TECH 2 SERIES

Air Conditioners/ Heat Pumps

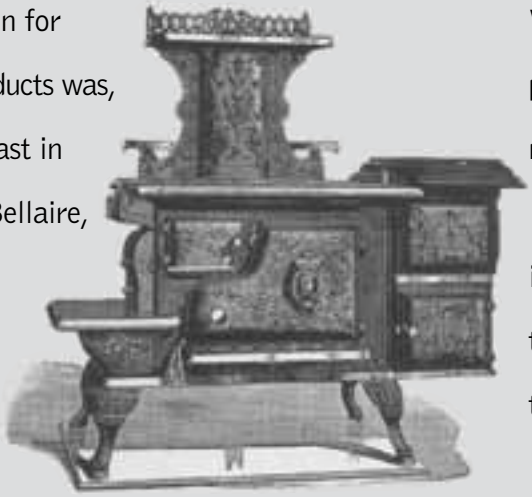
Variable-Speed
Up to 15 SEER

Tough. Smart. Tappan.™

TAPPAN

TAPPAN

The Military Wanted Tank-Tough. They Got It.



Tappan's reputation for tough, durable products was, in the beginning, cast in iron. In 1881, in Bellaire, Ohio, W. J. (Bill) Tappan sold his wood- and coal-burning stoves door-to-door from a horse-drawn wagon. But it wasn't until World Wars I and II, when Tappan supplied cooking equipment to the U.S. armed forces, that the name gained well-deserved national recognition.

The Tappan name has always stood for appliances that are durable and innovative. Tappan's introduction of the microwave in 1955 revolutionized cooking. Then, just five years later, pilot lights in furnaces and stoves became a thing of the past with Tappan's invention of electronic ignition.

Today, our line of heating and cooling equipment is still just as solidly-built as our tank-tough stoves built for the military in World War I and II. In fact, our air conditioners and heat pumps offer an industry-leading, all-parts warranty. Even more, they're Tappan Smart. Packed with precision-engineered components that deliver extended service life, plus state-of-the-art efficiency and comfort.

Tough, Because We're Tough On Ourselves.

When you purchase a Tappan air conditioner or heat pump, you can be confident it's passed the toughest manufacturing standards in the industry: Ours. By the end of the line, each piece of equipment will undergo 144 inspections. Rigorous as this process is, all equipment will then have to perform to spec at our automated computer-testing station.

It's part of a unique quality control program called Demand Flow Technology™ (DFT), where consistency and workflow achieve near-zero tolerance for imperfection. Associates are trained in multiple workstation skill sets so they can check assembly from the preceding station, double-check their own work, then pass it on. Then in the exceedingly small likelihood there may be a defect, all units and each component (both mechanical and electrical) are 100% fired and tested on the line.

In the final balance, we stand behind quality workmanship because we do more to stand watch over it.

The Tappan Tough™ Quality Pledge.

Because Tappan air conditioners and heat pumps are built-tough for the long run, the most critical cooling component— the compressor—is backed by our Tappan Tough™ Quality Pledge. When installed and registered with a matched Tappan indoor coil or air handler, we'll replace your Tappan air conditioner or heat pump should the compressor fail during the first 10 years of ownership. For even greater peace of mind, internal working parts of every Tappan unit are covered by a limited warranty for replacement up to 10 full years when product is registered.

Tech2™ Series Performance. Strictly Top-Of-The-Line.

Tappan's Tech2 Series air conditioners and heat pumps are up-to-speed with the expectations of today's comfort-minded and energy-conscious consumer. Using the latest variable-speed technology, it stands to reason that these air conditioners and heat pumps will cost more up front. But over the lifetime of your initial investment, they'll provide unparalleled comfort, quiet operation, and significant improvements in indoor air quality.

