High-Efficient Direct Vent Wall Furnace



80%+ Efficient 20,000, 40,000 and 55,000 Btu Models



DV-40E Shown

- Utilizes State-of-the-Art Technology for Added Fuel Efficiency
- Electronic Thermistor **Thermostat Monitors Furnace Operation**
- Optional Wall Thermostat Hook-up is Standard and Will Accept Any 24-Volt Wall Thermostat You Choose
- Total Comfort for a Fraction of the Cost of Electric Heat
- Sealed Combustion Maintains **Indoor Air Quality**
- Complete with Blower for Proper Circulation and Even Distribution of Heat
- Standard Unit Vents Through a Wall up to 10" Deep (Extended Horizontal and

- Vertical Vent Runs Available as Accessories for 20,000 and 40,000 Btu Heaters)
- Hot Surface Ignition
- Three Btu Sizes to Heat Any Space
- Peace of Mind Safety Features **Built into Furnace**
- Mobile Home Certified



Inner Beauty Comes Standard On These Great Looking Heaters:



With sleek, slimline designs, soft corners and light grey finish, all three models blend in perfectly with any decor.

• Attractive Styling With Ease of Use

The Empire High-Efficient DV-20E (20,000 Btu), DV-40E (40,000 Btu) and DV-55E (55,000 Btu) heaters' attractive styling gives any room a contemporary look. Space-efficient and easy to use, the unique



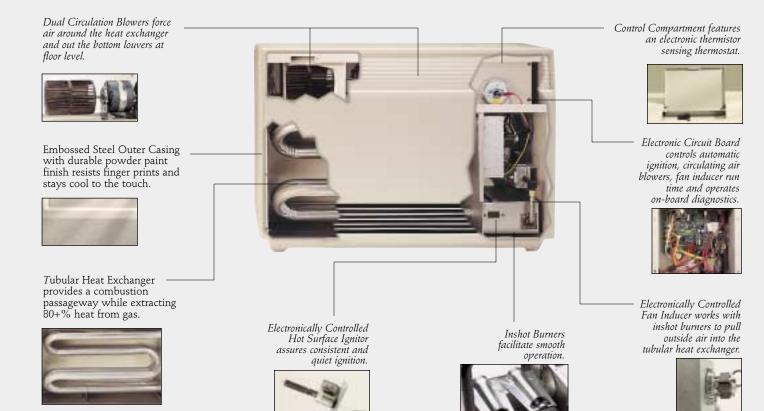
design makes them cool to the touch, meeting or exceeding all American National Standards Institute temperature

tests. A top-mounted control compartment allows you to simply flip the switch to "on" and turn to your desired temperature.

• More Efficient Heating Means More Savings

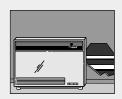
Gas can heat your home for a fraction of the cost of electric heat, and advanced gas heating technology makes these heaters 80+% efficient. Empire Comfort Systems' High-Efficient Direct Vent Wall Heaters are available in the widest range of heating sizes to fit your special needs. The 20,000 Btu DV-20E is ideal for heating basements, family rooms or a combination of small rooms. The 40,000 Btu DV-40E and 55,000 Btu DV-55E are perfect for heating large family rooms, offices, apartments or even entire homes. All three models can be converted from either LP or natural gas and easily warm rooms up to 2,000 sq. feet. With the largest cfm (cubic feet/minute) fans in the industry, these furnaces are also the most effective units at delivering the warmth you desire. The 350 cfm fan in the DV-20E and DV-40E is unmatched, while the DV-55E's 400 cfm fan delivers all the quiet, efficient heat you need. An electronic thermistor thermostat is standard on all models, keeping your room within plus or minus 1° of your selected temperature. Add up all these features, and you get more savings than you'd get with a conventional heater.

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DV-40E With Optional Horizontal Venting

Simplified Venting By Empire

Empire High-Efficient Heaters offer more flexibility than most direct vent heaters. They can be installed on virtually any wall, as well as in any basement. Outside wall installation is simple and only requires silicone adhesive caulking around air inlet tube. Each heater comes with one standard vent terminal for walls up to 10" thick, and venting options are available for walls up to 32" thick.

Every DV-20E, DV-40E and DV-55E comes complete with a standard through-the-wall installation kit. For extended runs, vent options of 15' with a maximum of two elbows or 10' runs with three elbows are available on DV-20E and DV-40E.

• Direct Venting Means More Efficient Heat

The energy-efficient method for heating your home actually starts outside. A state-of-the-art heat inducer pulls outside air into the burner compartment and then pushes the same air, now heated, through the unique tubular heat exchanger. A dual, centrifugal fan, air circulation system then blows room air across the tubular combustion chamber. This counterflow action starts at the top of the unit and exits at floor level. Since no room air is used for combustion, you'll enjoy cleaner, healthier and warmer heat.

• Built-In Safety

Safety is the most important thing we build into every Empire High-Efficient Heater. All three models feature a state-of-the-art electronic circuit board that monitors furnace operation and controls all on-board diagnostics. They also have an automatic shut-off valve. In the event of a power outage, the heaters will automatically restart when power returns.

