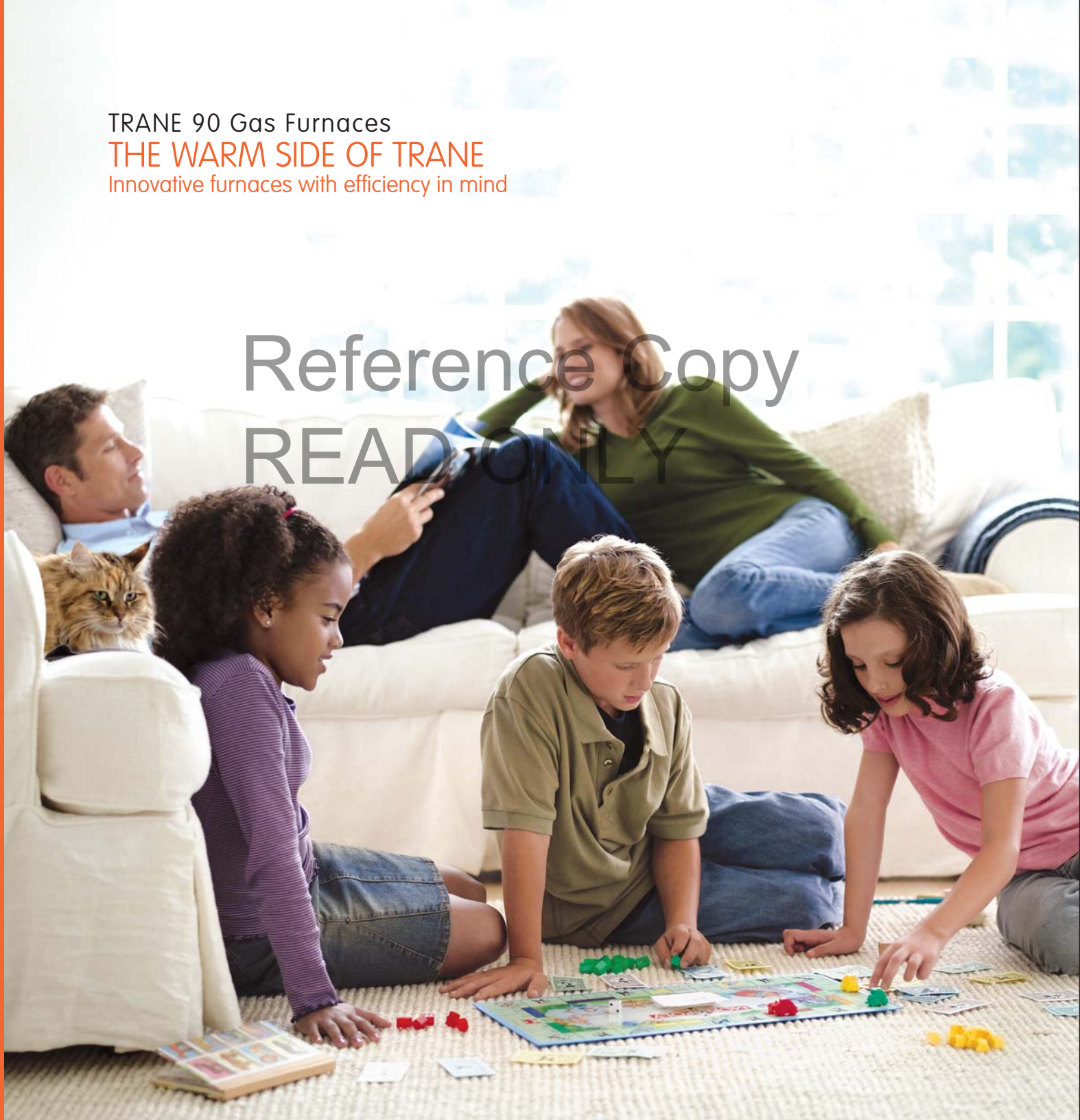


TRANE 90 Gas Furnaces  
**THE WARM SIDE OF TRANE**  
Innovative furnaces with efficiency in mind

Reference Copy  
READ ONLY





## THE 90 FAMILY OF GAS FURNACES

Exceptional comfort even on  
the coldest days.

