<td>55 1/4</td>
<td>29 1/2</td>
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For single element models change “D” to “S”. (Ex. S-SW2-60R6$S$)

<table>
<thead>
<tr>
<th>Electric Backup Water Heating Ratings</th>
</tr>
</thead>
<tbody>
<tr>
<td>Model Number</td>
</tr>
<tr>
<td>--------------</td>
</tr>
<tr>
<td>S-SW2-60R6DS</td>
</tr>
<tr>
<td>S-SW2-75R6DS</td>
</tr>
<tr>
<td>S-SW2-115R6DS</td>
</tr>
</tbody>
</table>

For single element models change “D” to “S”. (Ex. S-SW2-60R6$S$)
Residential Solar
EcoStor 2™ Double-Wall Electric Backup Models

- Heat Exchanger—Double-wall
  1½" O.D. enamel coated (Vitraglas®)
  steel coil
- Supplied Sensor Wires for Solar
  Thermistor Connections
- Element Backup—Single or dual
  4500W heating elements - Optional
  5500W
- Hydrojet® Total Performance System
- Vitraglas® Lining
- 3/4" NPT Female Connections on Front
  for Supply and Return
- Potable Water Connections—
  3/4" NPT true dielectric fittings
- 2" Non-CFC Foam Insulation
- Two Protective Anode Rods
- T&P Relief Valve
- Low Restrictive Brass Drain Valve
- Thermostatic Mixing Valve
  (ASSE Approved)

EcoStor2™ Double-Wall Electric Backup Models

Meet or exceed ASHRAE 90.1b (current standard)

**DIMENSIONS IN INCHES**

<table>
<thead>
<tr>
<th>SOLAR MODELS</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>E</th>
<th>F</th>
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<tbody>
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<td>S-DW2-60R6DS</td>
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<td>59½</td>
<td>22</td>
<td>63¼</td>
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<td>S-DW2-75R6DS</td>
<td>75</td>
<td>59½</td>
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<td>63¼</td>
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<td>29½</td>
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<td>S-DW2-115R6DS</td>
<td>115</td>
<td>62½</td>
<td>28¼</td>
<td>66¼</td>
<td>55¼</td>
<td>29½</td>
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</tbody>
</table>

For single element models change “D” to “S”.
(Ex. S-DW2-60R6S)

**Heat Exchanger Pressure Drop Curve**

<table>
<thead>
<tr>
<th>Flow Rate (GPM)</th>
<th>Pressure Drop (PSID)</th>
<th>Heat Exchanger Pressure Drop Curve</th>
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<tbody>
<tr>
<td>0.00</td>
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<td>2.00</td>
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**Electric Backup Water Heating Ratings**

<table>
<thead>
<tr>
<th>Model Number</th>
<th>First Hour Supply (Gal.)</th>
<th>Single Element</th>
<th>Dual Element</th>
<th>Standby Heat Loss Rating (°F/HR)</th>
</tr>
</thead>
<tbody>
<tr>
<td>S-DW2-60R6DS</td>
<td>46</td>
<td>84</td>
<td>1.1</td>
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<td>S-DW2-75R6DS</td>
<td>53</td>
<td>97</td>
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<td>S-DW2-115R6DS</td>
<td>83</td>
<td>124</td>
<td>0.7</td>
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</tr>
</tbody>
</table>

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### Residential Solar

#### Solar Saver® Electric Backup Models

- 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
- Consult Factory for Other Wattages
- T&P Relief Valve
- Low Restrictive Brass Drain Valve

#### Dimensions in Inches

**SOLAR MODELS**

<table>
<thead>
<tr>
<th></th>
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<tbody>
<tr>
<td>MS65R6SS</td>
<td>65</td>
<td>59</td>
<td>22</td>
<td>60</td>
<td>52/₃</td>
<td>—</td>
<td>—</td>
<td>168</td>
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<tr>
<td>MS80R6SS†</td>
<td>80</td>
<td>59</td>
<td>24</td>
<td>60</td>
<td>52/₃</td>
<td>38</td>
<td>7/₈</td>
<td>210</td>
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<tr>
<td>MS120R6SS†</td>
<td>119</td>
<td>62/₃</td>
<td>28</td>
<td>63/₃</td>
<td>56</td>
<td>38/₄</td>
<td>7/₈</td>
<td>310</td>
</tr>
</tbody>
</table>

