

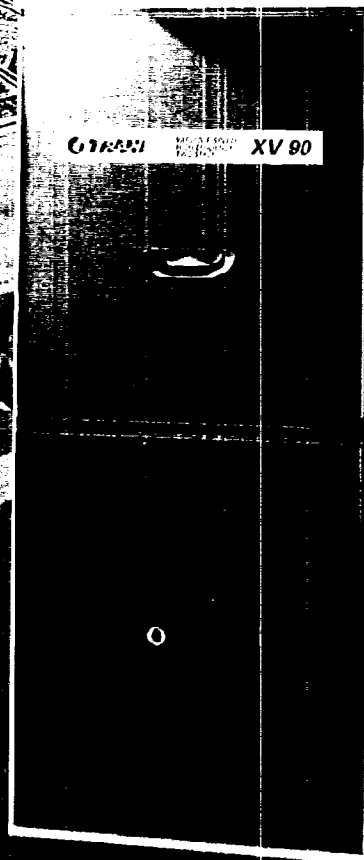
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AFU



TRANE

You Can Feel The Difference

XV 90 Variable-Speed Gas Furnace





THE ULTIMATE IN COMFORT.

When your home is filled with an even, continuous warmth both day and night – that's the ultimate in comfort. And that's what you can expect from the Trane XV 90 Variable Speed Gas Furnace. You can also expect lower heating bills, because the XV 90 is more than 92% efficient.



Annual Fuel Utilization Efficiency (AFUE) rating reflects the efficiency of a gas furnace in converting fuel to energy.



Your present furnace more than likely allows a temperature swing of 3° to 5° before turning on or off. With a Trane variable speed gas furnace, those days are gone forever.

WHY VARIABLE SPEED MAKES A DIFFERENCE.

The XV 90's variable speed blower and draft inducer motor is a "smart" motor, which means it varies its speed depending upon your home's heating requirements.

And the Integrally Controlled Motor (ICM) operates quietly, particularly during first stage or low heat operation. During continuous fan operation, the blower operates at 50 percent of cooling airflow, so sound is minimized.

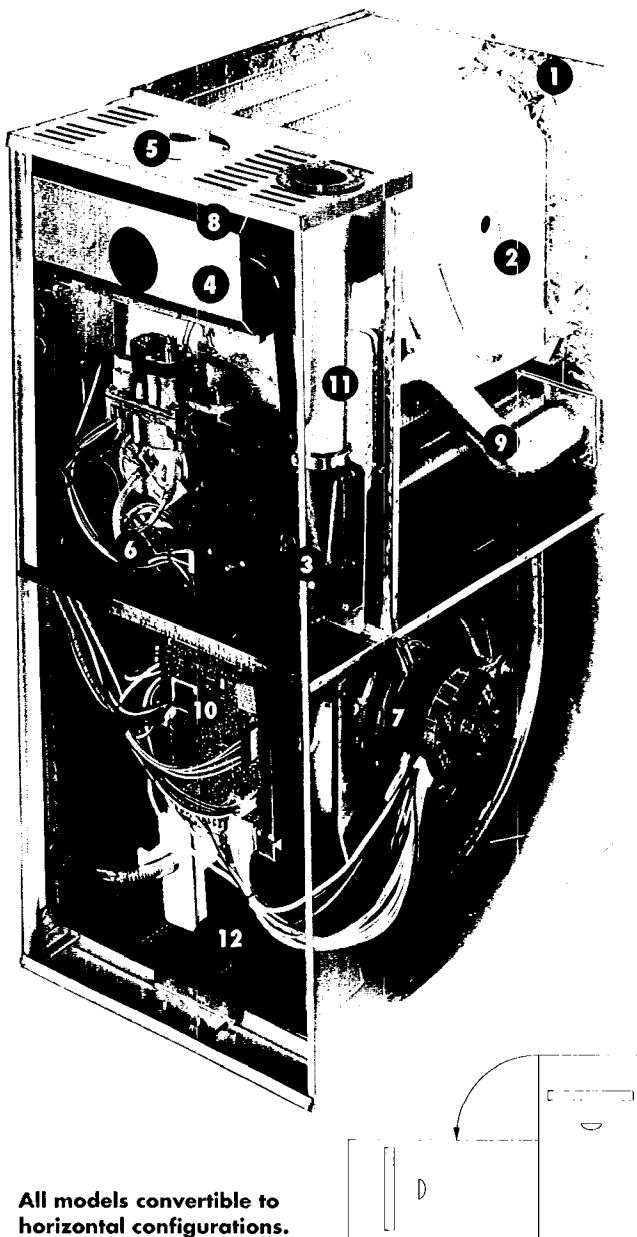
And here's another variable speed feature you'll love. Because a variable speed furnace operates at slower speeds, your indoor air quality will greatly improve. A slower fan speed means more unwanted particles cling to the filter, allowing cleaner air to flow into your home.

