

High-Efficiency Gas Furnaces



Affinity™ Series

80% & 90%+ AFUE Efficiency



It's time to get comfortable.

York® Affinity™ 8.V & 9.V series furnaces

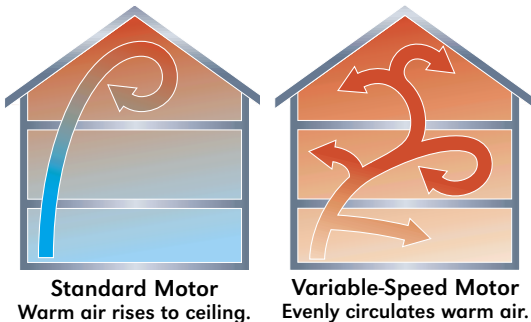
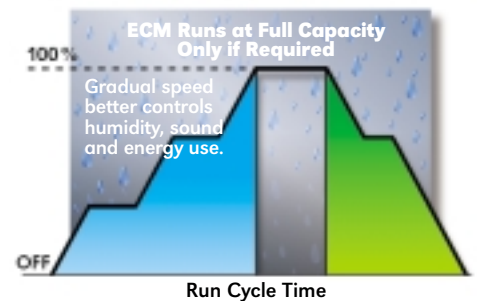


When only the best is good enough

The new Affinity™ V series variable-speed furnaces are the latest achievement in York's ongoing commitment to home comfort through state-of-the-art design and innovation. Here is proof that style and efficiency with ClimaTraK™ technology is the perfect fit for any home.

Affinity comfort begins with variable-speed ECM technology

The Affinity V series two-stage, variable-speed furnace is equipped with an electronically commutated motor (ECM). Unlike standard blower motors, the ECM offers continuous gradual fan speed changes. The result is incredible humidity control, dramatically reduced sound levels, and one of the best energy efficient furnaces you can buy. And of course supreme comfort.



Constant temperatures mean more comfort

Air stratification exists in your home when warm air rises and becomes trapped in a room's ceiling. This can happen when a furnace is equipped with a standard blower motor. In this case, motors only ramp up when heat is called for. Consequently, temperature fluctuation pockets develop between the ceiling and the floor. With the Affinity ECM motor, air is circulated for longer periods of time, at a fraction of the cost, which reduces air stratification and makes a home more comfortable.

ClimaTraK™

With the ClimaTraK™ installers can set an operating cycle for the Affinity ECM motor that works best in a particular climate.



Homeowners benefit from an operating cycle that maximizes their indoor comfort level regardless of whether they live in a dry, temperate or humid climate.

What noise?

Affinity variable-speed furnaces work with longer operating cycles. The benefit of fewer starts and stops includes dramatically reduced noise levels. ECM technology makes the Affinity V series almost 24 times less noisy than conventional furnaces.



Take comfort In Affinity efficiency

Affinity variable-speed ECM motors use less energy than a 100-watt light bulb*. Standard blower motors, on average, consume nearly 500 watts.



*When in continuous fan operation

Best

keeps getting better

If you're looking for maximum home comfort, take a look at all that the Affinity series offers

- Insulated cabinet for quiet operation
- Longer operating cycles increase air circulation
- ClimaTraK™ control for comfort in any climate
- ECM is the most energy efficient motor available
- Continuous fan operation and easy plug-and-play IAQ promotes better indoor air



An Affinity system for any home, anywhere

Affinity 9.V Furnaces

Nominal Tonnage	MBh Input	Width (inches)	Upflow		Downflow/Horizontal	
			Model Number	%AFUE	Model Number	%AFUE
12	40	14 1/2	PV9A12N040UP11	94.0	—	—
12	60	17 1/2	PV9B12N060UP11	93.2	PV9B12N060DH11	92.0
12	80	17 1/2	PV9B12N080UP11	92.5	PV9B12N080DH11	92.0
16	80	21	PV9C16N080UP11	92.8	PV9C16N080DH11	92.0
20	100	21	PV9C20N100UP11	92.8	PV9C20N100DH11	92.0
20	120	24 1/2	PV9D20N120UP11	93.2	PV9D20N120DH11	92.0