You depend on your furnace to take care of your home and family's heating needs. That's exactly why we build every Trane 90 gas furnace to be as durable and reliable as possible. Trane 90 furnaces are quiet and cost less to operate with a very high AFUE (Annual Fuel Utilization Efficiency). They are so efficient that up to 90% of the fuel you pay for is actually converted into heat for your home. And the temperature control is precise, delivering a higher level of comfort. You get clean, comfortable air even when the weather outside is frigid.

### XV90i

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- ≡ Converts over 90% of your fuel into heat, warming your home more cost effectively.
- ≡ Features two-stage heating and a variable-speed blower motor with Comfort-R™ for enhanced, quiet comfort and utility savings.
- ≡ Now available with factory-installed TRANE CleanEffects™ air filtration technology for superior indoor air quality throughout your home.
- ≡ Works in summer with your air conditioner and cooling coil to distribute cool air and dehumidify your home with our exclusive Comfort-R™ mode.

XV90i

# THE TRANE 90 AFUE GAS FURNACES PROVIDE MAXIMUM, ROOM-TO-ROOM

You can really feel — and hear — the difference a Trane Furnace makes.

When you install a TRANE 90 gas furnace as part of a complete system, you'll get reliable, affordable and consistent warmth in the winter; evenly distributed, humidity-controlled cool air in the summer; and cleaner, filtered air all year round. You can maximize your home heating and cooling performance even further with

a Trane "matched system." A matched system is comprised of multiple Trane components, each designed and engineered to work seamlessly together to enhance overall performance. There is simply no better way to create a fresh, comfortable climate for you and your family. Ask your independent Trane dealer for details.

## What makes a Trane matched system?



### OUTDOOR UNITS

**Air Conditioner:** Cools the hottest days with reliability you can count on, year after year.



### INDOOR UNITS

**Gas Furnace:** Warms your home in the winter. Also works with an air conditioner to circulate cool air in the summer.



### ENERGY RECOVERY VENTILATORS (ERVS)

Introduce fresh outdoor air while removing stale indoor air. Efficiently recover heat and moisture from the exchanged air for enhanced comfort and energy efficiency.



### AIR CLEANERS

Available in a variety of models from standard filters to fully integrated air filtration systems. An air cleaner can make a significant difference in the air quality in your home.



### COILS

As air passes through it, the coil serves as a "heat exchanger," working in conjunction with a furnace and air conditioner to cool your home.



### CONTROLS

Programmable or non-programmable, Trane thermostats are precise, easy to use and fit into any decor.

## MAXIMIZE YOUR COMFORT.

These top-of-the-line components feature technological advancements that allow you to further refine your system, making your home an even better place to live.

### TRANE CleanEffects™:



Remove up to 99.98% of airborne allergens from the filtered air, reducing triggers for asthma and allergies. (TFD models)

### Comfort Controls:

Precisely control temperature and humidity for maximum comfort and energy efficiency. Some also indicate when to change the filter.



### Humidifiers:

Add moisture to the air to alleviate dry skin and reduce static electricity.



...used in the right combinations.



### ELECTRIC & GAS

The most common system, this includes an air conditioner, furnace, ERV, air cleaner, coil and control.

# COMFORT FOR YOUR ENTIRE HOME.

## Engineered for exceptional comfort.

Each Trane furnace is intelligently designed — with innovative technological touches throughout — for precision engineering that puts this generation of furnaces in a whole new class. Every component is interrelated and balanced to support one another. And the entire furnace is operated by an integrated control — the furnace’s “brain” — that constantly adjusts for maximum efficiency and ultimate comfort.

## Two-stage heating for maximum comfort.

Two-stage furnaces typically run at the first stage (65% of full capacity) up to 80% of the time. This virtually eliminates short cycling and temperature swings in the home. The furnace runs longer but at an energy-saving level — increasing the circulation as the system has longer to “stir” the warmed air into the environment. When more heat is needed, the second stage is called upon for added comfort.

## Get cozy with variable-speed and Comfort-R™.

TRANE XV90i furnaces include a variable-speed blower motor with Comfort-R technology for even more comfort and humidity control. A variable-speed motor is quieter, eliminating noisy startups and shutdowns. Variable-speed helps distribute warm air more evenly into every room — even in hard-to-heat rooms. Our exclusive Comfort-R feature, which is preset by your installer, permits even further fine tuning — allowing a preset delay, which provides greater humidity control during cooling.

