

Home Comfort Guide

BRITISH COLUMBIA

RELIABLE • COMFORTABLE • ENERGY EFFICIENT





Trane Furnaces

Efficient, Precise and Intelligent for Superior Comfort

All winter long, you depend on your furnace to meet the heating needs of your family and home. That's why we build Trane gas furnaces to perform again and again, year after year. Beyond performance, we also provide options for energy-efficient operation. In fact, some of our furnaces operate at over 95% efficiency, which means that 95% of the fuel you pay for is actually converted into heat for your home.

Expect More From Trane



Trane 95% AFUE Energy Star™ Furnaces	XC95	XV95	XR95
Comfortlink™ II Communicating Capability	•		
Communicating User Interface	•		
Variable-Speed Blower Motor with Comfort-R™	•	•	
Variable-Speed Draft Inducer	•	•	
Adaptive Silicone Nitride Hot Surface Igniter	•	•	•
Heavy Steel Insulated Cabinet	•	•	•
Multi-Port In-Shot Burners	•	•	•
Automotive-Grade Gaskets and Insulated Blower Compartment	•	•	•
Primary Heat Exchanger	•	•	•
Direct Vent	•	•	•
Secondary Heat Exchanger	•	•	•
Fully Modulating Gas Valve	•		
Lifetime Limited Warranty on the Heat Exchanger with registration*	•	•	•
10 year Limited Warranty on Functional Parts with registration*	•	•	•

*Registered Limited Warranty terms are available when you register within 60 days of installation. You can register online at trane.com or by phone at 800.554.6413, otherwise Trane base Limited Warranty information on specific products can be found on Trane.com

What is a Modulating Furnace?

A modulating furnace is a new approach to heating your home that allows more efficient use of fuel, and more consistent comfort. Furnaces of the past used a fuel valve that was either completely open or completely closed, like a light switch. But the Trane XC95m is the first furnace on the market to use a fully modulating gas valve, which can open to any level between 40% and 100%, making it work more like a dimmer switch.





EarthWise™ Hybrid System

Ultra Efficient

A Trane EarthWise™ Hybrid Split System combines a high efficiency electric Heat Pump with a variable speed Gas Furnace. With the flexibility of two energy sources, the system can actually optimize your utility use by switching back and forth to whichever source is most efficient for your comfort.





How EarthWise™ Hybrid Split Systems Work

In most areas of British Columbia, the electric heat pump can find enough ambient heat in the air to keep your home warm and comfortable well into fall. But when there's not enough ambient heat and a fossil fuel becomes the most efficient option, the system will switch to natural gas for the toasty, cozy heat of a furnace.

When winter ends and warm temperatures return, the heat pump will reverse its operation; instead of finding ambient heat in the air, it will pull the heat out of your home and radiate it outside. The furnace won't ignite, but will instead serve as a variable-speed blower to move the cooled air produced by the heat pump. This year-long efficiency is what makes Trane EarthWise™ Hybrids such a smart choice.

Trane Heat Pumps

An Experience Unlike Any Other The XL Comfort System

While all of Trane's heating and air conditioning systems are highly efficient, durable and reliable, our XL systems provide the ultimate in indoor comfort. These state-of-the-art comfort systems take comfort and efficiency to a new level, offering the consumer a one-of-a-kind comfort experience.

Providing year-round performance for total home comfort, heat pumps are a great solution for your home comfort system. That's because they work to provide both heating and cooling. Whether it's the hottest day of the summer, or the coldest day of winter, Trane heat pumps work day in and day out to keep your family in premium comfort.



Reliable • Comfortable • Energy Efficient



Trane Heat Pumps	XL20i	XL16i	XL15i
Dual Climatuff™ Compressor	•		
Climatuff™ Compressor		2 Stage	•
Comfortlink II™ Control Board	•		
Charge Assist Charging	•		
Full-sided Louvered Panels	•	•	•
Powder-Paint Finish	•	•	•
Weatherguard™ Fasteners	•	•	•
Two-Row All Aluminum Spine Fin Coil	•	•	•
Duratuff™ Rustproof Basepan	•	•	•
Compressor Sound Insulator	•	•	•
Weatherguard II™ Top	•	•	•
Integrated Fan System	•	•	•
Electronic Demand Defrost	•	•	•
12 year Warranty on the compressor with registration*	•	•	•
10 year Limited Warranty on Functional Parts with registration*	•	•	•

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XL20i Heat Pump - Ultra Efficiency

The XL20i is among the industry's most efficient heat pumps available, with a rating up to 19.00 SEER and HSPF up to 9.0. The XL20i has two compressors: one for milder weather and a second for days of extreme temperatures. It's like having two units in one.