**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.
Residential Gas
Combi1™ Single-Wall Atmospheric Models

- 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 Combi1™ Models Feature:
- Enhanced Performance
- Advanced Temperature Control System
- Intelligent Diagnostics
- Separate Immersed Thermowell
- Heat Exchanger—Single-wall 1 1⁄2” O.D. enamel coated (Vitraglas®) 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
- Vitraglas® Lining
- Hydrojet® Total Performance System
- Water Connections – 3/4” NPT true dielectric fittings
- 2” Non-CFC Foam Insulation
- Two Protective Anode Rods
- T&P Relief Valve
- Low Restrictive Brass Drain Valve
- Thermostatic Mixing Valve (ASSE Approved)

Combi1™ Atmospheric Vent Model

Dimensions in Inches

<table>
<thead>
<tr>
<th>NATURAL GAS MODELS</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>E</th>
<th>F</th>
<th>G</th>
<th>H</th>
<th>J</th>
<th>K</th>
<th>Approx. Shipping Weight (lbs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Model Number</td>
<td>Gal. Cap.</td>
<td>Input BTU/Hr.</td>
<td>GPH Recovery 90°F Rise*</td>
<td>Floor to Flue Conn.</td>
<td>Jacket Dia.</td>
<td>Vent Size</td>
<td>Floor to T&amp;P Conn.</td>
<td>Floor to Gas Conn.</td>
<td>Floor to Exchanger Inlet</td>
<td>Floor to Exchanger Outlet</td>
<td>Floor to Top of Heater</td>
</tr>
<tr>
<td>C-SW2-504T10FSX</td>
<td>65,000</td>
<td>66</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>C-SW2-75T10FSX</td>
<td>76,000</td>
<td>81</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>C-SW2-504T10FBN</td>
<td>45</td>
<td>65,000</td>
<td>70</td>
<td>59 1/4</td>
<td>22</td>
<td>4</td>
<td>50</td>
<td>13</td>
<td>31 1/4</td>
<td>50</td>
<td>56 1/2</td>
</tr>
<tr>
<td>C-SW2-75T10FBN</td>
<td>72</td>
<td>76,000</td>
<td>81</td>
<td>62 1/4</td>
<td>26</td>
<td>4</td>
<td>51 1/4</td>
<td>13 1/4</td>
<td>29 1/4</td>
<td>51 1/2</td>
<td>59</td>
</tr>
</tbody>
</table>

* 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 Values*

<table>
<thead>
<tr>
<th>Supply Temperature</th>
<th>C-SW2-504T</th>
<th>C-SW2-504T</th>
<th>C-SW2-75T</th>
</tr>
</thead>
<tbody>
<tr>
<td>140°F</td>
<td>120°F</td>
<td>100°F</td>
<td>120°F</td>
</tr>
<tr>
<td>120°F</td>
<td>100°F</td>
<td>80°F</td>
<td>100°F</td>
</tr>
<tr>
<td>20°F</td>
<td>20°F</td>
<td>20°F</td>
<td>20°F</td>
</tr>
<tr>
<td>Flow Rate</td>
<td>4.1 GPM</td>
<td>4.6 GPM</td>
<td>4.6 GPM</td>
</tr>
<tr>
<td>Net Output</td>
<td>35,500 BTU/Hr.</td>
<td>39,500 BTU/Hr.</td>
<td>39,500 BTU/Hr.</td>
</tr>
</tbody>
</table>

* These values were obtained using 180°F stored tank temperature.

Heat Exchanger Head Loss

<table>
<thead>
<tr>
<th>GPM</th>
<th>2</th>
<th>5</th>
<th>8</th>
<th>10</th>
<th>12</th>
</tr>
</thead>
<tbody>
<tr>
<td>Feet of Head Loss</td>
<td>0.03</td>
<td>0.20</td>
<td>0.51</td>
<td>0.80</td>
<td>1.15</td>
</tr>
</tbody>
</table>

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

CAEF is .55 and CAAPLUE % is 80.0.