TWO STAGES ARE BETTER THAN ONE.

Most conventional furnaces heat your home with a single "full-blast" speed. Not the XV 90. Its two-stage heating virtually eliminates the discomfort of temperature swings caused by short-cycling – a situation common to single-stage furnaces. The unit operates on the first stage more than 95 percent of the time, delivering more even, continuous heating. It switches to the high heat stage only when absolutely necessary. And while the furnace may actually run longer, it ultimately uses a lot less energy on the lower-stage operation than single-stage furnaces.



THE XV 90'S INSIDE COMFORT STORY.



All models convertible to horizontal configurations.

XV 90 VARIABLE SPEED GAS FURNACE

MODEL	NOMINAL CAPACITY	HEIGHT (IN.)	WIDTH (IN.)	DEPTH (IN.)	CAPACITY OUTPUT BTUH		ICS* AFUE
					STAGE 1	STAGE 2	
UPFLOW/HORIZONTAL LEFT							
TUY060R9V3V	3	40		28	37,000	57,000	
TUY080R9V3V	3	40		28	48,600	73,300	
TUY100R9V4V	4	40		28	61,500	92,900	
TUY120R9V5V	5	40		28	73,500	111,800	
DOWNFLOW/HORIZONTAL LEFT							
TDY060R9V3V	3	40		28	36,500	56,200	
TDY080R9V3V	3	40		28	48,600	73,300	
TDY100R9V4V	4	40		28	61,500	92,900	
TDY120R9V5V	5	40		28	73,500	111,800	

*Isolated Combustion System

1 HEAVY STEEL INSULATED CABINET
Greater durability, quieter operation. Holds heat inside the cabinet, ensuring that more heat circulates into your home.

2 PRIMARY HEAT EXCHANGER
Made of heavy duty aluminized steel for long life. Each exchanger is crimped, not welded, to prevent stress cracks. Backed by a lifetime limited warranty.

3 VARIABLE SPEED DRAFT INDUCER
Monitors pressure switch input, making periodic adjustments when needed to provide proper gas combustion. Eliminates nuisance no heat calls.

4 SILICON NITRIDE IGNITER
Starts burners electrically, eliminating a wasteful pilot light. A real energy saver and very durable and reliable. Backed by a 3-year limited warranty. (Not shown)

5 DIRECT VENT OPTION
Uses 100% outdoor air for combustion for increased equipment life and cleaner air.

6 TWO-STAGE GAS VALVE
Works efficiently with the variable speed blower by providing only as much fuel as each stage requires.

VARIABLE SPEED BLOWER MOTOR
Operates at a lower, more efficient speed than conventional blowers. This design eliminates short-cycling, the frequent starting and stopping common to many ordinary furnaces.

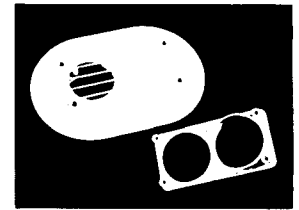
8 MULTI-PORT IN-SHOT BURNERS
Orifice design perfectly shapes the flame cone for the maximum heat possible, while using less fuel. (Not shown)

9 AL29-4C™ STAINLESS STEEL SECONDARY HEAT EXCHANGER
Captures more of the heat you pay for. Also, backed by a lifetime limited warranty.