The XL20i ComfortLink II communicating technology (available when matched with communicating indoor units) connects all of your key components so your system automatically charges, configures and calibrates for optimal performance and efficiency through the lifetime of your products.

XL16i Heat Pump - Super Efficiency

Whether it's hot or mild, the Trane XL16i offers flexible family comfort. With two-stage cooling and heating, your home will always be comfortable, even in rooms that have proved hard to heat or cool in the past.

XL15i Heat Pump - High Efficiency

The XL15i comes with a lot of noticeable benefits. Things like tough construction and efficient operation that lowers your energy bills. But one thing you won't notice is when it's running, because the XL15i is the quietest of all our single-stage systems.



TRANE CleanEffects™

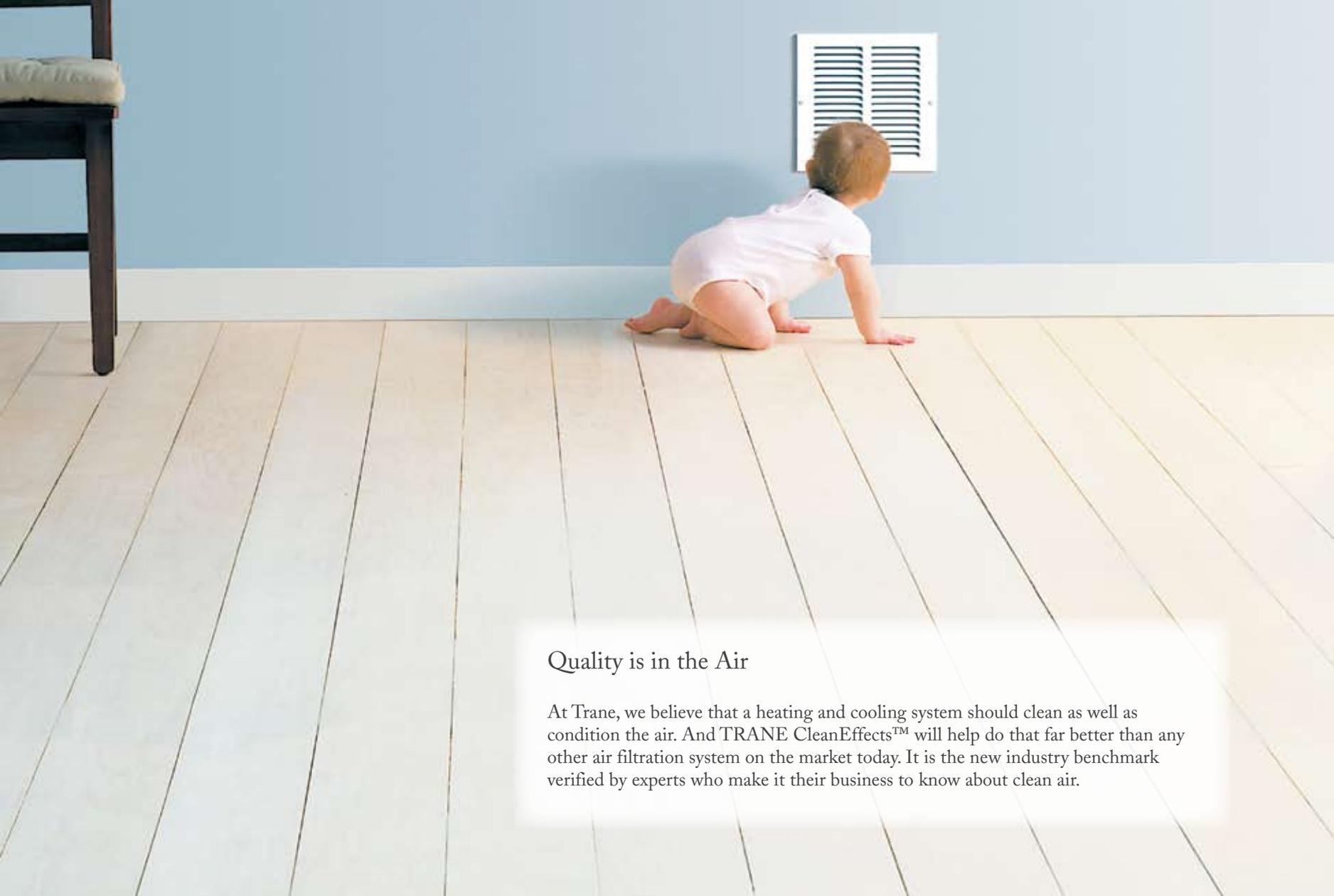
- ~ Removes up to 99.98% of allergens from the filtered air.
- ~ Traps particles down to .1 microns in size.
- ~ Up to 100 times more effective than a standard 1" filter.
- ~ Delivers cleaner air, and more of it.
- ~ Performance verified by leading experts at the Harvard School of Public Health.