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

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**Residential Gas**

Combi1™ TTW® Single-Wall Power Vent Models

- 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 Combi1™ TTW® Models Feature:

- Bradford White ICON System™
  - Enhanced Performance
  - Advanced Temperature Control System
  - Intelligent Diagnostics
  - Separate Immersed Thermowell
- Heat Exchanger—Single-wall 1 1⁄2" 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
- Hydrojet® Total Performance System
- Horizontal and Vertical Venting
- Water Connections—3⁄4" 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)

---

### NATURAL GAS MODELS

<table>
<thead>
<tr>
<th>Model Number</th>
<th>Gal. Cap.</th>
<th>Input BTU/HR.</th>
<th>GPH Recovery 90°F Rise*</th>
<th>Floor to Vent Conn.</th>
<th>Jacket Dia.</th>
<th>Vent Size</th>
<th>Floor to T&amp;P Conn.</th>
<th>Floor to Gas Conn.</th>
<th>Floor to Exchanger Inlet</th>
<th>Floor to Exchanger Outlet</th>
<th>Floor to Top of Heater</th>
<th>Floor to Top Water Conn.</th>
<th>Depth</th>
<th>Approx. Shipping Weight (lbs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>C-SW2-TW50T10FBN</td>
<td>45</td>
<td>67,000</td>
<td>72</td>
<td>65°F</td>
<td>22</td>
<td>3 or 4</td>
<td>50°F</td>
<td>11°F</td>
<td>31 1⁄2</td>
<td>50</td>
<td>56°F</td>
<td>60°F</td>
<td>64 1⁄4</td>
<td>26 1⁄2</td>
</tr>
<tr>
<td>C-SW2-TW50T10BN</td>
<td>72</td>
<td>76,000</td>
<td>82</td>
<td>68°F</td>
<td>26</td>
<td>3 or 4</td>
<td>53</td>
<td>34°F</td>
<td>53</td>
<td>60°F</td>
<td>64°F</td>
<td>31</td>
<td>313</td>
<td></td>
</tr>
</tbody>
</table>

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 V.A.G. Required for Power Venting / 120 V.A.C., 60Hz, 3.1 Amperes.

---

### Heat Exchanger Head Loss

<table>
<thead>
<tr>
<th>GPM</th>
<th>Ft. of Hd. Loss</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>0.03</td>
</tr>
<tr>
<td>5</td>
<td>0.20</td>
</tr>
<tr>
<td>8</td>
<td>0.51</td>
</tr>
<tr>
<td>10</td>
<td>0.80</td>
</tr>
<tr>
<td>12</td>
<td>1.15</td>
</tr>
</tbody>
</table>

* 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%.

---

### LP GAS MODELS

<table>
<thead>
<tr>
<th>Model Number</th>
<th>Input BTU/HR.</th>
<th>GPH Rec. 90°F Rise</th>
</tr>
</thead>
<tbody>
<tr>
<td>C-SW2-TW50T10FSX</td>
<td>60,000</td>
<td>65</td>
</tr>
<tr>
<td>C-SW2-TW50T10SX</td>
<td>75,500</td>
<td>81</td>
</tr>
</tbody>
</table>

For above models please note recovery changes for LP.

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RPC-0617
Residential Gas
Combi2™ Double-Wall Atmospheric Models

- 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
  - Separate Immersed Thermowell
- Heat Exchanger—Double-wall 1¼" 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—3/4" NPT true dielectric fittings
- 3/4" 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)

