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## Trane CleanEffects™

Patented technology.  
Superior performance.



*It's Hard To Stop A Trane.®*





## Trane CleanEffects™ is unlike anything else out there. So is the

### Today's air needs tomorrow's air cleaning system.

There may be more in your home than you know. In fact, the air inside your home can be up to 5 times more polluted than the air outside. Because while today's better-insulated homes do a great job of keeping out the elements, they also hold in airborne particles that can aggravate breathing difficulties.

- Nearly 72 trillion particles enter the average home every day, and remain in the air.
- Most homes generate around 40 pounds of dust every year for every 1500 square feet of space. Dust that remains trapped inside.
- One ounce of dust can contain up to 40,000 dust mites, one of the most common household allergens.

### Technologically advanced cleaning. Amazingly enhanced air.

Introducing Trane CleanEffects™, the patented whole-house air filtration from a recognized industry leader. Designed from the ground up to clean the air like nothing before, CleanEffects makes the air in your home feel cleaner and fresher than you thought possible. As an accessory to your matched Trane system, CleanEffects:

- Removes up to an incredible 99.98% of allergens from filtered air.
- Traps particles as small as .1 micron in size.
- Up to 100 times more effective than a standard 1" filter.
- Can reduce your need to dust by up to 50%.
- Has had its performance verified by leading experts at the Harvard School of Public Health.



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## air it produces.

### So effective, it essentially redefines clean air.

There are several ways to measure the effectiveness of an air filtration system. The two you'll most likely see are MERV, or Minimum Efficiency Reporting Value, and CADR, or Clean Air Delivery Rate. MERV is designed for systems with media-based filters, and involves loading the filter with particles until its airflow is greatly reduced. Unfortunately, this method only measures one aspect of air filtration, particle capture efficiency. Since Trane CleanEffects™ operates with incredible airflow efficiency even under a heavy particle load, it simply cannot be evaluated with the MERV method.







Instead, Trane uses CADR, which measures not only the efficiency with which particles are removed from filtered air, but also the rate at which clean air is delivered to your living space. This is a more accurate representation of an air cleaner's performance because it measures the end benefit to you.

### And it's quiet, too.

Many electronic air cleaners emit an unpleasant buzz, similar to a bug zapper, while operating. Not CleanEffects. Its patented technology makes it as quiet as it is effective.



**Clean Air Delivery Rate** measures the effectiveness of air cleaning appliances. The higher the clean air delivery rate, the more effective the unit is at cleaning the room or home of airborne particles and allergens.

 Typical In-room Appliance	 Standard 1-inch Filter	 Typical Room HEPA Appliance	 Whole-House 5-inch Media Filter	 Whole-House Electronic Air Cleaner	 <b>TRANE CleanEffects</b>
Clean Air Delivery Rate: <b>10</b>	Clean Air Delivery Rate: <b>12</b>	Clean Air Delivery Rate: <b>150</b>	Clean Air Delivery Rate: <b>240</b>	Clean Air Delivery Rate: <b>660</b>	Clean Air Delivery Rate: <b>1,200</b>

Clean air delivery rate (efficiency times airflow rate) is recognized by the Federal Trade Commission (FTC) and the Environmental Protection Agency (EPA) as a fair and objective measure of various air cleaner technologies. Ratings reflect cubic feet per minute of clean air delivered for a typical 3-ton heating and cooling system: the higher the value, the more effective the air cleaner.



### The facts about ozone.

When evaluating any sort of electronic air cleaning system, there is often a concern about ozone levels, especially when dealing with so-called "ionizing" air cleaners. Your safety and health are of utmost concern to Trane, which is why we've designed CleanEffects to fall well below the emissions standards the FDA sets, even for medical devices.

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# Look inside the air cleaner that's revolutionizing the air inside

Cleaner air feels better. In your lungs, on your skin, all around you. A Trane CleanEffects™ uses patented, industry-leading technology to remove up to 99.98% of particles down to .1 micron from the air it filters, more than any other air filtration system on the market. So your air feels better than you've ever imagined.



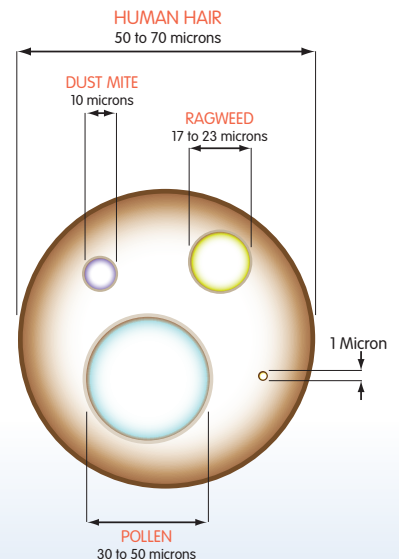
Most common allergens are no match for the .1 micron filtration of CleanEffects.