Clean Air

TRANE CleanEffects™ Changes Everything

So what makes TRANE CleanEffects™ so different? In short, it's light-years ahead of anything else out there. In fact, it's up to 100 times more effective than conventional 1" filters, and nearly twice as effective as current electronic air cleaning systems. As a result, the clean air delivery rate is quite impressive.

For example, a 3-ton unit using standard 5" media can only produce a clean air delivery rate of 240, at only 20% efficiency. By contrast, a 3-ton CleanEffects™ system produces a clean air delivery rate of 1,200, cleaning up to an astonishing 99.98% of the particles from the filter air, down to .1 microns.



Quality is in the Air

At Trane, we believe that a heating and cooling system should clean as well as condition the air. And TRANE CleanEffects™ will help do that far better than any other air filtration system on the market today. It is the new industry benchmark verified by experts who make it their business to know about clean air.



1 Pre Filter

Traps large airborne particles and extends the time between cleaning the collection cells.

2 Field Charger

Facilitates up to 99.98% cleaning effectiveness by charging harmful airborne contaminants so they are attracted to an oppositely charged collection cell.

3 Reusable Collection Cells

Precision engineered to trap particles down to .1 microns in size. Vacuum is all it takes to make the collection cells like new again.

4 Painted Sheet Metal Cabinet

Constructed of heavy 18-gauge metal to protect the filter and internal electronics.

5 Power Door

Provides easy access to internal components. Features a filter status display as well as safety interlocks that automatically shut down the power when the door is opened for maintenance or cleaning.



TRANE CleanEffects™ whole-house air filtration system

A Revolution in Clean Air Technology

TRANE CleanEffects™ is built using patented technology called iFD or Intense Field Dielectric which charges particles moving through the air stream far better than the electronic air cleaners of the past. Drawing from the system transformer, the system creates a very high-voltage corona field over holes through which incoming air must pass. Since the air passes through many small, strong electrical fields, rather than over a single charged metal wire or plate, more airborne particles are charged and more particles are collected. As a result, TRANE CleanEffects™ can remove particles from the air that would normally pass right through traditional electronic air cleaners.

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
Standard 1" Filter	12
Typical Ionic-Type Appliance	10

Clean air delivery rates for typical whole-house air cleaning devices

A research conducted by researchers at the Harvard School of Public Health, in collaboration with scientists at Environmental Health and Engineering Inc. (EH&E), shows that Trane CleanEffects™, a whole-house air filtration system, removes more than 99 percent of the common flu, or influenza A virus, from the filtered air.

Because of the similarities among types of influenza viruses, Harvard and EH&E researchers concluded that Trane CleanEffects™ will remove more than 99 percent of other forms of the virus, including influenza B, influenza C and avian influenza (also a strain of influenza A virus) from the filtered air.

Comfort Controls

Comfort You Control

Trane offers a complete line of digital thermostats, programmable thermostats and comfort controls to meet your needs. Each has been designed to maximize the performance of Trane's heating and air conditioning systems with reliable, accurate temperature control. They're remarkably easy to use, and they're also easy on the eye. Your Trane dealer can help you select the model that's right for your system and your lifestyle.



Trane XL900 Features

ComfortLink II Communicating Capability

ComfortLink II communicating technology connects all of your key components so your system automatically charges, configures and calibrates for optimal performance through the lifetime of your products. When the optional Telephone Access Module (TAM) is added, you can conveniently adjust settings and receive system updates by the phone.

Reliable Operation

In addition to the benefits of the precise calibration and maintenance alerts of the communicating system.

Effortless Programming

A clear, menu driven setup makes programming quick and easy.

Trane XL800 Features

Flexible Comfort Control

Set your thermostat for seven-day programming you can copy, 24-hour programming or manual operation.

Reliable Operation

Will retain memory, has a real-time clock and changes for Daylight Savings Time.

Memory Capabilities

Your programming function can be stored in permanent memory.

Trane XL600 Features

Reliable Operation

Maintains program temporarily when power is interrupted.

Memory Capabilities

Thermostat will permanently retain your temperature settings.