Combi2™ Double-Wall Atmospheric Models

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

NATURAL GAS MODELS

<table>
<thead>
<tr>
<th>Model Number</th>
<th>Gal. Cap.</th>
<th>Input BTU/Hr.</th>
<th>GPH Recovery 90°F Rise*</th>
<th>Floor to Flue Conn.</th>
<th>Jacket Dia.</th>
<th>Vent Size</th>
<th>Floor to T&amp;P Conn.</th>
<th>Floor to Gas Conn.</th>
<th>Floor to Exchanger Inlet</th>
<th>Floor to Exchanger Outlet</th>
<th>Floor to Top of Heater</th>
<th>Floor to Top Water Conn.</th>
<th>Depth</th>
<th>Approx. Shipping Weight (lbs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>C-DW2-504T10FBN</td>
<td>45</td>
<td>65,000</td>
<td>70</td>
<td>59 1/4</td>
<td>22</td>
<td>4</td>
<td>50</td>
<td>13</td>
<td>27 1/8</td>
<td>50</td>
<td>56 1/4</td>
<td>60 1/8</td>
<td>24 1/2</td>
<td>238</td>
</tr>
<tr>
<td>C-DW2-75T10BN</td>
<td>72</td>
<td>76,000</td>
<td>81</td>
<td>62 1/4</td>
<td>26</td>
<td>4</td>
<td>51 1/4</td>
<td>13 1/8</td>
<td>29 1/8</td>
<td>51 1/4</td>
<td>59</td>
<td>63</td>
<td>30 1/8</td>
<td>302</td>
</tr>
</tbody>
</table>

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.
CAEF is .55 and GAFUEL % is 80.0.

Heat Exchanger Values*

<table>
<thead>
<tr>
<th>Supply Temperature</th>
<th>140°F</th>
<th>120°F</th>
<th>100°F</th>
</tr>
</thead>
<tbody>
<tr>
<td>Return Temperature</td>
<td>120°F</td>
<td>100°F</td>
<td>80°F</td>
</tr>
<tr>
<td>Differential</td>
<td>20°F</td>
<td>20°F</td>
<td>20°F</td>
</tr>
<tr>
<td>Flow Rate</td>
<td>2.3 GPM</td>
<td>3.4 GPM</td>
<td>4.4 GPM</td>
</tr>
<tr>
<td>Net Output</td>
<td>20,000 BTU/Hr.</td>
<td>29,000 BTU/Hr.</td>
<td>38,000 BTU/Hr.</td>
</tr>
</tbody>
</table>

* 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.

LP GAS MODELS

<table>
<thead>
<tr>
<th>Model Number</th>
<th>Input BTU/Hr.</th>
<th>GPH Recovery 90°F Rise</th>
</tr>
</thead>
<tbody>
<tr>
<td>C-DW2-504T10FSX</td>
<td>61,000</td>
<td>66</td>
</tr>
<tr>
<td>C-DW2-75T10SX</td>
<td>76,000</td>
<td>81</td>
</tr>
</tbody>
</table>

For above models please note recovery changes for LP.

Heat Exchanger Head Loss

<table>
<thead>
<tr>
<th>GPM</th>
<th>Feet of Head Loss</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>0.15</td>
</tr>
<tr>
<td>5</td>
<td>0.94</td>
</tr>
<tr>
<td>8</td>
<td>2.40</td>
</tr>
<tr>
<td>10</td>
<td>3.75</td>
</tr>
<tr>
<td>12</td>
<td>5.40</td>
</tr>
</tbody>
</table>

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# Combi2™ TTW® Double-Wall Power Vent Models

- 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 (Vitraglas®) 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
- Varies with less than 6 ft. of Head Loss
- Bradford White ICON System™
- 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

**LP GAS MODELS**

<table>
<thead>
<tr>
<th>Model Number</th>
<th>Model Description</th>
<th>Input BTU/Hr.</th>
<th>GPH Rec. 90°F Rise*</th>
</tr>
</thead>
<tbody>
<tr>
<td>C-DW2-TW50T10FSX</td>
<td></td>
<td>60,000</td>
<td>65</td>
</tr>
<tr>
<td>C-DW2-TW75T10FSX</td>
<td></td>
<td>75,500</td>
<td>81</td>
</tr>
</tbody>
</table>

* Based on manufacturer’s rated recovery efficiency.
** C-DW2-TW75T10FSX maximum 3” vent length is 50ft.
* C-DW2-TW75 maximum 3” vent length is 50ft.