## .1 micron can be huge.

CleanEffects™ filtration can bring welcome relief to anyone with respiratory difficulties. Many common allergens are small enough to bypass the body's natural defenses and embed deep in the lungs, aggravating breathing ailments. Since CleanEffects

filters down to .1 micron, or 100 times smaller than a human hair, it is extremely effective at removing spores, mold, pollen, pet dander, dirt and dust, preventing them from entering your air, and your lungs.



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your home.



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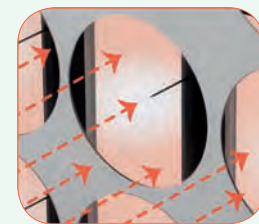


- 1 Power Door**  
Provides easy access for cleaning. The front panel displays power indicator and filter status lights. Safety interlocks power down the system if the door is opened while CleanEffects™ is on.
- 2 Pre-Filter**  
Captures larger particles and extends the collection cell cleaning interval.
- 3 Field Charger**  
Charges incoming particles so they adhere to the collection cells. This patented process is what allows CleanEffects to remove up to 99.98% of particles down to .1 micron that pass through it.
- 4 Reusable Collection Cells**  
Precisely engineered to capture particles down to .1 micron, while still remaining easy to clean. Simply vacuum or rinse with clean water to make them like new.
- 5 Painted Sheet Metal Cabinet**  
Heavy 18-gauge steel provides attractive and durable protection for electronics and filter components.

**Trane's revolutionary, patented ifD charger delivers powerful cleaning with efficient airflow.**

Most filtration systems work like a vacuum cleaner bag. Small holes let air pass through but not particles. Unfortunately, the more dirt these systems collect, the more clogged they become. This creates a bottleneck that reduces clean air output, robs system performance and reduces system life.

Trane CleanEffects™ uses a powerful, patented ifD corona field to charge incoming air, causing particles to adhere to the CleanEffects collection cells as air passes through. Since your furnace or air handler isn't struggling to work against a clogged filter, clean air flows freely. No other filtration system can compare.



Even the Trane CleanEffects collection element



is ground-breaking. Each layer is only 0.08 inches apart, with alternating charges, which makes for a stronger, more

effective collection field. What's more, the Trane CleanEffects element has eight times the collection surface of a standard electronic air cleaner, so it's vastly more efficient at providing clean air throughout your home.

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Unmatched air quality from a Trane matched system.  
Everything works together to keep you comfortable.

When you install a Trane matched system, you're stepping up to a new level of performance. In a matched system, every component is designed to work together to deliver maximum comfort and efficiency from every energy dollar. Make your air clean, perfectly heated and cooled and perfectly humidified with a perfectly balanced Trane matched system.



**Variable-speed, continuous clean.**

If your matched Trane system includes a variable-speed blower motor, CleanEffects™ can gently circulate clean air at low speed 24 hours a day, filling your home with a continuous supply of clean air while using less energy than a single light bulb.



**Humidifiers**

Improperly humidified air can increase the spread of dust mites, one of the most common allergens. It can also dry out your skin and furnishings and create static electricity. A Trane humidifier maintains proper moisture levels in the air for your comfort, while helping to reduce dust mites in your home.

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72 trillion particles enter your home every day. Keep them out of circulation with a matched Trane system with CleanEffects.

### The communicating advantage.

When installed as part of a matched Trane system with ComfortLink™ II communicating technology, your Trane CleanEffects takes on a whole new level of integration. Since the CleanEffects is in constant digital communication with your furnace or air handler, you're always aware of the status of your air through filter timers and air cleaner alerts.



### Easy to appreciate, simple to clean.

Maintaining your CleanEffects™ is as simple as sliding out the reusable pre-filter and collection cells and vacuuming them thoroughly. The pre-filter should be vacuumed each month or two. And the collection cells should be cleaned every 6 to 9 months, depending on the indoor air quality in your home. If you wish, you may have a service contract with your dealer to perform the cleaning procedures for you.

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### Independent Trane dealers value reliability as much as you do.

Your independent Trane dealer knows his or her reputation is made at every sale, and with every installation. Therefore, they are as personally invested in your comfort as you are, and take great pride in creating your perfect indoor environment.

Trane dealers are some of the most highly-trained in the business, with advanced technical skills to optimize every installation and solve any issue.

They have an extensive understanding of the movement and conditioning of air, and the expertise to create a perfectly balanced, ultra-efficient system for every home. Trane dealers believe in doing the job right, every time. Otherwise, they wouldn't be Trane dealers.

### Take comfort in our warranties.

Your investment in Trane CleanEffects™ is well protected with a 10-year limited warranty on the electronics and a 5-year limited warranty on the functional parts. For all coverage options check with your independent Trane dealer.

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[trane.com](http://trane.com)

P.O. Box 9010 • Tyler, TX 75711-9010

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