HTP Phoenix LIGHT DUTY
Highly Efficient Stainless Steel Gas-Fired Water Heater

76,000 Btuh
50, 60 & 80 Nominal Gallon Tanks

- Up to 97% Thermal Efficiency
- Up to .90 UEF
- Modulating Combustion System
- 316L Stainless Steel Tank
- Multiple Venting Options
  - 2" PVC, CPVC or ULC S636 pipe
  - Combined vent length of 150 ft

Solar Version
Solar Tank with Gas Fired Back-Up

Made in America • HTP Made In America
76,000 Btuh
50, 60 & 80 Nominal Gallon Tanks

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Solar Version
Solar Tank with Gas Fired Back-Up
Phoenix LD
A CLOSER LOOK

High Efficiency Stainless Steel Gas-Fired Water Heater

NO Anode Rods Needed!
All coated tanks require anodes to delay the inevitable corrosion and tank failure. The Phoenix Light Duty stainless steel tank will outlast any coated steel tank in the market!

Heat Exchanger
Cupronickel spiral design that expands and contracts rapidly with the change in temperature resisting scale build-up.

- Durable Construction
- High Performance
- Excellent Heat Transfer Capabilities
CONTROL & DISPLAY

FEATURES

Advanced Electronic Control
- Easy to read LCD (icon and text) display

Highly Efficient Operation
- Up to 97% Thermal Efficiency
- Up to .90 Uniform Energy Factor

Ease of Installation
- Top ports on inlet and outlet
- Top connect auxiliary port for recirculation line or AIR HANDLER piping, increases overall efficiency

Modulating Combustion System
- 3:1 turndown ratio - 25,000 to 76,000 Btuh
- Ultra Low NOx compliant

Superior 316L Stainless Steel Tank Construction
- 3 tank sizes: 50, 60, & 80 nominal gallons
- Laser welded precision, lightweight tank
- No anode rods needed

Highly Efficient Combustion Heat Exchanger
- The Phoenix Light Duty uses the latest, patented technology and is covered by U.S. Patent No. 10,024,57, it's cupronickel heat exchanger design boasts excellent heat transfer properties and resists corrosion
- High grade stainless steel burner

Venting
- 2” PVC, CPVC or ULC S636 pipe
- Combined vent length of 150 feet
- Two pipe / single pipe, balanced or unbalanced venting system

The Phoenix LD performs better than tankless
- Avoid inconsistent water fluctuations
- No minimum flow rates needed to provide hot water
- Deliver hot water to multiple outlets and large volume showers faster

Functions
1. Menu Navigation Down
2. Menu Navigation Up
3. Decreases the DHW Setpoint
4. Increases the DHW Setpoint
5. ECO Mode: PROVIDES REAL ENERGY SAVINGS, WHEN LESS HOT WATER IS NEEDED
6. Reset
7. Off/DHW Mode Enable

Phoenix LD Installation with an Air Handler
### Specifications

#### STANDARD FEATURES
- Up to 97% TE and up to .90 UEF
- Modulating Burners with Up to 3:1 Turndown Ratio
- Vents in PVC, CPVC, Stainless Steel, ULC S636
- Spark ignition with flame monitoring
- Flame stabilization monitoring
- Integrated Control System
- Pressure relief pre-piped
- Limited Warranty:
  - Residential: 10 year if registered online & 7 year if not registered
  - Commercial: 3 year (upgradeable to 5 year with additional charge)

#### WHAT'S IN THE BOX
- Intake PVC Tee w/ Screens
- Exhaust PVC Coupling w/ Screens
- Installation Manual
- Temperature & Pressure Relief Valve
- Warranty

#### OPTIONAL EQUIPMENT
- Outdoor Sensor
- 2" or 3" PVC Concentric Vent Kit
- 2" or 3" Stainless Steel Outside Termination Vent Kit
- 3" Polypro Vent Kit

### Model Specifications

<table>
<thead>
<tr>
<th>MODEL</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>E</th>
<th>F</th>
<th>Nominal Storage Capacity</th>
<th>Vent Size</th>
<th>Gas Line</th>
<th>Inlet/Outlet Size</th>
<th>Relief Valve</th>
<th>Aux Conn.</th>
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<tbody>
<tr>
<td>PH76-50</td>
<td>44.75”</td>
<td>33”</td>
<td>33”</td>
<td>6.75”</td>
<td>23”</td>
<td>32.5”</td>
<td>50 GAL.</td>
<td>2”</td>
<td>1/2”</td>
<td>3/4” NPT</td>
<td>3/4” FNPT</td>
<td>3/4” NPT</td>
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<td>PH76-60</td>
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<td>33”</td>
<td>6.75”</td>
<td>23”</td>
<td>32.5”</td>
<td>60 GAL.</td>
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<td>3/4” NPT</td>
<td>3/4” FNPT</td>
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<tr>
<td>PH76-80</td>
<td>69”</td>
<td>33”</td>
<td>33”</td>
<td>6.75”</td>
<td>23”</td>
<td>32.5”</td>
<td>80 GAL.</td>
<td></td>
<td>3/4” NPT</td>
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<table>
<thead>
<tr>
<th>MODEL</th>
<th>Btuh</th>
<th>DOE Rated Storage Volume</th>
<th>UEF</th>
<th>Recovery Efficiency</th>
<th>First Hour Rating Bin</th>
<th>First Hour Rating</th>
<th>Thermal Efficiency</th>
<th>Recovery GPH At 90° F Rise</th>
<th>Max. Temp Limit</th>
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<tbody>
<tr>
<td>PH76-50</td>
<td>25,000 - 76,000</td>
<td>48 GAL.</td>
<td>.90</td>
<td>96%</td>
<td>High</td>
<td>154 GAL.</td>
<td>High</td>
<td>97%</td>
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<tr>
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<td>.88</td>
<td>97%</td>
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<td>157 GAL.</td>
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<tr>
<td>PH76-80</td>
<td>25,000 - 76,000</td>
<td>77 GAL.</td>
<td>.87</td>
<td>94%</td>
<td>High</td>
<td>206 GAL.</td>
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<td>95%</td>
<td>107</td>
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<tr>
<td>PH76-80S*</td>
<td>25,000 - 76,000</td>
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<td>N/A</td>
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<td>High</td>
<td>206 GAL.</td>
<td>High</td>
<td>95%</td>
<td>107</td>
</tr>
</tbody>
</table>

*Solar*