## What is Trane Air™?

We’ve devoted years to producing air that has been flawlessly conditioned and meticulously cleaned. We call it Trane Air — and our exclusive TRANE CleanEffects™ air filtration system is specially designed to help deliver it throughout your home.

Our built-in TRANE CleanEffects technology removes up to 99% of airborne allergens from the air that is heated or cooled. Whether you prefer the space-saving flexibility of our built-in model or the proven performance of our original unit, you can be sure that TRANE CleanEffects is the most technologically advanced air filtration system available.

Just how effective is TRANE CleanEffects? No air filtration appliance or system comes close to its clean air delivery rate. And clean air delivery rate is what really matters. It’s about cleaning efficiency and airflow. Simply put, TRANE CleanEffects delivers cleaner air and more of it.

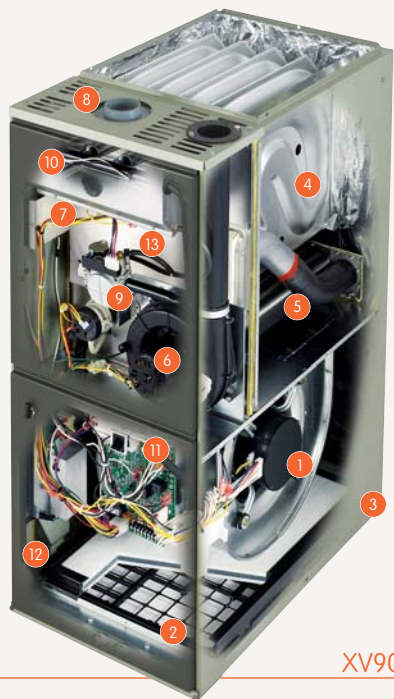
Type of Air Cleaner	Clean Air Delivery Rate
TRANE CleanEffects™	1200
Whole-House Electronic Air Cleaner	660
Whole-House 5" Media	240
Typical Room HEPA Appliance	150
Typical 1" Filter	12
Typical Ionic-Type Appliance	10

Clean air delivery rate is a fair comparison of a typical 3-ton, whole-house heating and cooling system and standalone air-cleaning appliances.



It's Hard To Stop A Trane.®

## TRANE 90 GAS FURNACES ARE PACKED WITH STATE-OF-THE-ART TECHNOLOGY FOR EXCEPTIONAL, COZY COMFORT.



XV90i

Features and components may vary by model and are shown for illustration purposes only.

- 1 Variable-Speed Blower Motor With Comfort-R™**  
 Operates quietly and efficiently at lower speeds than conventional blowers, gently warming your home. Trane's exclusive Comfort-R™ feature provides greater humidity control during cooling.
- 2 Built-In TRANE CleanEffects™ Technology (Select Models)**  
 The most advanced clean-air system integrated into the furnace cabinet for easy, all-in-one installation and a cleaner, more comfortable home.
- 3 Heavy Steel Insulated Cabinet**  
 Ensures more heat circulates into your home, increases durability and reduces sound.
- 4 Primary Heat Exchanger**  
 Crimped, not welded, to prevent stress cracks. Made from heavy-duty aluminized steel for long life. Backed by a lifetime limited warranty.
- 5 Stainless Steel Secondary Heat Exchanger**  
 Designed to be corrosion resistant and capture more of the heat you pay for to warm your home. Backed by a lifetime limited warranty.
- 6 Variable-Speed Draft Inducer**  
 Quietly provides proper gas combustion.
- 7 Adaptive Hot Surface Silicon Nitride Igniter**  
 More reliable than standard igniters. Automatically adjusts as your system operates to improve fuel efficiency and respond to your comfort needs.
- 8 Direct Vent Option**  
 Uses 100% outdoor air for fresher air, added comfort and longer furnace life.
- 9 Two-Stage Gas Valve**  
 Provides only as much fuel as each stage requires for greater efficiency.
- 10 Efficient Burners**  
 Multi-port in-shot burners perfectly shape the flame cone for maximum heat while using less fuel.
- 11 Self-Diagnostic Controls With LitePort™**  
 Control every function with digital accuracy, complete with safety features and a built-in troubleshooting system.
- 12 Automotive-Grade Gaskets**  
 Reduce operating sound and air leakage.
- 13 Sealed Combustion**  
 A completely sealed burner compartment for quieter operation.