Superior Dehumidification and Technology

Available with either single or variable speed motors, Trane air handlers make a significant contribution to the overall efficiency of a Trane home comfort system. And, our air handlers also provide a significant increase in comfort, with advanced airflow systems and variable CFM settings, as well as unrivaled dehumidification features.

Putting an End to Temperature Swings

Many standard indoor units have only three fan speeds. But Trane units have 12 different selectable CFM settings, which means greater airflow flexibility and more customization opportunities on the part of a dealer. This kind of flexibility allows a dealer to design a home comfort system based on the specific airflow requirements of a home and on the specific comfort requirements of the homeowner. Once a homeowner's "comfort zone" has been established, temperatures will vary much less than a standard system, which leads to greater comfort and long-term satisfaction.



Air Handlers

Trane's Air Handler Family

Choose from two-speed to high efficiency variable speed models with built-in TRANE CleanEffects™ ifD technology, perfect for limited space applications. Regardless of the climate or season, a Trane air handler provides consistent, reliable comfort.

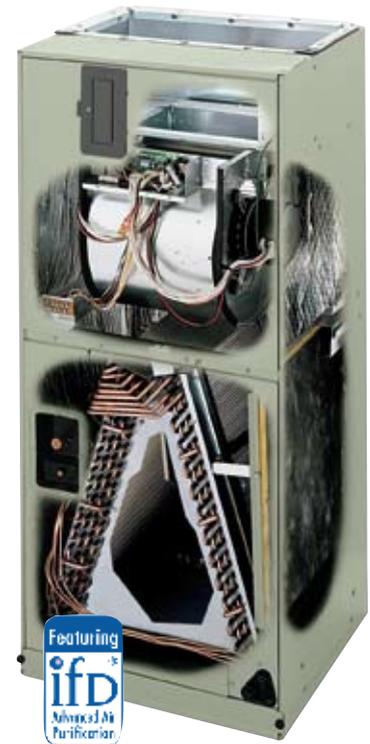


Trane Comfort-R™ Removes Moisture and Adds Comfort

In many regions of the country humidity can make the summer a miserable experience for homeowners. But, Trane can make summer a pleasant experience with a variable speed blower motor and the Comfort-R™ enhanced mode of operation. This feature is available on all air handlers, furnaces and packaged units.

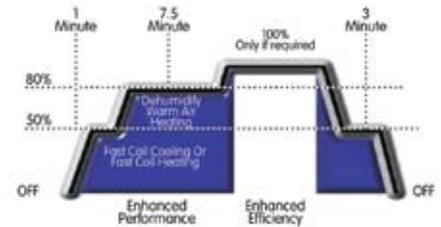
The secret of Comfort-R™ is the managed ramping system of the ECM variable speed motor. During cooling, the ECM motor ramps up slowly, moving air slowly across the coil and giving it a chance to cool. The motor then ramps up to 80% where it stays for 7.5 minutes. By ramping up slowly and running longer at a lower speed, the variable speed system is able to remove more moisture from indoor air.

After the thermostat is satisfied, the motor then ramps down to 50% where it operates for three additional minutes. By managing the ramp up and ramp down of the variable speed motor, Comfort-R™ assures humidity control and quieter operation with the greatest level of comfort.





Comfort-R™ provides improved dehumidification in cooling start up and warmer air start up in heating. This is accomplished by running the fan at a slower speed during start up. A simple change of the blower control setting provides this enhanced level of comfort.



Trane's Reliability Testing Facility

Systems Extreme Environmental Test Laboratory (SEET)

In the SEET lab, Trane technicians will put a heat pump system through 2,688 hours of continuous testing, watching for signs of weakness or unusual wear. Why do we only test heat pumps? Because if a Climatuff® compressor can withstand SEET as a heat pump, it will easily handle any stress it may encounter as an air conditioner. During the 16-week testing period, heat pump systems undergo two-week cycles of torture, eight consecutive times, allowing engineers to measure and manage a system's quality and performance. Only the strong survive.

Round 1: Heating defrost with snow

Outside temp: 23° with snow & ice

Inside temp: 90°

Objective: The heat pump's challenge is to heat and maintain an inside room at 105° while operating in sub-freezing conditions. This test will require the compressor to work very hard and run almost continuously.

Round 2: Cooling

Outside temp: 100° with fan off

Inside temp: 75°

Objective: To cause the unit to cycle on overload by simulating outdoor fan failure. This test will also determine if the unit will restart after it cools down.

Note: When pressure builds too high, the internal pressure relief valve will open and discharge hot gases over the internal motor overload device, which in turn will open and shut down the compressor.