10 SELF-DIAGNOSTIC CONTROLS
The solid state brain controls every function of the XV 90 with digital accuracy, complete with safety features and a built-in troubleshooting system. Backed by a 3-year limited warranty.

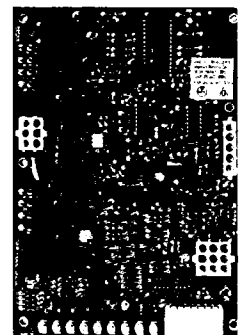
11 INTERNAL VENT PIPE
Made of long-lasting Noryl material.

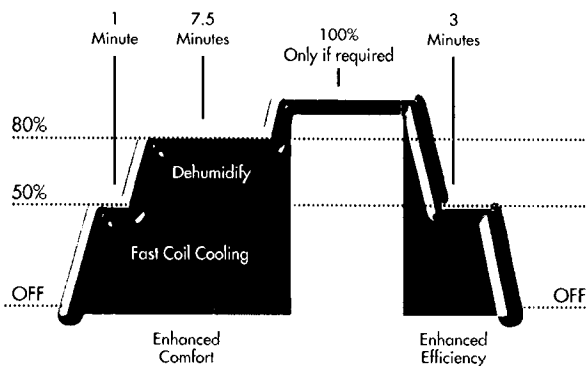
12 CLEANABLE FILTER
Lets you rinse or vacuum instead of buying replacements each time. Easy to remove.



The XV 90 is also designed with a direct vent option. A furnace may be exposed to corrosive materials in your home which could lead to component damage. Direct venting avoids exposure to these elements by using 100 percent outdoor air for combustion. This two-pipe design allows the vent gases to flow through one pipe while fresh outside air flows through the other.

The stylish sidewall vent termination kit (shown above) provides a nice, finished appearance outside your home.





ENHANCED AIRFLOW FOR GREATER HUMIDITY CONTROL.

If you have a central air conditioner, you'll really feel the difference with our exclusive enhanced cooling feature, an extra added bonus that comes with the XV 90 furnace. This will give you more comfort during cooling because of greater humidity control.

During cooling, air moves over the coil more slowly at start-up. This allows the coil to rapidly cool down, resulting in increased moisture removal. This managed cycle of cooling reduces temperature variance for the optimum in home comfort.



During its first year alone, your new XV 90 variable speed two-stage gas furnace can deliver 50 percent more comfort and savings than an older, single-stage furnace depending on match-up of indoor/outdoor system components.

XV 90 BENEFITS.

Lowers Utility Bills

- 92+% AFUE Efficiency

Fits Almost Anywhere

- 40" High Cabinet
- Depth Only 28"
- Convertible to Horizontal

Runs Day After Day

- Microelectronic Controller
- Heavy Steel Cabinet
- New Silicon Nitride Igniter

Built To Last

- Multi-Port In-Shot Burners
- One Piece Heat Exchanger. No Welds. No Stress Cracks.
- AL29-4C™ Stainless Steel Secondary Heat Exchanger
- Sealed Combustion - Direct Vent Option
- Electro-deposition Paint
- Cleanable Filter

