

TECH 2TM SERIES

AIR CONDITIONERS/
HEAT PUMPS
Variable-Speed 14 SEER



TOUGH.
SMART.
TAPPAN.TM



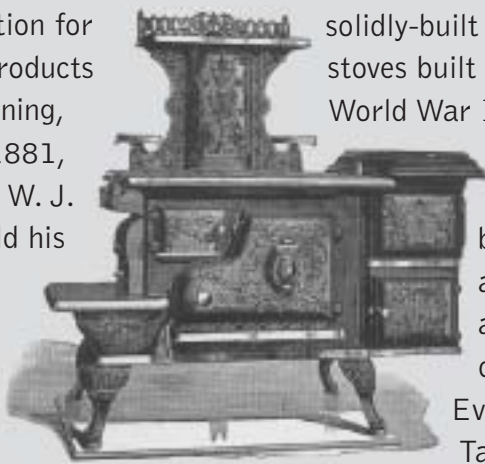
TAPPAN

Built Tank-Tough In America With Pride.

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 are backed by an 8-year, all-parts warranty, and up to 10 years on compressors.

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 furnace, you can be confident it's passed the toughest manufacturing standards in the industry: Our own.



By the end of the line, each piece of equipment will undergo, on average, 144 inspections.

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.

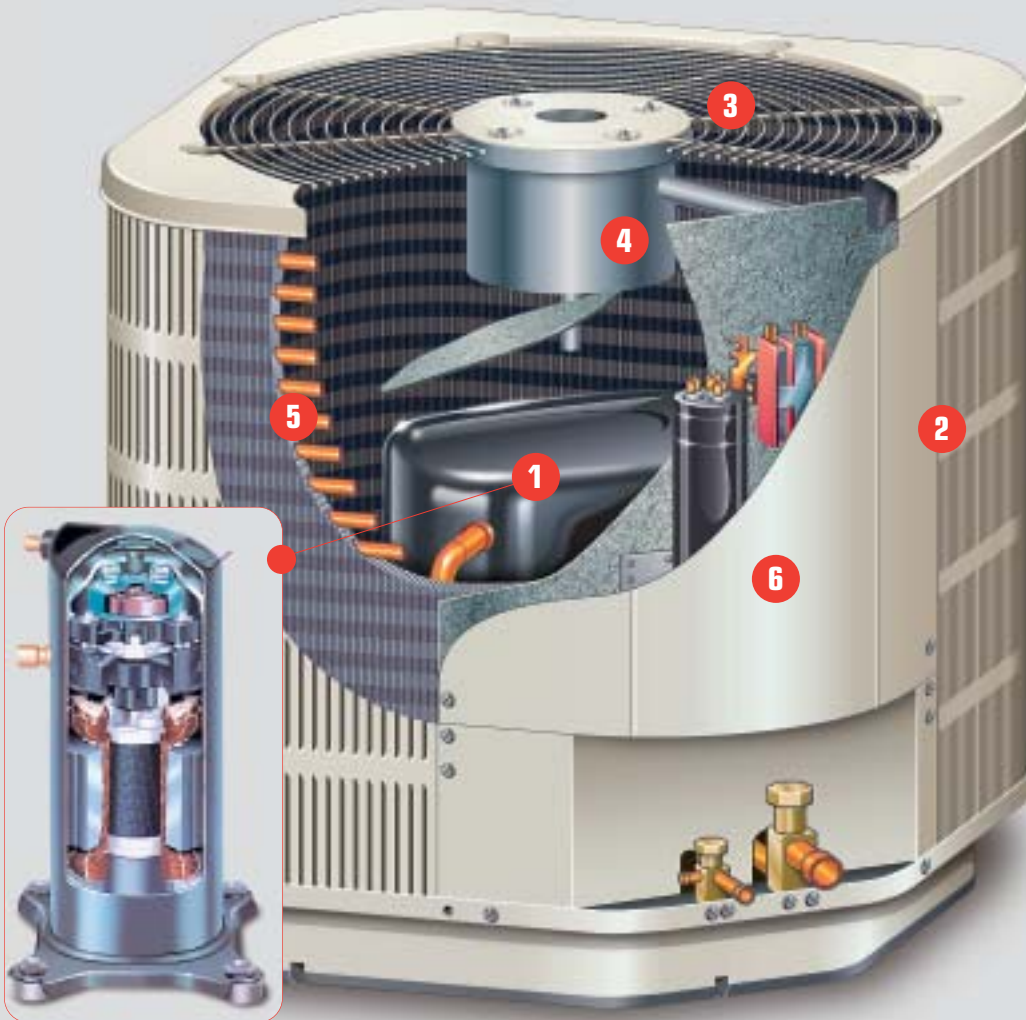
The Tappan Tough™ Quality Pledge.