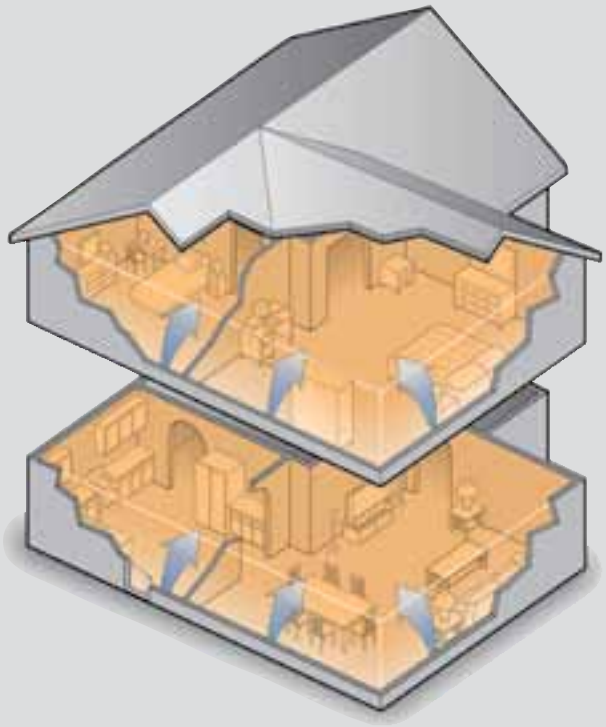
Likewise, they'll pay back dividends providing energy savings worth hundreds of dollars per year along with reduced maintenance costs.

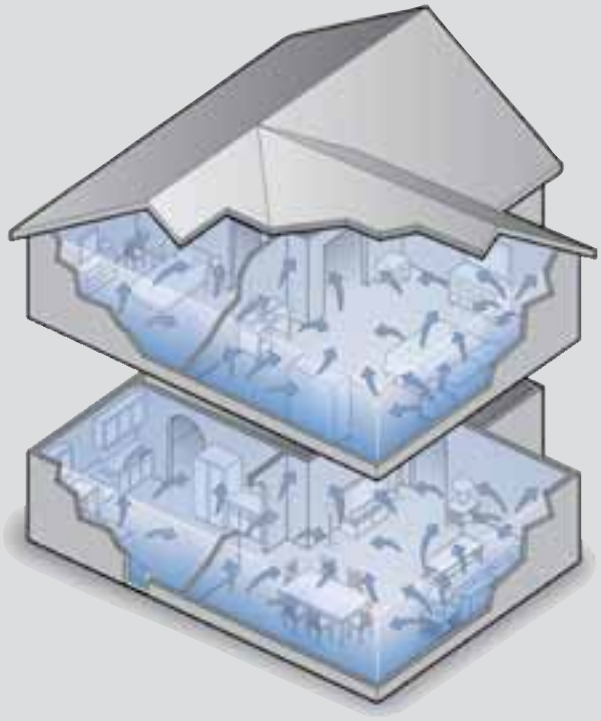
Variable-Speed Technology. The Perfect Match.

A Tech2 Series split-system air conditioner or heat pump matched with a variable-speed furnace and indoor coil, or variable-speed air handler, provides extra efficiency and better indoor comfort. Variable-speed technology, is the most-advanced and efficient blower motor design today. Unlike the abrupt start/stop cycles of a conventional induction motor, a Tech2 variable-speed unit ramps up to speed gradually to eliminate the usual discomforts of wind blasts, and noise.

Employing variable-speed technology still further, the blower delivers constant air flow thanks to a programmable electronic controller. It adjusts in real time to meet factory-calibrated capacity automatically compensating for reduced duct volume, dirty air filters, zoning changes, obstructed supply register, etc. So the entire system functions more efficiently for more-even temperatures, better indoor air quality, precise humidity control and reduced energy consumption.

Fixed Speed vs. Variable Speed





Conventional fixed-speed system shuts on and off at full output only

- Uses more energy
- Creates uncomfortable temperature swings
- Produces hot and cold spots
- More contaminants in air due to less filtration
- Reduced humidity control

Advanced variable-speed system runs continuously, adjusting output to match conditions

- Uses less energy
- Ramps up gently, eliminating uncomfortable temperature swings
- Eliminates noisy on/off cycles
- Continuous airflow improves filtration and humidity control
- Balances temperatures and minimizes hot and cold spots

Breathe Easy, Save Big.

Running a cooling system continuously on a thermostat's "fan setting" has obvious benefits.

Besides optimizing indoor air comfort, a variable speed system uses 80% less electricity over conventional motors. Ultimately, this can add up to hundreds of dollars in savings each year. So you can breathe easier, especially when utility bills come due.

Annual costs based on 36,000 Btu unit, 1500 cooling load hours, and .08/kwh. Actual costs may vary depending on climate conditions, energy rates and patterns of usage.