---

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

### NATURAL GAS MODELS

<table>
<thead>
<tr>
<th>Model Number</th>
<th>Gal.</th>
<th>Input BTU/Hr.</th>
<th>GPH Recovery 90°F Rise*</th>
<th>Floor to Vent Conn.</th>
<th>Jacket Dia.</th>
<th>Vent Size</th>
<th>Floor to T&amp;P Conn.</th>
<th>Floor to Gas Conn.</th>
<th>Floor to Exchanger Inlet</th>
<th>Floor to Exchanger Outlet</th>
<th>Floor to Top of Heater</th>
<th>Floor to Top Water Conn.</th>
<th>Approx. Shipping Weight (lbs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>C-DW2-TW50T10FBN</td>
<td>45</td>
<td>67,000</td>
<td>65°F</td>
<td>2 3 or 4</td>
<td>50°F</td>
<td>11½”</td>
<td>28</td>
<td>50°F</td>
<td>30½”</td>
<td>53</td>
<td>60°F</td>
<td>64°F</td>
<td>26¾”</td>
</tr>
<tr>
<td>C-DW2-TW75T10BN</td>
<td>72</td>
<td>76,000</td>
<td>68½°F</td>
<td>26 3 or 4</td>
<td>53</td>
<td>15</td>
<td>53</td>
<td>56°F</td>
<td>64½”</td>
<td>31</td>
<td>315</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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.

** C-DW2-TW75T10FSX maximum 3” vent length is 50ft.

### Heat Exchanger Head Loss

<table>
<thead>
<tr>
<th>GPM</th>
<th>Ft. of Hd. Loss</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>0.15</td>
</tr>
<tr>
<td>5</td>
<td>0.94</td>
</tr>
<tr>
<td>8</td>
<td>2.40</td>
</tr>
<tr>
<td>10</td>
<td>3.75</td>
</tr>
<tr>
<td>12</td>
<td>5.40</td>
</tr>
</tbody>
</table>

* 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.
Residential
PowerStor Series® Single-Wall Indirect Models

- Heat Exchanger—Single-wall 1 ½" O.D. enamel coated (Vitraglas®) steel coil
- Vitraglas® Lining
- Hydrojet® Total Performance System
- Water Connections—3/4" 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)

**Doe Water Heater Performance**

<table>
<thead>
<tr>
<th>Model Number</th>
<th>Gallon Capacity</th>
<th>Floor to Heater Top</th>
<th>Jacket Dia.</th>
<th>Floor to T&amp;P Conn.</th>
<th>Floor to Water Conn.</th>
<th>Floor to Exchanger Outlet</th>
<th>Floor to Exchanger Inlet</th>
<th>Floor to Aquastat</th>
<th>Approx. Shipping Weight (lbs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>SW-2-30-L</td>
<td>29</td>
<td>33/8</td>
<td>22</td>
<td>34/8</td>
<td>5/4</td>
<td>27/4</td>
<td>11/2</td>
<td>1/2</td>
<td>164</td>
</tr>
<tr>
<td>SW-2-40R-L</td>
<td>37</td>
<td>41/4</td>
<td>22</td>
<td>34/8</td>
<td>5/4</td>
<td>27/4</td>
<td>11/2</td>
<td>1/2</td>
<td>195</td>
</tr>
<tr>
<td>SW-2-50R-L</td>
<td>43</td>
<td>46/4</td>
<td>22</td>
<td>40/4</td>
<td>5/4</td>
<td>27/4</td>
<td>11/2</td>
<td>1/2</td>
<td>225</td>
</tr>
<tr>
<td>SW-2-65-L</td>
<td>57</td>
<td>59/4</td>
<td>22</td>
<td>53/4</td>
<td>5/4</td>
<td>27/4</td>
<td>11/2</td>
<td>1/2</td>
<td>250</td>
</tr>
<tr>
<td>SW-2-80-L</td>
<td>71</td>
<td>59</td>
<td>24</td>
<td>52/4</td>
<td>5/4</td>
<td>27/4</td>
<td>11/2</td>
<td>1/2</td>
<td>300</td>
</tr>
</tbody>
</table>