Affinity 8.V Furnaces

Nominal Tonnage	MBh Input	Width (inches)	Upflow/Horizontal		Downflow	
			Model Number	%AFUE	Model Number	%AFUE
12	80	14 1/2	PV8A12N080UH11*	80.0	PV8A12N080DN11**	80.0
16	100	17 1/2	PV8B16N100UH11*	80.0	PV8B16N100DN11**	80.0
20	100	21	PV8C20N100UH11*	80.0	PV8C20N100DN11**	80.0
20	120	21	PV8C20N120UH11*	80.0	PV8C20N120DN11**	80.0

*Model available in LoNox
All Units are 40" high x 30 1/8" long

**Check for availability



A difference you can feel and see

Compare the Affinity V series to the Dept. of Energy furnace operating standard (based upon 80% AFUE) and it's easy to see why you'll feel right at home with York.

9.V	8.V	D.O.E Min. Standard
Utility Savings	35%	15%
Comfort†	★★★★	★★★
Warranty	4 years	1 year
Sound	24 V series units	1 standard unit

35% 15% 0%

Comfort†

★★★★ ★★★

Warranty

4 years 1 year

Sound

It would take 24 V series units to equal the sound of one standard unit.

† Includes temperature and humidity levels.

York® Affinity™ 8.T & 9.T series furnaces

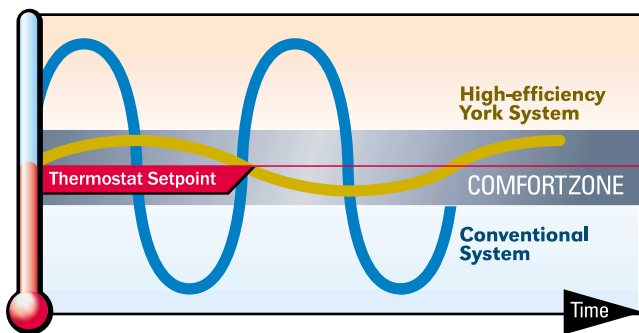
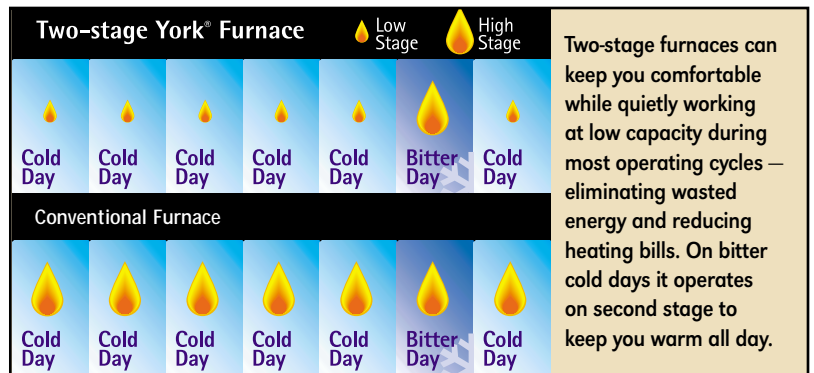


Affinity comfort & style comes in two-stages

For maximum home comfort, Affinity™ T series two-stage furnaces are designed with the same attention to detail and style found in every Affinity home comfort system.

Year-round energy efficiency

An Affinity T series two-stage furnace utilizes two-stage technology to provide two levels of heating performance. It operates on low stage up to 85% of the time. Only on those bitter cold days does it require second stage. And, when you add in its ability to run for longer periods of time at lower fan speeds, the result is fewer temperature swings, increased air circulation, better indoor air quality and fewer noisy start and stop cycles.

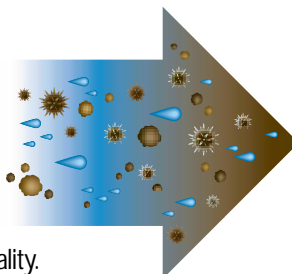


Keeping you in your comfort zone

Conventional furnaces must be sized to heat your home on the coldest days of the year. Since they can only operate at full capacity they must cycle on and off more often, resulting in temperature swings that can be up to 6 degrees from your ideal setting! Affinity T series two-stage furnaces can operate with great efficiency for longer periods of time, while delivering just the needed amount of heat. That keeps home temperatures much more even and well within your comfort zone.

