Dunkirk VLT Natural or Propane Gas-Fired Modulating Condensing Hot Water Boiler

General Information

- Dimensions (inches)...
- Weights (lbs)...

- Convolution Air & Vent Pipe Equivalent Length (Schedule 40 PVC)...
- Combustion Materials (Order)...
- Service...

- Combustion Efficiency...
- AFUE %...

- Dimensions/Weights

- Boiler Input Rate (MBH)...
- Heating Capacity (MBH)...
- Net AHRI Rating, Water (MBH)...

- Various Specifications and Options...

- Helix VLT

- Gas-Fired, Wall Hung Modulating Condensing Boiler

- Up to 95% AFUE
- Built-In Primary/Secondary Piping cuts installation time in half
- Built-In Low Water Cut Off
- 5:1 Turn Down Ratio
- Innovative Heat Exchanger - Low Maintenance, Self-Cleaning
- Designed in the U.S., for the U.S.

- 150 psi MAWP

Innovative

Because we know what it takes to make a good thing even better...

Dunkirk is proud to bring you the most efficient, forward-thinking home heating solutions available today like the Dunkirk Helix VLT. Dunkirk’s “Vertical Laser Tube,” modularizing condensing boiler features a revolutionary, vertically mounted helical fin tube heat exchanger, made of 316L/444 stainless steel. This self-cleaning design features wide, smooth waterways that help remove hard water deposits and prevent scaling.

With the recent addition of a 299 MBH capacity, the Dunkirk Helix VLT offers even more application flexibility with six modulating capacities from 60 to 299 MBH. Plus all Helix VLT models can now be vented using PVC, CPVC or Polypropylene.

Consider pairing a Dunkirk Helix VLT with an H2O Series Stainless Steel Indirect Water Heater for a perfect home heating match!

Dunkirk H2O Indirect Water Heaters are available in 30 to 150 gallon capacities and feature 316L stainless steel construction and top connections for an easy installation. The H2O is so well insulated that water will lose only a half-degree for every hour on standby. The H2O’s smooth coil design prevents sediment buildup. This durable, efficient water heater is a great value.

Dependable

Dunkirk holds our products to the highest quality standards and we stand behind them...

Each Helix VLT boiler produced is subjected to a rigorous set of quality control checks before it leaves our factory. Dunkirk tests each boiler and checks all of the electrical, plumbing, pressure vessel and combustion set up parameters - fine tuning the product’s performance prior to approving the unit for shipment. We even include the final computer generated results for your professional contractor to reference while completing your installation.

Since we go the extra mile to deliver a quality product we offer not only a 10 year limited manufacturer’s warranty, we also back it up with an industry-leading first year $500 Heat Exchanger Labor Warranty.

Our H2O Single Coil Indirect Water Heaters feature a limited lifetime warranty and optional Comfort Plus Parts & Labor warranties are available for all our products.

Efficient

Just look at what you could be saving annually...

Add up the savings with a Helix VLT:

+ Up to 95% AFUE
+ Sealed Combustion
+ Outdoor Temperature Reset

The increased efficiency of the VLT could save you up to 40% on your heating bill each year.

If you pay $3,500 annually to heat your home, you could save as much as $700 per year.

That's $3,600 over 5 years!*

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* Based on the stated horsepower, temperature, and ambient conditions. Actual performance may vary.}

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LWCU
- Factory wired and installed
- Probe type with test button
- Alerts code when required
- Provides added protection

Central Features
- 5.1 Turn down ratio
- Easy to understand English text display
- Outdoor reset maximizes fuel economy
- Prevents domestic hot water reaching dangerous demands
- Integrated multiple boiler control eliminates the need for costly multiple boiler control.

Quick Connect
- Simplified electrical connection and removable terminal block makes wiring easy

Top Connections
- Approved for PVC, CPVC and Polypropylene venting

Bottom Connections
- Replacement wye with 1-1/4” piping connections and four pressure drops
- No high heat pump required

Wall Mount Bracket
- Bracket included
- Wall mount installation saves space
Innovative

Because we know what it takes to make a good thing even better...

Dunkirk is proud to bring you the most efficient, forward-thinking home heating solutions available today like the Dunkirk Heilk VLT. Dunkirk’s “Vertical Laser Tube” modulating condensing boiler features a revolutionary, vertically mounted helical fin tube heat exchanger, made of 316L/444 stainless steel. This self-cleaning design features wide, smooth waterways that help remove hard water deposits and prevent scaling.