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

**Ahri Water Heater Ratings**

<table>
<thead>
<tr>
<th>Model Number</th>
<th>First Hour Delivery</th>
<th>Continuous Draw Rating @ 135°F (Gal./Hr.)</th>
<th>Standby Heat Loss Rating (°F/Hr.)</th>
<th>Heat Req. Rate (BTU/Hr.)</th>
<th>Heat Source Flow Rate (Gal./Min.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>SW-2-30-L</td>
<td>255</td>
<td>235</td>
<td>1.2</td>
<td>157,000</td>
<td>13.7</td>
</tr>
<tr>
<td>SW-2-40R-L</td>
<td>261</td>
<td>235</td>
<td>1.1</td>
<td>157,000</td>
<td>13.7</td>
</tr>
<tr>
<td>SW-2-50R-L</td>
<td>265</td>
<td>235</td>
<td>0.9</td>
<td>157,000</td>
<td>13.7</td>
</tr>
<tr>
<td>SW-2-65-L</td>
<td>275</td>
<td>235</td>
<td>0.7</td>
<td>157,000</td>
<td>13.7</td>
</tr>
<tr>
<td>SW-2-80-L</td>
<td>295</td>
<td>235</td>
<td>0.6</td>
<td>157,000</td>
<td>13.7</td>
</tr>
<tr>
<td>SW-2-120-L</td>
<td>325</td>
<td>235</td>
<td>0.4</td>
<td>157,000</td>
<td>13.7</td>
</tr>
</tbody>
</table>

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.
Residential
PowerStor2™ Series® Double-Wall Indirect Models

- Heat Exchanger—Double-wall 1 1/2” 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—3/4” 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)

Residential PowerStor2™ Series® Double-Wall Indirect Models

DIMENSIONS IN INCHES

<table>
<thead>
<tr>
<th>Model Number</th>
<th>Gallon Capacity</th>
<th>Floor to Heater Top</th>
<th>Jacket Dia.</th>
<th>Floor to T&amp;P Conn.</th>
<th>Floor to Water Conn.</th>
<th>Floor to Boiler Return</th>
<th>Floor to Boiler Supply</th>
<th>Floor to Thermostat</th>
<th>Approx. Shipping Weight (lbs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>DW-2-40-L</td>
<td>37</td>
<td>41</td>
<td>22</td>
<td>34 1/4</td>
<td>41 1/4</td>
<td>5%</td>
<td>27 1/2</td>
<td>11 1/2</td>
<td>195</td>
</tr>
<tr>
<td>DW-2-50-L</td>
<td>43</td>
<td>46 1/4</td>
<td>22</td>
<td>40 1/4</td>
<td>47 1/4</td>
<td>5%</td>
<td>27 1/2</td>
<td>11 1/2</td>
<td>205</td>
</tr>
<tr>
<td>DW-2-65-L</td>
<td>57</td>
<td>59</td>
<td>22</td>
<td>53 1/4</td>
<td>60</td>
<td>5%</td>
<td>27 1/2</td>
<td>11 1/2</td>
<td>235</td>
</tr>
<tr>
<td>DW-2-80-L</td>
<td>71</td>
<td>59</td>
<td>24</td>
<td>52 1/4</td>
<td>59 1/4</td>
<td>5%</td>
<td>27 1/2</td>
<td>11 1/2</td>
<td>255</td>
</tr>
</tbody>
</table>

AHRI Water Heater Ratings

<table>
<thead>
<tr>
<th>Model Number</th>
<th>First Hour Delivery</th>
<th>Continuous Draw Rating @ 135°F (Gal./Hr.)</th>
<th>Standby Heat Loss Rating (°F/Hr.)</th>
<th>Minimum Heat Req. Rate (BTU/Hr.)</th>
<th>Minimum Heat Source Flow Rate (Gal./Min.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>DW-2-40-L</td>
<td>123</td>
<td>98</td>
<td>1.1</td>
<td>65,000</td>
<td>8.0</td>
</tr>
<tr>
<td>DW-2-50-L</td>
<td>133</td>
<td>98</td>
<td>0.9</td>
<td>65,000</td>
<td>8.0</td>
</tr>
<tr>
<td>DW-2-65-L</td>
<td>148</td>
<td>98</td>
<td>0.7</td>
<td>65,000</td>
<td>8.0</td>
</tr>
<tr>
<td>DW-2-80-L</td>
<td>156</td>
<td>98</td>
<td>0.6</td>
<td>65,000</td>
<td>8.0</td>
</tr>
</tbody>
</table>

