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Special Product Edition

Introducing New Family of Heil® 80% Variable Speed Gas Furnaces

Compatible with new two-stage cooling systems

For the 2006 heating season, International Comfort Products announces a new family of 80% efficiency Heil® variable speed gas furnaces that support any of the Heil condensing equipment, including the new two-stage condensing units that will be available in Fall 2006.

Mike Eberlein, ICP furnace product manager, said this series replaces the previous models of Heil variable speed 80% furnaces and availability of the new units for customer shipment is expected in September 2006.



Heil QuietComfort VS 80 Gas Furnace

Warranties for New Series

The new 80% efficiency QuietComfort™ VS 80 variable speed gas furnace (H8MPV models) family features a 10 year No Hassle Replacement limited warranty, a 25 year heat exchanger limited warranty, and a 7 year parts limited warranty. (See warranty certificate for details.)

Dealer-friendly Furnace Line

The line of tough, multi-featured and easy to install 80% AFUE Heil brand QuietComfort gas furnaces introduced last fall were designed to provide dealers with products that are easier to install and homeowners with a furnace that withstands tough winters while providing a comfortable environment in the home.

New 80s: Two-Stage Compatibility

Some of the features of these new 80% variable speed models include:

- Added O and Y1 terminals on the Tap Select Interface Board (TSIB) to work with two-stage cooling systems
- Operational compatibility with all the new Heil two-stage condensing units: H4A6, H4A8, H4H5 and H4H7 series
- Also compatible with all single stage air conditioners and heat pumps
- Reprogrammed GE ECM 2.3 variable speed motors used on all models, with:
 - 12 speed selections for cooling airflow now possible
 - 12 temperature rise adjustment settings now possible in heating

“New 80% efficiency Heil variable speed gas furnaces support any of Heil condensing equipment, including new two-stage condensing units available in Fall 2006.”

“We designed these furnaces with a determination to build them with even more dealer- and homeowner-friendly features than ever before,” Eberlein said. “I’m sure that both homeowners and dealer-contractors will agree that these 80% furnaces provide the efficiency, durability

and comfort homeowners are looking for, while also fulfilling dealers’ needs for furnaces that are easy to sell, install and service.”

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New Heil Multi-Poise 80% Gas Furnaces for Every Application

With four product groups, the Heil line of 80% gas furnaces offers a furnace to meet the needs of every application. Features include:

- **Superior RPJ® III heat exchanger:** designed by ICP for proven durability.
- **Optional chimney vent kit:** eliminates the need for the expensive chimney liner required by building codes (some models).
- **Complete:** offered in capacities of 50, 75, 100 and 125 MBTUh.
- **Remote Flame Sensing:** Improves safety by proving flames across the entire burner train.
- **LP Gas Conversion:** Heil 80% furnaces are available in natural gas models with LP gas conversion kits also available.

Heil QuietComfort VS 80 (Model H8MPV)

- 80% AFUE
- 40 inches tall
- GE ECM 2.3 variable-speed blower
- Two-stage gas valve operation fires on low fire
- Direct ignition with silicon nitride ignitor
- 24 and 115 volt humidifier connections
- Sound-enhanced inducer motor
- Shipped with external filters and rack
- Low NOx
- Downflow vent guard kit available
- 25 year heat exchanger limited warranty
- 7 year parts limited warranty
- 10 year No Hassle limited warranty

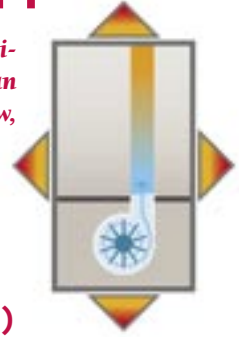


Heil QuietComfort IIS 80 (Model H8MPT)

- 80% AFUE
- 40 inches tall
- Multi-speed PSC motor
- Two-stage gas valve operation fires on low fire
- Direct ignition with silicon nitride ignitor
- 24 and 115 volt humidifier connections
- Sound-enhanced inducer motor
- Shipped with external filters and rack
- Low NOx
- Downflow vent guard kit available
- 25 year heat exchanger limited warranty
- 5 year parts limited warranty
- 7 year No Hassle limited warranty



The Heil 80% multi-poise gas furnaces can be installed in upflow, downflow and horizontal right or horizontal left configurations.



Heil QuietComfort DLX 80 (Models H8MPN, H8MPL, H8DNL)

- 80% AFUE
- 40 inches tall
- Certified for Category I single-pipe vent installation
- Multi-speed PSC motor
- Single-stage gas valve operation
- Direct ignition with silicon nitride ignitor
- 24 and 115 volt humidifier connections
- Sound-enhanced inducer motor
- High-airflow 100 MBTUh model available for five-ton cooling applications
- 150 MBTUh model available (H8MPN model)
- Low NOx models available (H8MPL models)
- Dedicated downflow models (H8DNL) feature filter rack with permanent filters
- Downflow vent guard kit available
- 20 year heat exchanger limited warranty
- 5 year parts limited warranty
- 1 year No Hassle limited warranty