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- ≡ Reliable
- ≡ Durable
- ≡ Clean Air
- ≡ Comfort Control
- ≡ High Efficiency
- ≡ First-Rate Warranties

### XL90 Two-stage heating for gentle warmth

Two-stage heating provides ideal comfort in the transitional seasons and in the height of winter.

### XT90 Single-stage with high efficiency motor

Features a high efficiency blower motor for savings in gas and electricity used to heat your home.

### XR90 Single-stage heating

Cost-effective performance that converts 90% of the fuel you pay for into heat for your home.

### XB90 Single-stage heating

Dependable performance and efficiency so your home and budget can be comfortable.

90 Furnaces	XV90i	XL90	XT90	XR90	XB90
Variable-Speed Blower Motor	•				
Comfort-R™ Humidity Control	•				
Built-in TRANE CleanEffects™ Technology	•				
Compatible with TRANE CleanEffects TFD Models		•	•	•	•
High Efficiency Continuous Fan Mode	•				
High Efficiency Motor	•		•		
Four-Speed Blower Motor		•	•	•	•
Two-Stage Gas Heat	•	•			
40" High x 28" Deep Cabinet	•	•	•	•	•
Convertible To Horizontal	•	•	•	•	•
Self-Diagnostic Microelectronic Control	•	•	•	•	•
Adaptive Silicon Nitride Hot Surface Igniter	•	•	•	•	
Multi-Port, In-Shot Burners	•	•	•	•	•
Prepainted Galvanized Steel Cabinet	•	•	•	•	•
Cleanable Filter	•		•		
One-Piece Heat Exchanger With No Welds	•	•	•	•	•
Insulated Blower Cabinet	•	•	•	•	



## GET MORE COMFORTABLE WITH TRANE EFFICIENCY AND QUALITY.

### Designed for maximum efficiency.

Each Trane furnace functions at or above 90% efficiency, so that 90% or more of the fuel you pay for is turned into heat for your home. This AFUE (Annual Fuel Utilization Efficiency) rating is among the highest in the industry, far exceeding the federal government requirement of 78% AFUE for new furnaces. If you have a furnace that is 10 years old or older, it's probably within the 60 to 70% range, which means that up to 40 cents out of every dollar you spend on fuel might be wasted. Install a Trane high efficiency furnace, and you'll enjoy the ultimate in energy savings as well as comfort.

### Customer satisfaction comes standard.

Your independent Trane dealer is uniquely qualified to help you install the perfect systems for your home, one that performs flawlessly and delivers perfectly conditioned, comfortable air day after day, all year long, for years to come. In fact, Trane dealers are among the most knowledgeable and experienced at installing and servicing high-performance, precision-engineered heating and cooling systems. With a Trane dealer, you know that you're working with someone who is committed to your total satisfaction.



## TAKE COMFORT IN OUR FIRST-RATE WARRANTIES.

Your investment in a TRANE XV90i, XL90, XT90 or XR90 is well protected, with a lifetime limited warranty on the primary and secondary heat exchangers and a 5-year limited warranty on internal functional parts. The XB90 has a 20-year limited warranty on the heat exchangers and a 5-year limited warranty on internal functional parts.

If your Trane furnace is installed at the same time as a new TRANE XLi outdoor condensing unit, it may be covered for 10 years on internal functional parts as part of the outdoor unit system warranty.

Optional Extended Warranties are also available. Ask your independent Trane dealer for full warranty information at time of purchase.



*It's Hard To Stop A Trane.®*

P.O. Box 9010  
Tyler, TX 75711-9010

### Raising the standard of comfort for over 90 years.

For over 90 years, we've been making products that deliver unparalleled comfort, and feature innovative components that increase efficiency, reduce breakdowns and clean the air your family breathes. That's because at Trane, it's not just about heating and cooling, it's about making your home a better place for living. You can expect more from Trane.



FOR MORE INFORMATION, VISIT US AT [TRANE.COM](http://TRANE.COM)