With the recent addition of a 299 MBH capacity, the Dunkirk Heilk VLT offers even more application flexibility with six modulating capacities from 60 to 299 MBH. Plus all Helix VLT models can now be vented using PVC, CPVC or Polypropylene.

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Efficient

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Add up the savings with a Helix VLT:

- Up to 95% AFUE
- Sealed Combustion
- Outdoor Temperature Reset

The increased efficiency of the VLT could save you up to 40% on your heating bill each year. If you pay $5,500 annually to heat your home, you could save as much as $2,200 per year.

= That’s $3,600 over 5 years!*

* Efficiency may vary based on the type of burner, outdoor temperature, fuel source and usage. Use actual burner temperatures for best possible heat output. Never exceed allowable burner temperatures. Actual savings may vary.
## Dunkirk VLT Natural or Propane Gas-Fired Modulating Condensing Hot Water Boiler

<table>
<thead>
<tr>
<th>Dimensions/Weights</th>
<th>Model</th>
<th>Boiler Input Rate (MBH)</th>
<th>Heating Capacity (MBH)</th>
<th>Net AHRI Rating, Water (MBH)</th>
<th>AFUE %</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Max</td>
<td>Min.</td>
<td></td>
<td>Max</td>
</tr>
<tr>
<td></td>
<td>DVG15T-925</td>
<td>50</td>
<td>10</td>
<td>49</td>
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<tr>
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<td>DVG15T-200</td>
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<td>DVG15T-300</td>
<td>200</td>
<td>40</td>
<td>185</td>
<td>160</td>
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</tbody>
</table>

*The DVG15T-925 and DVG15T-975 have an AFUE of 95% and are DVG15T-925/975 rated products but do not meet the 95% criteria for 2015 Most Efficient.

### General Information

<table>
<thead>
<tr>
<th>Item</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Installations</td>
<td></td>
</tr>
<tr>
<td>Operation and Maintenance Manual for service personnel</td>
<td></td>
</tr>
<tr>
<td>Conv. Materials</td>
<td>Required Clearances measured from burner</td>
</tr>
<tr>
<td>Combustion Grate</td>
<td>6&quot; (0.16 m)</td>
</tr>
<tr>
<td>Service</td>
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<td>Clearance</td>
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<tr>
<td>Back</td>
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</tr>
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<td>Bottom</td>
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<tr>
<td>Combustion Air</td>
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<tr>
<td>Water</td>
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</tr>
<tr>
<td>Water</td>
<td>0&quot; (0.0 m)</td>
</tr>
</tbody>
</table>

### Conversions

- **Supplies Water**
  - 1-1/2" NPT
  - 2" NPT

### Electrical

- **120 Volt AC, 60 Herz, 1 phase, less than 12 amp, 13 amp circuit recommended**

### Water Content

  - 1-1/2" NPT
  - 2" NPT

### Standard Equipment

- **Control Module**
  - Automatic Line Voltage/Interruptions, Direct Spark Ignition/Modulating with a 5.1 combustion dual digital. For multiple boiler applications, the control module can stage up to 16 boilers.
  - User Interface: Easy to read information with trend display, Outdoor Temperature Sensing included.
  - Heat Exchanger: High grade 316L Stainless Steel Fin & Coil with Flue Sight Glass.
  - Burner: Primary/Secondary Mixing Chamber, Piping and Pumps.
  - Combustion: Gas Valve with Premix Venturi and Blower, Double Stainless Steel Mesh Modulating Burner with 5.1:1 burn ratio, Direct Spark Ignition, Flame Sensor and LP Connection Kit included.
  - Electronic: DataCollective Low Voltage Terminal Block, High Voltage Junction Box and Transformer.
  - Other: Factory-installed probe types: Low Water Cut Off with built in test, 30 PSI Safety Relief Valve, Boiler Drain and Condensate Drain built in trap.

### Options

- Central Heating Pumps included for 50 to 200 MBH only (DVG07/15/20/30).
- Concentric Vent Kit (for 2" and 3"), System Sensor (for Multi Boiler Applications)

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**PN240008865 Rev 9/13**

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**Innovative. Efficient. Dependable. Dunkirk.**

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