Because Tappan air conditioners and heat pumps are built-tough for the long run, the most critical component—the compressor—is backed by our Tappan Tough™ Quality Pledge. When installed 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 five 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 8 full years.

Taking Tough And Smart To The Nth Degree.



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

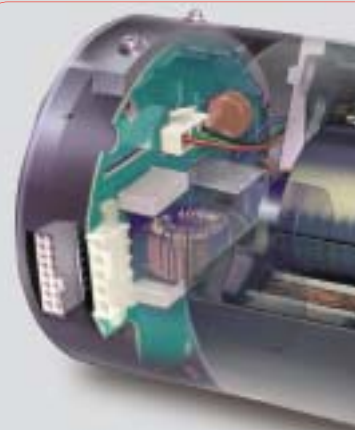
14 SEER rated air conditioner matched to indoor coil with variable-speed blower

- 1** Scroll Compressor—fewer working parts than reciprocating piston compressors for quieter operation, longer service life and reliability
- 2** **A** Tappan Tough™ jacket—full-metal, louvered jacket protects coil from impact of flying debris due to mowing, golf balls, hail and other hazards

B 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** Copper tube/aluminum fin coil design maximizes ratio of heat transfer to inner surface area for more efficient, reliable operation
- 6** Engineered for easy access—minimizes service time.

- GE ECM™ 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



Variable-Speed Technology. The Perfect Match.

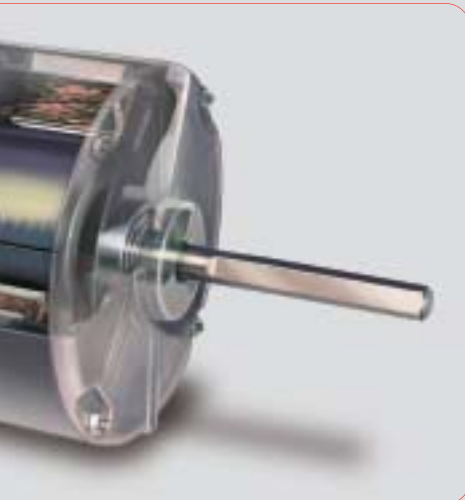
A Tech2 Series split-system air conditioner or heat pump matched with a variable-speed furnace and indoor coil, or variable-speed air handler, provides extra efficiency at a rating of 14 SEER and 8.5 HSPF. GE's patented ECM™ variable-speed technology, is the most-advanced and efficient blower motor design 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 patented GE ECM™ 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.

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.



GE ECM™ variable-speed motor can save \$150/yr. on cooling plus another \$240 in electrical costs for continuous fan operation

Compared to conventional blower motor based on average savings calculations at 8c/kwh. Actual savings may vary according to utility rates, climate, ductwork, insulation, duty cycle, and lifestyle usage patterns.

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.



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

Helping To Save Mother Earth.

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, air conditioners must have a Seasonal Energy Efficiency Ratio (SEER) rating of 13 or higher.*



Heat pumps are Energy Star® rated by a Heating Seasonal Performance Factor (HSPF) of 8.5 or higher.* Ratings 25% more energy efficient than standard models.