• Simplified Diagnosis and Maintenance

Each heater features a green LED light in the control compartment that provides easy diagnosis by service personnel.

• Empire's Unmatched Warranty

It only makes sense that we'd back these superior heaters with a superior warranty. These high-efficient heaters are guaranteed by a warranty that's unmatched in the industry. The combustion chamber carries a 10-year limited warranty and all other parts carry a 5-year limited warranty with a 2-year limited labor warranty.

Specifications

| Model | DV-20E | DV-40E | DV-55E |
|--|----------------------------------|---------------|--------------|
| Color: Cabinet and Front Panels | Light Grey | Light Grey | Light Grey |
| Btu Input | 20,000 | 40,000 | 55,000 |
| Btu Output | 16,300 | 32,600 | 44,825 |
| Overall Dimensions | | | |
| Width | 37" | 37" | 37" |
| Depth | 15 ³ / ₄ " | 15 3/4" | 15 3/4" |
| Height | 26" | 26" | 26" |
| Shipping Weight, Lbs. (One Carton) | 128 | 135 | 146 |
| Temperature Control | | | |
| Electronic Control | Yes | Yes | Yes |
| Blower, tangential type, one speed | 350 cfm | 350 cfm | 400 cfm |
| Minimum Clearance to Combustible Fr | om: | | |
| Тор | 10" | 10" | 10" |
| Each Side | | | |
| Left Side | 3" | 3" | 3" |
| Right Side* | 3" | 3" | 3" |
| *Note: 10" Right Side Clearance Suggested for | | | |
| Serviceability of Right Side Panel Area. Bottom of Unit to Floor Covering | 0" | 0" | 0" |
| Gas Inlet | | | |
| Type of Gas (State on Order) | Natural or LP | Natural or LP | Natural or L |
| Iron Pipe Size (N.P.T.) | 1/2" | 1/2" | 1/2" |
| Venting | | | |
| Wall Depth | | | |
| Minimum | 2" | 2" | 2" |
| Maximum | 10" | 10" | 10" |
| See accessories for thicker walls. | 01/1 | 01/1 | 01/1 |
| Vent Opening in Wall | 3¼" | 3¼" | 3¼" |
| Venting Options | | | |
| Maximum Length | V | V | NT- |
| 15' with 2 Elbows | Yes | Yes | No |
| 10' with 3 Elbows Note: Intake/exhaust extensions may by used in combination to a maximum of 15 ft. in length an | Yes d two elbows. | Yes | No |
| Accessories (State on Order) | | | |
| Intake/Exhaust Extension Kits: | | | |
| 54" Kit with 2 Elbows | DVE-1 | DVE-1 | N/A |
| 54" Kit for Extended Vent Runs | DVE-2 | DVE-2 | N/A |
| Extended Vent Terminal* | DVT-2 | DVT-2 | DVT-2 |
| (for walls up to 32" thick) | | | |
| * Standard vent terminal for wall | | | |
| up to 10" thick is included with unit. | DVP-1 | DVP-1 | DVP-1 |
| Floor Pad 24-Volt Thermostat | R-633 | R-633 | R-633 |
| 24- voit Themnostat | IV-099 | 1/-022 | K-022 |

Safety Controls

Automatic Shut-off for Main Burner Over Temperature Safety Limit Switch

Warranty

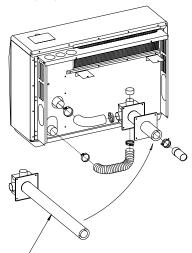
Combustion chamber carries a 10-year limited warranty. All other parts carry a 5-year limited warranty with a 2-year limited labor warranty.

Note: Empire has a policy of constantly improving quality and performance of its appliances, therefore, materials and specifications are subject to change without notice.

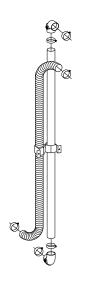


Standard Concentric Vent

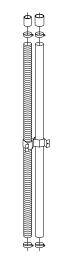
Standard Intake/Exhaust Venting for up to 10" thick wall.



DVT-2, EXTENDED VENT TERMINAL Replaces standard vent assembly for up to 32" thick maximum wall.



DVE-1 Extension Kit 54" in length with 2 elbows, for vertical or horizontal runs.



Extension Kit 54" in length, use with DVE-1 kit for vent runs in excess of 54".

DVE-2

Please Note:: DVE-1 and DVE-2 are not available for DV-55E.

For Your Safety

Installation and repair should be done by a qualified service person.

This series is design certified in accordance with American National Standards Institute 721.86 (latest standard) and the National Standard of Canada CSA 2.32 (latest standard) by the American Gas Association and the Canadian Gas Association as a Fan Type Direct Vent Wall Furnace.

The installation must conform to local codes. In the absence of local codes, the installation must conform with American National Standard (National Fuel Gas Code) known as NFPA 54 and ANSI Z223.1 (latest edition) available from the American National Standards Institute, Inc., 11 West 42nd St., New York, N.Y. 10036, or from the National Fire Protection Association, Batterymarch Park, Quincy, Massachusetts 02269.