Improved indoor air quality

By operating at lower fan speeds for longer periods of time, T series two-stage furnaces filter the air more often, removing more dust and contaminants from the air. Longer cycles can also improve the performance of other components of your home comfort system — enhancing humidity control and improving indoor air quality.



Slower, longer operating cycles control comfort better and remove more particulates like pet dander, pollen and dust from a homes indoor air.

Better

comfort and style

The features that stand out make owning an Affinity T series two-stage furnace a comfortable decision

- Two-stage operation promotes more even temperatures for greater home comfort
- Insulated cabinets for reduced noise levels
- Fewer starts and stops extends furnace life



An Affinity system for any home, anywhere

Affinity 9.T Furnaces

Nominal Tonnage	MBh Input	Width (inches)	Upflow		Downflow/Horizontal	
			Model Number	%AFUE	Model Number	%AFUE
12	40	14 1/2	PT9A12N040UP11	94.0	—	—
12	60	17 1/2	PT9B12N060UP11	93.2	PT9B12N060DH11	92.0
12	80	17 1/2	PT9B12N080UP11	92.5	PT9B12N080DH11	92.0
16	80	21	PT9C16N080UP11	92.8	PT9C16N080DH11	92.0
16	100	21	PT9C16N100UP11	92.5	—	—
20	100	21	PT9C20N100UP11	92.8	PT9C20N100DH11	92.0
20	120	24 1/2	PT9D20N120UP11	93.2	PT9D20N120DH11	92.0

Affinity 8.T Furnaces

Nominal Tonnage	MBh Input	Width (inches)	Upflow/Horizontal		Downflow	
			Model Number	%AFUE	Model Number	%AFUE
12	60	14 1/2	PT8A12N060UH11*	80.0	PT8A12N060DN11	80.0
12	80	14 1/2	PT8A12N080UH11*	80.0	PT8A12N080DN11	80.0
16	80	17 1/2	PT8B16N080UH11*	80.0	PT8B16N080DN11	80.0
12	100	17 1/2	PT8B12N100UH11	80.0	PT8B12N100DN11	80.0
20	100	21	PT8C20N100UH11*	80.0	—	—
16	120	21	PT8C16N120UH11	80.0	—	—
20	120	21	PT8C20N120UH11*	80.0	PT8C20N120DN11	80.0

*Model available in LoNox
All Units are 40" high x 30 1/8" long



A difference you can feel and see

Compare the Affinity T series two-stage to the Dept. of Energy furnace operating standard (based upon 80% AFUE) and it's easy to see why you'll feel right at home with York.

9.T **8.T** **D.O.E Min. Standard**

Utility Savings

25% **10%** **0%**

Comfort†



Warranty



Sound



It would take 4 T series units to equal the sound of one standard unit.

† Includes temperature and humidity levels.

York® Affinity™ 8.S & 9.S series furnaces



Affinity single-stage technology is simply more comfortable

Compared to older and even newer standard furnaces, the Affinity™ S series single-stage offers improved features.

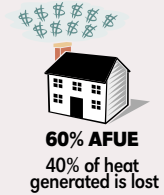
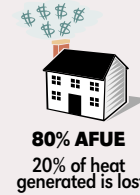
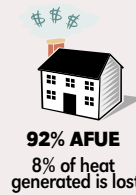
A powerful direct-drive blower sends warm air to all the rooms in your home. And thanks to an enclosed burner box in the 9.S model, start and stop cycle sounds are greatly reduced.

Efficiency you'll feel quite at home with

The Affinity S series single-stage furnaces can reduce costs up to 30% compared to most furnaces that are 20-years old. More energy goes into heating your home and less is lost in unused fuel.