DOE Water Heater Performance

<table>
<thead>
<tr>
<th>Model Number</th>
<th>Maximum First Hour Rating (Gal.) @ 140°F</th>
<th>Continuous Draw Rating (Gal./Min.) @ 140°F</th>
<th>Approximate Boiler Output Needed For Ratings (BTU/Hr.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>DW-2-40-L</td>
<td>80</td>
<td>0.9</td>
<td>1.6</td>
</tr>
<tr>
<td>DW-2-50-L</td>
<td>87</td>
<td>0.9</td>
<td>1.8</td>
</tr>
<tr>
<td>DW-2-65-L</td>
<td>96</td>
<td>0.9</td>
<td>1.8</td>
</tr>
<tr>
<td>DW-2-80-L</td>
<td>106</td>
<td>0.9</td>
<td>1.6</td>
</tr>
</tbody>
</table>

Note: Based on 200°F boiler water temperature and 50°F potable water inlet temperature.
Residential
PowerStor Series® SS Stainless Steel Single-Wall Indirect Models

- 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 Honeywell Aquastat—Fast acting immersion aquastat for automatic temperature control
- Supply and Return Connections—3/4” NPT female connections are located on the front for both the Boiler Supply and Boiler Return (1” NPT on RTV-119)
- 2” Non-CFC Foam Insulation
- Potable Water Connections—3/4” NPT dielectric fittings extend water heater life and eases installation (1½” NPT on RTV-119)
- T&P Relief Valve
- Low Restrictive Brass Drain Valve
- AHRI Certified

Notes:
1) Inlet water temperature based on 50°F.
2) RTV-119 supplied with 2 extra plugged tappings (see manual).
   Height to top spare plug is 413⁄4”.
   Height to bottom spare plug is 17.”
3) RTV-119 equipped with steel casing.
   All potable water connections are 3/4” NPT (1½” on RTV-119).
   3/4” Aquastat tapping.
   3/4” T&P valve tapping.

AHRI Water Heater Ratings

<table>
<thead>
<tr>
<th>Model Number</th>
<th>First Hour Delivery</th>
<th>Continuous Draw @ 135°F (Gal./Hr.)</th>
<th>Standby Heat Loss Rating (“F/Hr.”)</th>
<th>Min. Heat Required Rate (BTU/Hr.)</th>
<th>Min. Heat Source Flow Rate (Gal./Min.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>RTV-40-L</td>
<td>158</td>
<td>133</td>
<td>0.9</td>
<td>88,000</td>
<td>8.0</td>
</tr>
<tr>
<td>RTV-52-L</td>
<td>200</td>
<td>165</td>
<td>0.7</td>
<td>113,000</td>
<td>8.0</td>
</tr>
<tr>
<td>RTV-75-L</td>
<td>225</td>
<td>165</td>
<td>0.5</td>
<td>113,000</td>
<td>8.0</td>
</tr>
<tr>
<td>RTV-120-L</td>
<td>360</td>
<td>280</td>
<td>0.6</td>
<td>195,000</td>
<td>11.0</td>
</tr>
</tbody>
</table>

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

- 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")

Storage Tank Models

DIMENSIONS IN INCHES

Meet or exceed ASHRAE 90.1b (current standard)