Tech2 Series 14 AC-VS
14 SEER Extra High Efficiency



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

- Exceptional Warranty—8-years on all parts, 10-years parts coverage on compressor, 5-year Tappan Tough™ Quality Pledge /Extended Service Agreements Available



Tech2 Series 14/8.5 HP-VS
14 SEER/8.5 HSPF Extra High Efficiency

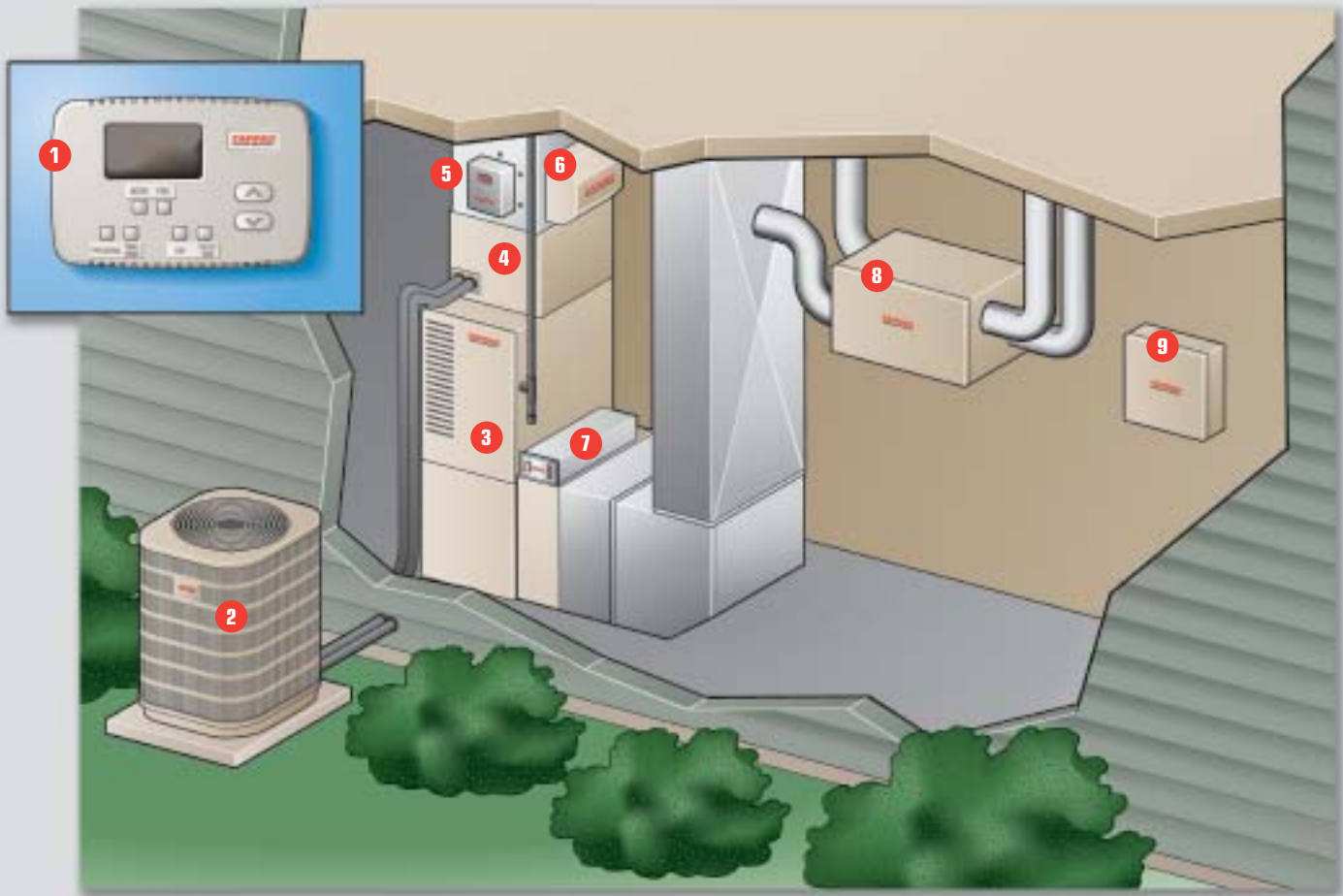


Single-Stage Heat Pump Match With An Indoor Variable Speed Blower

- Exceptional Warranty—8-years on all parts, 10-years parts coverage on compressor, 5-year Tappan Tough™ Quality Pledge /Extended Service Agreements Available

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 dealer. 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 Air cleaner

8 Energy recovery ventilator

9 Zone control panel

TAPPAN
Heating and Cooling Products

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Testing Certifications



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Pictured installation varies per household.