Heil PS80 (Models N8MPN, N8MPL)

- 80% AFUE
- 35 inches tall
- Certified for Category I single-pipe vent installation
- Multi-speed PSC motor
- Single-stage gas valve operation
- Direct ignition with silicon nitride ignitor
- 24 and 115 volt humidifier connections
- Rotatable inducer motor
- Narrow cabinet for easy side-vent installation
- High-airflow 100 MBTUh model available for 5-ton cooling applications
- Low NOx models available (N8MPL models)
- Downflow vent guard kit available
- 20 year heat exchanger limited warranty
- 5 year parts limited warranty



Heil 80% Efficiency Gas Furnace Features

Heil 80% gas furnaces include the following features:

1. Tough, long-lasting silicon nitride ignitors.
2. Quieter motors on variable speed models.
3. Two-stage gas valve fires on quieter low fire.
4. Control boards with built-in diagnostics and easy-view sight glass in the blower door.
5. Humidifier connections to make installation and service easier.
6. Remote flame sensing to make an already safe system even safer.
7. Improvements in manufacturing processes and quality control.



Gas furnace features (pictured clockwise) include silicon nitride ignitors, reprogrammed GE ECM 2.3 motors on variable speed models, variable speed motor components that include tap select board with dip switches, and a sight glass in the blower door to view troubleshooting LED fault indicator.

RPJ® III Heat Exchanger: One of the Toughest on the Market

The RPJ® III heat exchanger is one of the toughest heat exchangers on the market. It has set a design standard for the heating and cooling industry.

“The three-dimensional serpentine RPJ heat exchanger is designed to achieve maximum heat transfer in minimum space,” said Mike Eberlein, ICP furnace product manager.

Quality materials – The Heil heat exchangers used in the line of 80% furnaces are built from aluminized steel.

Rigorous testing – The Heil heat exchangers have been subjected to testing under extreme conditions and every heat exchanger must pass a leak test before it goes into a furnace.



Sales & Technical Literature

Support information on Heil 80% efficiency gas furnaces can be obtained from your distributor of Heil products.

Part numbers to order are:

Heil QuietComfort VS 80

Consumer Literature

Part #441 12 2016 00

Specifications Sheet

Part #441 11 2023 00

Heil QuietComfort IIS 80

Consumer Literature

Part #441 12 2015 00

Specifications Sheet

Part #441 11 2015 02

Heil QuietComfort DLX 80

Consumer Literature

Part #441 12 2315 00

Specifications Sheet

Regular 80: Part #441 11 2315 01

Low NOx 80: Part #441 11 2316 01

Downflow 80: Part #441 11 2317 01

Heil PS80 Performance

Consumer Literature

Part #441 12 2610 00

Specifications Sheet

Regular 80: Part #441 11 2615 01

Low NOx 80: Part #441 11 2616 01

Literature Available Online

The latest product information on residential gas furnaces is available at the Heil dealer Pathfinder website (www.heildlr.com) under the “Product Information” button. This will give you access to specification sheets, technical support manuals, installation and operation manuals, product information bulletins, and homeowner/user manuals and warranties.

Dealer-friendly 80% Gas Furnaces

Tougher, Quieter, and Easier to Install and Service

Designed to be tougher, quieter, and easier to install and service, the Heil 80% efficiency gas furnace line offers many dealer-friendly features & benefits, including:

✓ **Easy installation and service** – These low-profile furnaces are designed with easy-to-remove panels and extra-spacious service compartments to give technicians room to work.

✓ **Versatile accessory connections** – Heil 80% furnaces come with 24 and 115 volt connections for easy attachment of humidifiers.

✓ **Simplified troubleshooting** – These 80% furnaces are equipped with a troubleshooting LED fault indicator that will diagnose practically all system-related malfunctions, and it's easy to view through a sight glass in the blower door. Conventional gas valves also come standard on these furnaces to provide easy replacement and troubleshooting. The control board mounting plate has been modified for easier



Heil QuietComfort DLX 80
Gas Furnace

“These 80% furnaces are equipped with a troubleshooting LED fault indicator that will diagnose practically all system-related malfunctions.”

access while servicing.

✓ **Remote flame sensors** – Remote flame sensing offers the added safety of proving the flame lights all the way across the burners.

✓ **Chimney vent kit** – A unique optional chimney vent kit (*available on some models*) eliminates the need for an expensive chimney liner required by building codes in some locations.

✓ **Dependable quality** – Heil QuietComfort furnaces are tougher and more dependable than ever before. Silicon nitride ignitors last longer, can withstand high-line voltage, and don't require voltage regulators. In fact, a sample of the silicon nitride ignitors was torture-tested with the equivalent of 30 years of strenuous, high-heat conditions without failure. To further ensure

quality, every heat exchanger must pass a leak test before it goes into the furnace, and every furnace undergoes up to 45 different tests before final packaging.

ICPPATHFINDER
DEALER RESOURCES

Visit our World Wide Web site on the Internet at www.heil-hvac.com or visit the Pathfinder dealer website at www.heildlr.com

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