Energy Definitions

SEER—Seasonal Energy Efficiency Rating

Measures cooling performance on air conditioners, heat pumps and gas/electric package product.

HSPF—Heating Seasonal Performance Factor

It is a measure of the average number of Btu of heat delivered for every Watt-hour of electricity used by the heat pump over the heating season.

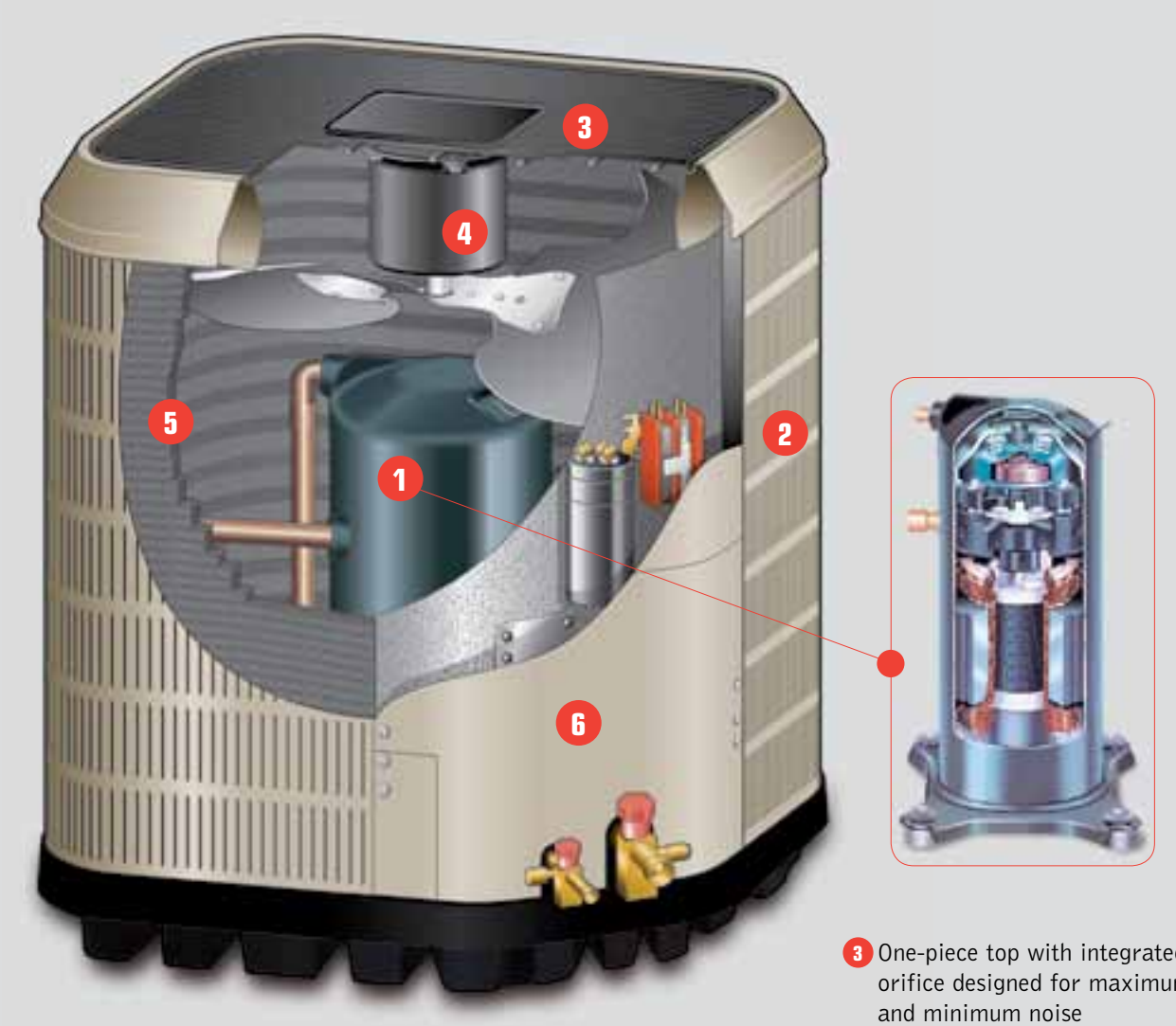
As ratings increase, so does unit efficiency.