<table>
<thead>
<tr>
<th>Model Number</th>
<th>Gallon Capacity</th>
<th>Floor to Heater Top</th>
<th>Jacket Dia.</th>
<th>Floor to Top Water Conn.</th>
<th>Floor to Drain/Boiler Return</th>
<th>Outlet</th>
<th>Heat Source Supply</th>
<th>Heat Source Return</th>
<th>Approx. Shipping Weight (lbs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>AST-40-6</td>
<td>40</td>
<td>46 1/2</td>
<td>20</td>
<td>47 1/2</td>
<td>3/4</td>
<td>1/4</td>
<td>1/4</td>
<td>1/4</td>
<td>103</td>
</tr>
<tr>
<td>AST-50-6</td>
<td>50</td>
<td>46 1/2</td>
<td>22</td>
<td>47 1/2</td>
<td>3/4</td>
<td>1/4</td>
<td>1/4</td>
<td>1/4</td>
<td>130</td>
</tr>
<tr>
<td>AST-80-6</td>
<td>80</td>
<td>58 1/2</td>
<td>24</td>
<td>59 1/2</td>
<td>3/4</td>
<td>1/4</td>
<td>1/4</td>
<td>1/4</td>
<td>183</td>
</tr>
<tr>
<td>AST-120-6</td>
<td>119</td>
<td>62 1/2</td>
<td>28 1/4</td>
<td>63 1/2</td>
<td>3/4</td>
<td>1</td>
<td>1</td>
<td>1/4</td>
<td>305</td>
</tr>
</tbody>
</table>

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

### Residential Gas Models
- Atmospheric Vent High EF Models ......................... 6 or 10 Year 6 or 10 Year**
- Atmospheric Vent Damper Models ......................... 6 or 10 Year 6 or 10 Year**
- Residential High EF Models ................................. 6 or 10 Year 6 or 10 Year**
- Residential High Performance Models .................... 6 Year 6 Year
- Residential TT™ High Performance Models ............. 6 Year 6 Year
- Residential Extra Recovery Models ...................... 6 or 10 Year 6 or 10 Year**
- Residential Upright Models ............................... 6 or 10 Year 6 or 10 Year**
- Residential Power Vent Models ......................... 6 or 10 Year 6 or 10 Year**
- Residential Power Direct Vent Models ................. 6 or 10 Year 6 or 10 Year**
- Residential Ultra Low NOx Models ....................... 6 or 10 Year 6 or 10 Year**
- Residential eR™ Models .................................... 3 or 10 Year 3 or 10 Year**
- Residential Manufactured Home Models ............... 6 or 10 Year 6 Year
- Residential Heat Pump Models ....................... Residential AeroTherm™ Heat Pump Models 10 Year 10 Year

### Residential Electric Models
- Residential High Efficiency, Upright, Lowboy Models ... 6 or 10 Year 6 or 10 Year**
- Residential Utility, Wall Hung Models ................ 6 or 10 Year 6 or 10 Year**
- Residential Kwikshot® Models ......................... 10 Year† 1 Year

### Solar Models
- Residential Solar Models ..................................... 6 or 10 Year 6 Year

### Residential Hydronic/Space Heating
- Residential Combi™ Models ............................... 10 Year 6 Year
- Residential Combi2™ Models ............................... 10 Year 6 Year

### Residential Indirect Models
- Residential PowerStor Series® Model .................. Limited Lifetime 6 Year
- Residential PowerStor2 Series® Models ............... Limited Lifetime 6 Year
- Residential PowerStor Series® SS Models ............. Limited Lifetime 6 Year

### Residential Storage Tank
- Residential AST Models ................................. 6 Year 6 Year

### Residential Indirect Models
- Residential PowerStor Series® SS Models ............. Limited Lifetime 6 Year

### Residential Manufactured Home Models ............... 6 or 10 Year 6 Year

### Residential Electric Models
- Residential Utility, Wall Hung Models ................ 6 or 10 Year 6 or 10 Year**

### Residential Upright Models ............................... 6 or 10 Year 6 or 10 Year**

### Residential Power Vent Models ......................... 6 or 10 Year 6 or 10 Year**

### Residential Power Direct Vent Models ................. 6 or 10 Year 6 or 10 Year**

### Residential Ultra Low NOx Models ....................... 6 or 10 Year 6 or 10 Year**

### Residential eR™ Models .................................... 3 or 10 Year 3 or 10 Year**

### Residential Manufactured Home Models ............... 6 or 10 Year 6 Year

### Residential Heat Pump Models ....................... Residential AeroTherm™ Heat Pump Models 10 Year 10 Year

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.

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## Tank Type Serial Number Identification

### FIRST LETTER - YEAR OF MANUFACTURE


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