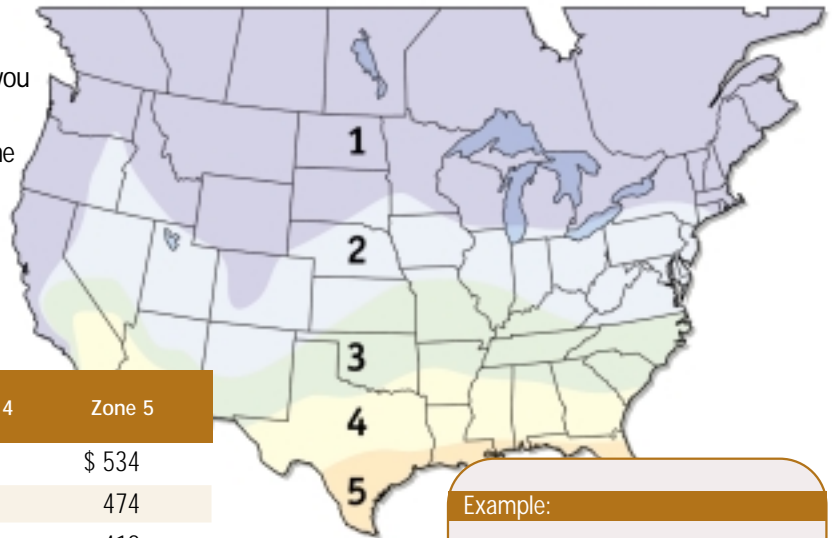
Unlike older furnaces that use a fuel-wasting pilot light, the Affinity S series single-stage furnaces use an energy efficient hot surface ignition.

Higher AFUE ratings = less energy waste



Energy savings

See how much you can save annually with higher efficiency Affinity gas furnaces. Using the map at right, locate the zone you live in. Determine the AFUE of your current system. Cross-reference your zone and current AFUE in the table to determine your approximate annual heating costs. The difference between your current cost and that of a higher-AFUE unit is your estimated annual savings.



Heating Efficiencies	Approximate Annual Heating Operating Costs				
	Zone 1	Zone 2	Zone 3	Zone 4	Zone 5
65%	\$1,596	\$1,418	\$1,082	\$ 957	\$ 534
80%	1,297	1,152	875	777	474
92%	1,127	1,002	764	676	412

Example:
 Zone 1, 92% vs. 65% AFUE
\$1,596 – \$1,127 = \$469
 (Your estimated annual savings)
That's a savings of almost 30%!

¹AFUE: The federal government has established Annual Fuel Utilization Efficiency (AFUE) ratings to allow you to compare the efficiency of furnaces. The higher the AFUE percentage is (e.g. 92%), the more efficient the furnace.

Standard

features for affordable comfort

Single-stage furnaces that offer comfortable benefits

- Enclosed burner box in 9.S series for quieter operation
- Insulated blower compartment
- 30% more efficient than 20-year-old standard furnaces



An Affinity system for any home, anywhere

Affinity 9.S Furnaces

Nominal Tonnage	MBh Input	Width (inches)	Upflow		Downflow/Horizontal	
			Model Number	%AFUE	Model Number	%AFUE
12	40	14 1/2	PS9A12N040UP11	92.0	PS9A12N040DH11	92.0
12	60	17 1/2	PS9B12N060UP11	92.0	PS9B12N060DH11	92.0
12	80	17 1/2	PS9B12N080UP11	92.0	PS9B12N080DH11	92.0
16	80	21	PS9C16N080UP11	92.0	PS9C16N080DH11	92.0
20	80	21	PS9C20N080UP11	92.0	—	—
16	100	21	PS9C16N100UP11	92.0	PS9C16N100DH11	92.0
20	100	21	PS9C20N100UP11	92.0	PS9C20N100DH11	92.0
20	120	24 1/2	PS9D20N120UP11	92.0	PS9D20N120DH11	92.0
20	135	24 1/2	PS9D20N135UP11	92.0	—	—