Helping To Save Mother Earth.

ENERGY STAR PARTNER

Awarded by the U.S. Department of Energy and the Environmental Protection Agency for helping to conserve energy, promote cleaner air, and prevent global warming. To qualify, split system air conditioners and heat pumps must have a Seasonal Energy Efficiency Ratio (SEER) rating of 14.5 or higher and an Energy Efficiency Ratio (EER) of 12.0 or higher. Split system heat pumps are also ENERGY STAR® rated by a Heating Seasonal Performance Factor (HSPF) of 8.2 or higher. Ratings 25% more energy efficient than standard models.

Taking Tough And Smart To The Nth Degree.



Up to 15 SEER and 8.5 HSPF rated heat pump matched to air handler with variable speed blower

Up to 15 SEER rated air conditioner matched to indoor coil with variable-speed blower

1. Scroll Compressor—fewer working parts than reciprocating piston compressors for quieter operation, longer service life and reliability

2A. Tappan Tough™ jacket—full-metal, louvered jacket protects coil from impact of flying debris due to mowing, golf balls, hail and other hazards

2B. Tappan Tough™ construction—galvanized steel for added strength and durability, featuring silicone-protected 1.5 mil polyurethane finish that provides superior corrosion resistance, 50% better protection than standard outdoor finishes

3. One-piece top with integrated fan orifice designed for maximum air flow and minimum noise

4. 5-Minute restart time delay—when the unit shuts down, prevents restart eliminating the highest cause for compressor failure

5. All-aluminum Anteater MC® Micro-Channel coils for increased corrosion resistance

6. Engineered for easy access—minimizes service time

- Variable-speed motor with built-in speed and torque controls adjust to meet airflow requirements more efficiently and quietly
- Consumes just 60-80 watts compared to 400 watts for a conventional blower motor at constant "FAN" thermostat setting (low speed)
- Maintains factory-calibrated airflow capacity automatically compensating for reduced duct volume, dirty air filters, zoning changes, obstructed supply register, etc.
- Moisture: The most common problem in forced air systems, today. Electronic control components are fully encapsulated and protected to withstand 600 hours of ASTM-B117 salt-spray testing
- Electronic controller can be replaced without removing the motor from the blower mounting, greatly reducing service time and cost

Tech2 Series up to 15 AC-VS

Up to 15 SEER Extra High Efficiency

10 YEAR WARRANTY

TAPPAN TOUGH QUALITY PLEDGE

Single-Stage Air Conditioner Match With An Indoor Variable Speed Blower

- Exceptional Warranty—10-year limited warranty on all parts, 10-year Tappan Tough™ Quality Pledge when registered

  Ask your Tappan contractor or go to www.tappan.net for warranty details.

