

A complete line of heating and cooling products,

combining **comfort and quality** with affordable prices.



High Efficiency 80%, 92.1%, up to 95% and 95.1% AFUE Single- and Two-Stage Gas Furnaces

Philco Single- and Two-Stage Gas Furnaces

Philco 95.1% AFUE and 80% AFUE two-stage gas furnaces are built using proven technology and reliable components protected by our heavy-gauge, scratch-resistant cabinet.

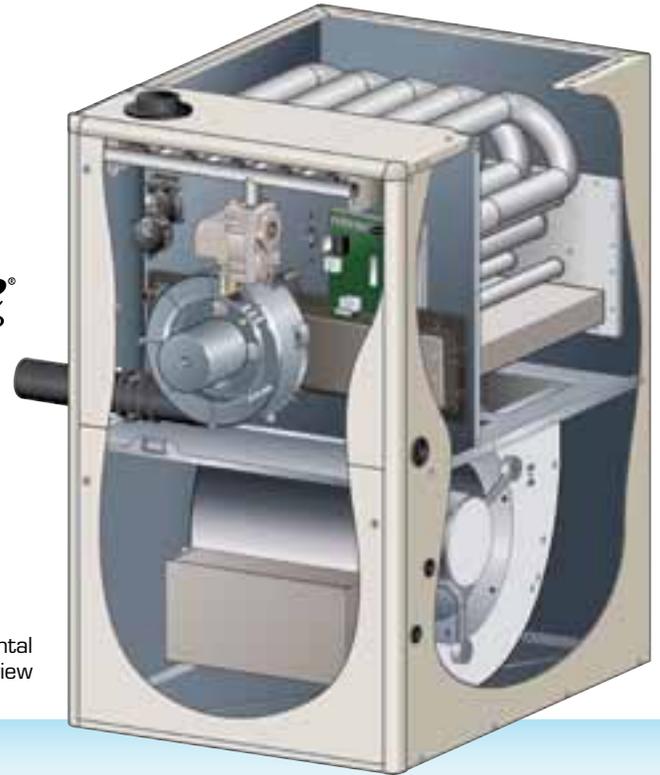
The SmartLite® control board used on all of our gas furnaces helps extend the life of igniters in furnaces using hot surface ignition technology.

SmartLite
CONTROL BOARD

All 90%+ AFUE furnaces include a stainless steel secondary heat exchanger that comes with a lifetime limited warranty.

Philco furnaces and their mechanical and electrical components are 100% fired and tested on the manufacturing line to ensure reliable performance.

95.1% AFUE Two-Stage, Upflow/Horizontal cutaway view



80%, 92.1% and up to 95% AFUE Single-Stage Gas Furnaces

Like all Philco products, these Single-Stage, Fixed-Speed gas furnaces are built using proven components for reliable performance. A fixed-speed, single-stage furnace is designed to meet basic heating needs with the best value. All Philco furnaces are less than 35 inches tall, so they can even accommodate small spaces.

The Philco Single-Stage 80% gas furnace offers high efficiency, and is great for any home with a gas furnace need. In fact, they are ideal for locations with shorter heating months. However, if you have the need to run your gas furnace for multiple months and are looking to reduce your energy consumption, then the 92.1% AFUE or 95% AFUE furnace may be ideal for you. Gas Efficiency is rated in terms of AFUE (Annual

Fuel Utilization Efficiency). The higher the rating, the more efficient the system. There is also an upflow, up to 95% AFUE furnace with a factory installed high efficiency ECM blower motor that has iSEER® technology that can increase efficiency even more.

iSEER Technology

iSEER®

iSEER technology can increase the energy efficiency of your outdoor air conditioner or heat pump during the cooling season. Cooling performance is measured in terms of SEER (Seasonal Energy Efficiency Ratio). The higher the SEER, the more energy efficient the cooling system performs. Philco furnaces featuring iSEER can increase that performance by up to 1 SEER.

95.1% and 80% AFUE Two-Stage Gas Furnaces Model Lineup

Philco's innovative two-stage furnaces are built with the purpose to idle down to a reduced heating capacity on mild days, which statistically average about 80% of the heating season. In the first stage, or low-fired mode, these furnaces use approximately 68% of their total heating capacity running more slowly, quietly and efficiently.

The two-stage 80% gas furnaces offer high efficiency and are great for any home with a gas furnace need. In fact, they are ideal for locations with shorter heating months. However, if you have the need to run your gas furnace for multiple months and are looking to reduce your energy consumption, then the 95.1% AFUE furnace may be ideal for you. Gas efficiency is rated in terms of AFUE (Annual Fuel Utilization Efficiency). The higher the rating, the more efficient the system.

For additional comfort, Philco also offers two-stage furnaces that can be upgraded to variable-speed in both the 80% and 95.1% models. Not only do you have the benefits of two-stage heating, you also get better air circulation to reduce hot and cold spots through variable-speed technology. Then during colder extremes when maximum output is needed, the second stage boosts fuel

flow while the blower ramps up variably to maximum speed. Ramping gradually through heating cycles increases quiet performance.

Since air is circulated at longer cycles more continuously, room temperatures are balanced and more comfortably mixed. Temperature swings are reduced to barely a couple of degrees and hot and cold spots are minimized. The variable motor will automatically maintain its programmed level of airflow. Better indoor air quality can be achieved quietly and inexpensively when the thermostat is set to run the fan in continuous mode. This will help reduce electrical consumption from 500 watts to 60 over a furnace without variable-speed.

Upgrading to a two-stage variable-speed furnace can also be beneficial in the summer. Your outdoor air conditioner or heat pump uses the furnace blower to distribute air throughout the home. The variable-speed feature helps reduce humidity levels inside the home and helps the system run more efficiently during the cooling season.



Furnace Model	Efficiency	Upflow/Horizontal	Downflow	Heat Stages	PSC Motor	ECM Motor*
KG7SA	80%	•		1	•	
KG7SK	80%		•	1	•	
KG7TA	80%	•		2		•
KG7TK	80%		•	2		•
KG7SC	92.1%	•		1	•	
KG7SL	92.1%		•	1	•	
KG7SD	95%	•		1	•	
KG7SM	95%		•	1	•	
KG7SDE	Up to 95%	•		1		•
KG7TC	95.1%	•		2		•
KG7TL	95.1%		•	2		•

What is AFUE?

Annual Fuel Utilization Efficiency is the term used to rate the efficiency levels of a gas or oil furnace. The higher the AFUE rating, the more energy efficient your system is and the lower your energy costs will be. It measures the amount of heat actually delivered to your house compared to the amount of fuel that you supply to the furnace.

Thus, a furnace that has an 80% AFUE rating converts 80% of the fuel that you supply to heat - the other 20% is lost out of the chimney. Compare this to an older furnace that may only deliver 60% efficiency.



Standing behind your investment

All Philco furnaces offer a 10 year limited warranty that covers all parts, when product is registered. Additionally, Philco gas furnaces are available with a limited lifetime warranty on the heat exchanger, the heart of the furnace. Your contractor can help you decide what furnace is best suited to meet your needs.

Philco KG7 furnaces also offer a 1-Year Quality Pledge, registration required. Should our heat exchanger fail during the first year of operation, we will replace the furnace with an equal product. To learn more about our product warranties, ask your Philco contractor.



PHILCO 
Heating and Cooling Products

philcohvac.com

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your Philco contractor:

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