Quiet Comfort

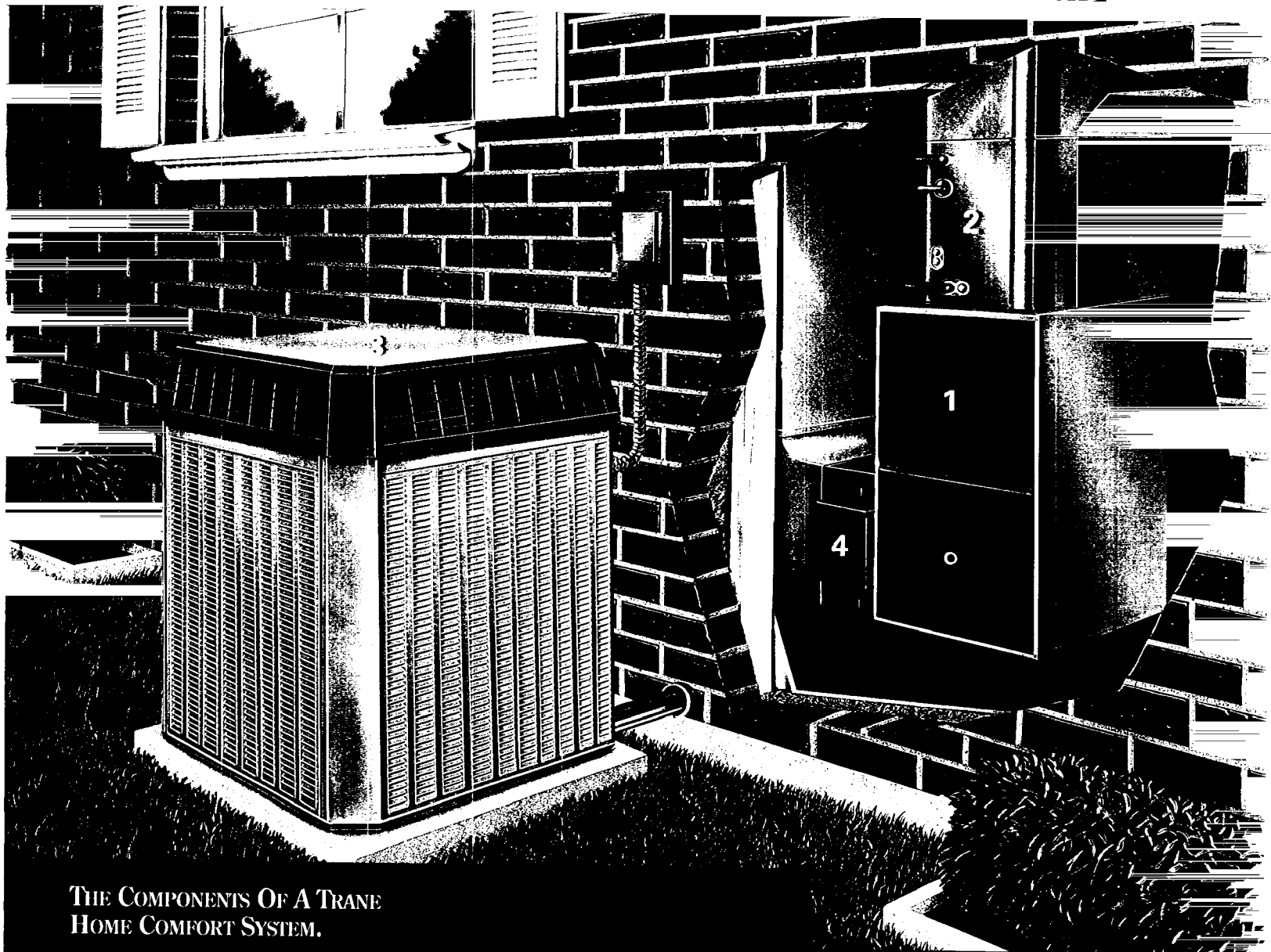
- Two-Stage Gas Heat
- Variable Speed Blower and Draft Inducer Motor
- Insulated Cabinet

Backed By Trane

- Lifetime Limited Warranty On Primary and Secondary Heat Exchangers (Residential Use)
- 3-year Limited Warranty On Integrated Ignition Control And Silicon Nitride Igniter (Residential Use)
- 1-year Limited Warranty On All Other Parts
- Optional Extended Warranties Available



THE TRANE SYSTEM STORY ALWAYS HAS A HAPPY ENDING.



THE COMPONENTS OF A TRANE HOME COMFORT SYSTEM.