Affinity 8.S Furnaces

Nominal Tonnage	MBh Input	Width (inches)	Upflow/Horizontal		Downflow	
			Model Number	%AFUE	Model Number	%AFUE
12	40	14 1/2	PS8A12N040UH11*	80.0	PS8A12N040DN11	80.0
12	60	14 1/2	PS8A12N060UH11*	80.0	PS8A12N060DN11	80.0
12	80	14 1/2	PS8A12N080UH11*	80.0	PS8A12N080DN11	80.0
16	80	17 1/2	PS8B16N080UH11*	80.0	PS8B16N080DN11	80.0
22	80	21	PS8C22N080UH11*	80.0	—	—
12	100	17 1/2	PS8B12N100UH11*	80.0	PS8B12N100DN11	80.0
16	100	17 1/2	PS8B16N100UH11*	80.0	—	—
20	100	21	PS8C20N100UH11*	80.0	PS8C20N100DN11	80.0
16	115	21	PS8C16N115UH11	80.0	PS8C16N115DN11	80.0
20	115	21	PS8C20N115UH11*	80.0	PS8C20N115DN11	80.0
20	130	24 1/2	PS8D20N130UH11*	80.0	PS8D20N130DN11	80.0

*Model available in LoNox
All Units are 40" high x 30 1/8" long



A difference you can feel and see

Compare the Affinity S series to the Dept. of Energy furnace operating standard (based upon 80% AFUE) and it's easy to see why you'll feel right at home with York.

	9.S	8.S	D.O.E Min. Standard
Utility Savings	20%	0%	0%
Comfort†	★ ★	★ ★	★
Warranty	W W W W	W W	W
Sound	🔊 = 🔊		

† Includes temperature and humidity levels.

Take comfort, year in and year out

York backs every Affinity™ system with one of the industry's best limited warranties. Every Affinity 90% AFUE gas furnace is backed with a lifetime limited warranty on the heat exchanger. Every Affinity 80% AFUE gas furnace is backed with a lifetime limited warranty on the heat exchanger. Every Affinity 80% AFUE gas furnace is backed with a 20-year limited warranty on the heat exchanger. Both come with a 5-year limited warranty on all other parts. And if you purchase any York series gas furnace with a matching Affinity 8T series air conditioner or heat pump, you'll receive our Premium System Warranty program: A 10-year limited parts warranty and a lifetime limited compressor warranty.

90% Furnace Warranty



80% Furnace Warranty



Premium System Warranty



Take comfort in York Innovation



For over 130 years, York has pushed the limits with innovative ways to increase comfort, lower costs and satisfy consumers. Our history includes cooling the first theater,

hotel, and office building in the United States. Our systems are found worldwide, from the U.S. Capitol to the Taj Mahal. With Affinity, we've taken the next step in offering you our most stylish, most efficient, and highest performing system ever.

Affinity: part of a total York comfort system

Extend your quiet, efficient comfort with York air conditioners — which are designed for the same level of money-saving efficiency, quiet operation, and durability.

York total comfort systems also includes a full complement of Indoor Air Quality products and the Talking Thermostat™. Now you can program your home comfort system with help from audible instructions at the touch of a button. Your contractors contact information is also available, right at your fingertips.



Champagne



The Affinity series air conditioners are also the only home comfort system on the market that offer a choice of seven different exterior colors.



Gun Metal

Bermuda

Chocolate

Now homeowners can pick the color that stylishly complements their home, landscaping and lifestyle.

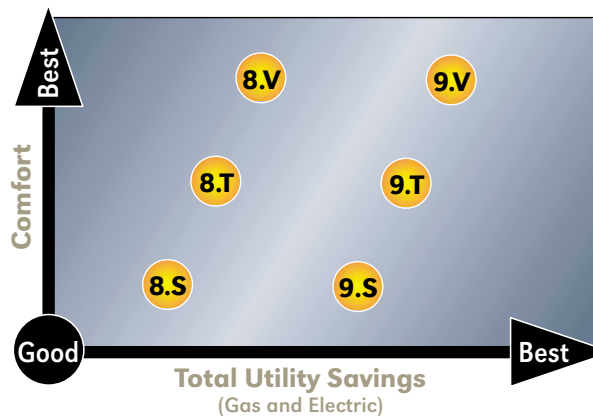


Jet Black

Stone

Terra Cotta

Selecting the right furnace



Use this easy reference chart to select the furnace that best meets your needs for utility costs and home indoor comfort.



It's time to get comfortable.