Tech2 Series up to 15/8.5 HP-VS

Up to 15 SEER/8.5 HSPF Extra High Efficiency

10 YEAR WARRANTY

TAPPAN TOUGH QUALITY PLEDGE

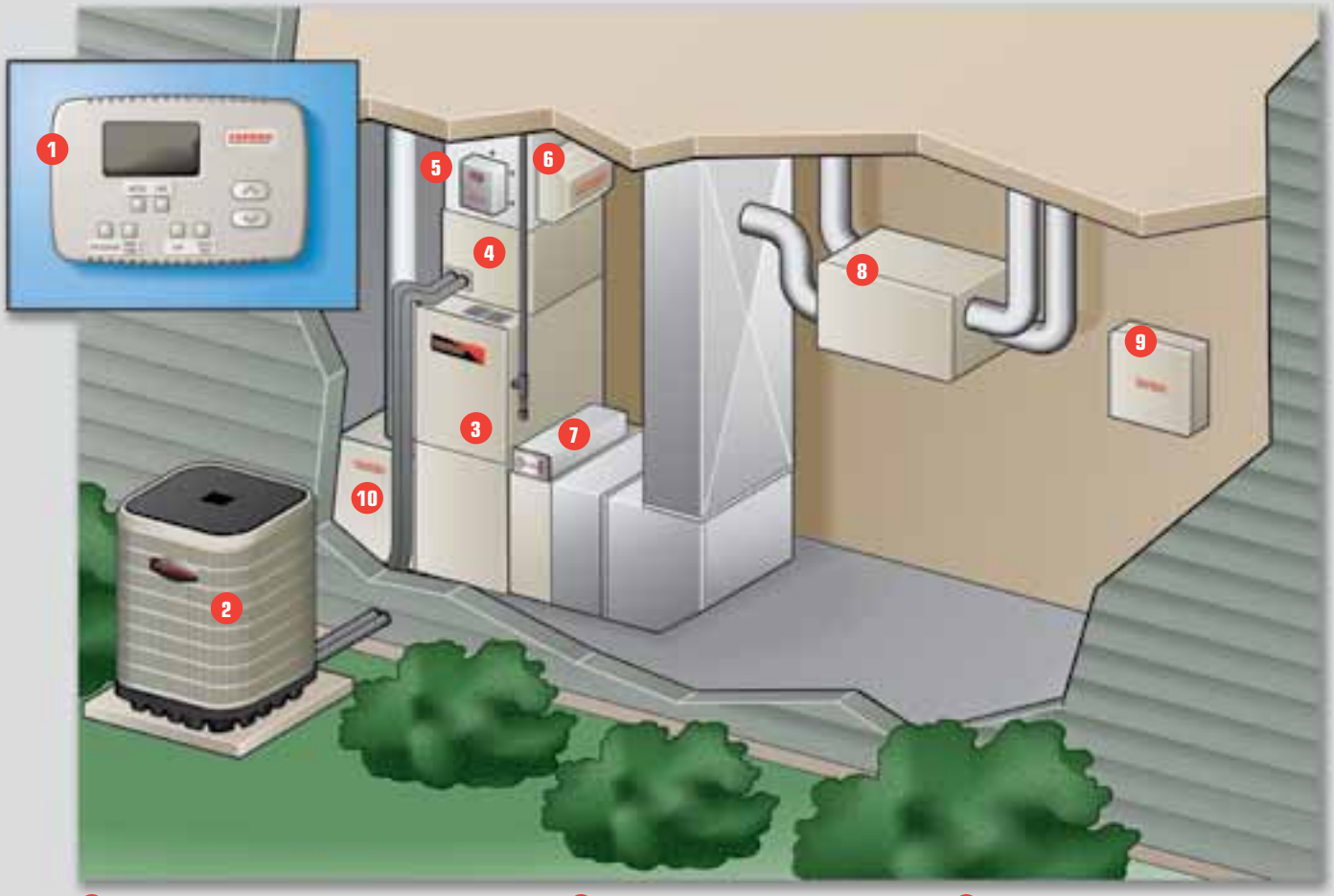
Single-Stage Heat Pump Match With An Indoor Variable Speed Blower

- Exceptional Warranty—10-year limited warranty on all parts, 10-year Tappan Tough™ Quality Pledge when registered

  Ask your Tappan contractor or go to www.tappan.net for warranty details.

Putting It All Together With Quality Service.

To learn how you can get the most comfort–and biggest return in energy savings from a totally integrated indoor comfort system, talk to your Tappan contractor. From thermostats, to air cleaners, matched coils for new condensing units, humidity and zone control systems, and other indoor air quality accessories, you're sure to get tough, dependable technology that's built to last. All of which makes you one very smart customer. Tough. Smart. Tappan.™



1. Programmable thermostat
2. Air conditioner or heat pump
3. Gas furnace or air handler
4. Evaporator coil
5. UV air purifier
6. Humidifier
7. Electronic air cleaner
8. Energy recovery ventilator
9. Zone control panel
10. HEPA air cleaner

Proper sizing and installation of equipment is critical to achieve optimal performance. Split system air conditioners and heat pumps must be matched with appropriate coil components to meet ENERGY STAR criteria. Ask your contractor for details or visit www.energystar.gov.

Certifications

AHRI CERTIFIED™ www.ahridirectory.org Unitary Small AC AHRI Standard 210/240 Certification applies only when the complete system is listed with AHRI.

AHRI CERTIFIED™ www.ahridirectory.org Unitary Small HP AHRI Standard 210/240 Certification applies only when the complete system is listed with AHRI.

ENERGY STAR PARTNER

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HRAI YOUR ENVIRONMENT OUR EXPERTISE MEMBER COMPANY

TAPPAN
Heating and Cooling Products

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Specifications and illustrations subject to change without incurring obligation. Pictured installation varies per household.

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