1. Furnace.

Trane's furnaces are compact, reliable and highly intelligent. They feature high efficiency variable speed motors, self-diagnostic controls, a patented, serpentine-shaped heat exchanger and the efficient Multi-Port In-Shot burners.

2. Indoor Cooling Coil.

To deliver the highest efficiency, Trane's indoor cooling coils are matched in size and SEER rating with the outdoor unit.

3. Air Conditioner.

A high efficiency air conditioner means more money in your pocket and fewer natural resources wasted. And, as an extra bonus, it will operate so quietly, you may not even know it's running.

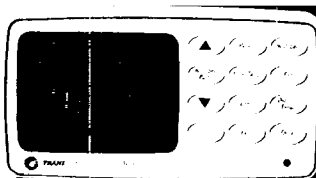
4. Air Cleaner.

Removing unwanted particles such as pollen and dust from conditioned air improves system operation and your comfort.

Beginning with an XV 90 inside your home and a Trane high efficiency air conditioner on the outside, you can have a Trane-built comfort system that is efficient, durable and reliable.

WHY A MATCHED SYSTEM IS IMPORTANT.

A heating and cooling system is made up of individual parts. And, even though each component is separate, they're all designed and engineered to work together as a system. A perfectly balanced system is the best way to get the highest comfort and efficiency. When you match the XV 90 variable speed gas furnace with a Trane high efficiency air conditioner, you've installed a system with one of the highest efficiencies available.



A programmable thermostat with accurate temperature control from Trane is reliable and simple to set. (Optional accessory, purchased separately.)

A TRADITION OF INNOVATION.

Innovation and expert engineering have been a hallmark of The Trane Company since 1931 when our founder Reuben Trane patented the company's first air conditioning system. From that time on, Trane has been a leader in the advancement of heating and air conditioning technology.

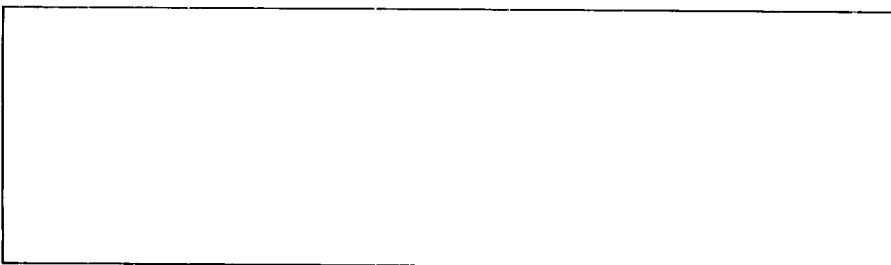
THE RIGHT SIZE SYSTEM FOR YOUR COMFORT NEEDS.

When buying a home comfort system, selecting the right size is crucial. For instance, an air conditioner that is too large will cool your home quickly but you still may not feel comfortable. It will satisfy the thermostat before it can adequately remove sufficient moisture from the air.

As you might expect, a system that is too small just cannot get the job done. Your local Trane dealer can help you determine the right size system.

He'll measure the windows, check the insulation, ductwork, and building materials, plus other things that can directly affect system size. He'll make sure you select a system that fits your particular lifestyle and home comfort needs.

As part of our continuous product improvement, The Trane Company reserves the right to change specifications and design without notice. Read important energy cost and efficiency information available from your dealer.



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EXTENDED WARRANTIES.

Trane manufactures some of the finest equipment in the industry, but of course we understand that mechanical components are occasionally subject to failure. Our extended warranty program was designed to give you complete peace of mind for the length of your agreement. And Trane pays the bill for any equipment replacement. Ask your dealer for details.



SO, WHY TRANE?

- Our continuing commitment to quality.
- The reliability of our products.
- Our durability. Trane products are built to last.
- Lower operating costs.
- You really can feel the difference.



All model designs are certified by the American Gas Association Laboratories to comply with national standards for safety, performance and durability.



Listed by Underwriters Laboratory



As an Energy Star Partner, Trane has determined that some models meet the Energy Star guidelines for energy efficiency.



TRANE®

It's Hard To Stop A Trane.™

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