XLI Dual Compressors with Spine Fin

Round 3: Minimum load heating

Outside temp: 0°

Inside temp: 90°

Objective: With minimum refrigerant flow, compressor bearings could seize because there's not enough oil to lube the bearings to keep them from burning. The Climatuff® compressor has the velocity necessary to pull oil back through the lines and into the compressor to lubricate all bearing surfaces.

Round 4: Power shut off

Objective: After 12 hours of power outage, oil can drain or be washed off bearing surfaces by refrigerant migration. On start-up, Trane's unique bearing plating will serve as a boundary lubricant until oil flow is established. This test simulates the effects of a power outage, giving engineers the opportunity to see if the compressor can withstand starting conditions with little or no oil pressure.

Round 5: Cooling max. load #2

Outside temp: 125°

Inside temp: 90°

Objective: To remove excessive indoor heat, getting rid of it outdoors. System is cycled and must restart and run without tripping off.

Round 6: Cooling flood

Outside temp: 85°

Inside temp: 80° with blower off

Objective: To subject the compressor to the mechanical stresses of liquid refrigerant flood back or TXV shutoff. Gross system overcharge or blocked indoor airflow could cause this condition.

Round 7: Cooling max. load

Outside temp: 125°

Inside temp: 80°

Objective: To attempt to force the compressor to shut down under the stress of high load conditions and load voltage.

Round 8: Power shut off

Outside temp: 125°

Objective: To produce a start-up situation that could seize most compressors due to low oil pressure across the bearings.

Safety Innovation

Duct Smoke Detector is the latest innovation for early detection of smoke and products of combustion present in air moving through your home's ducts. The unit is designed to prevent the recirculation or spread of smoke by air handling systems, fans, and blowers. In the event of smoke detection, complete systems will be shut down.



Weatherguard™ II Top

- ~ Withstands 1,440 hours of 194° desert heat
- ~ Withstands 100 ft/lbs of impact in -35° Arctic cold
- ~ Withstands a 300-pound load
- ~ Withstands the impact of a 90 mph fastball

Weatherguard™ Fasteners

- ~ Rust resistant
- ~ Meet 1,500-hour salt spray test
- ~ Double the thread engagement area
- ~ 50% improvement over ceramic coated screws

Seacoast Shield

- ~ Protects transition joints from salt spray and pollution
- ~ Eliminates need for corrosion prevention materials
- ~ An added durability feature for ocean-front environments

Integrated Steel Cabinet

- ~ Powder painted louvered panels
- ~ Full coil protection
- ~ G90 galvanized steel construction
- ~ Interlocking seams create a tight fit and finish
- ~ X-brace construction enhances cabinet stability
- ~ Recessed screws, rounded edges and integrated panels make our outdoor products safe for any backyard

Duratuff™ Basepan

- ~ Molded-in color will not fade
- ~ Withstands 135° 20-year accelerated heat test
- ~ Won't crack, warp, corrode or rust
- ~ Withstands an 800-pound load

Durability by Design



Trane Protection

Trane's warranty programs can offer you years of worry-free protection. Because we stand behind everything we build, your new system is covered by some of the best Manufacturer's Limited Warranties in the

industry. For owners looking for a little extra security, your dealer can offer optional Extended Warranties to give you years of worry-free protection long after your system has been installed.

Savings with LiveSmart BC Rebates

	Interior Rebate	South Coastal Rebate
Gas Furnace Replacement*	\$1,130	\$770
Air Source Heat Pump Installation*	\$1,450	\$1,420

According to Natural Resources Canada, homeowners can save up to 50% on their heating and cooling operating costs. Your Trane professional can help you maximize both your home comfort and energy savings.

Finance Options

To help you start enjoying the benefits of a Trane Home Comfort System today, we offer flexible 2 year, 5 year and 10 year monthly payment programs at very competitive rates.*

*On qualified systems only. See dealer for details. Program is subject to change without notice.

Heating, Cooling and Beyond

It's the Trane Difference

Trane does things differently. We don't just settle. We go beyond. Trane engineers spend years researching and developing products to exceed your expectations. Products that last longer, work harder, and save you money every month. But it goes beyond innovation. We design our products and components using the most durable materials available.

But it goes beyond reliability. We manufacture our products with the tightest specifications and the highest industry standards, test them repeatedly, and back them with an iron-clad warranty. But it goes beyond trust. To Trane, it's about creating your perfect environment.

A healthy, comfortable living space that offers refuge from the harsh outside world. It's a cool breeze on a hot summer day. It's a cozy, bright space in the dead of winter. It's healthier, cleaner air in every room. It's Heating, Cooling and Beyond.



Expect More From Trane