

TECH **3** SERIES

iQ DRIVE®  
GAS/ELECTRIC  
PACKAGED SYSTEMS  
Two-Stage, Multi-Speed  
Up to 20 SEER  
R-410A



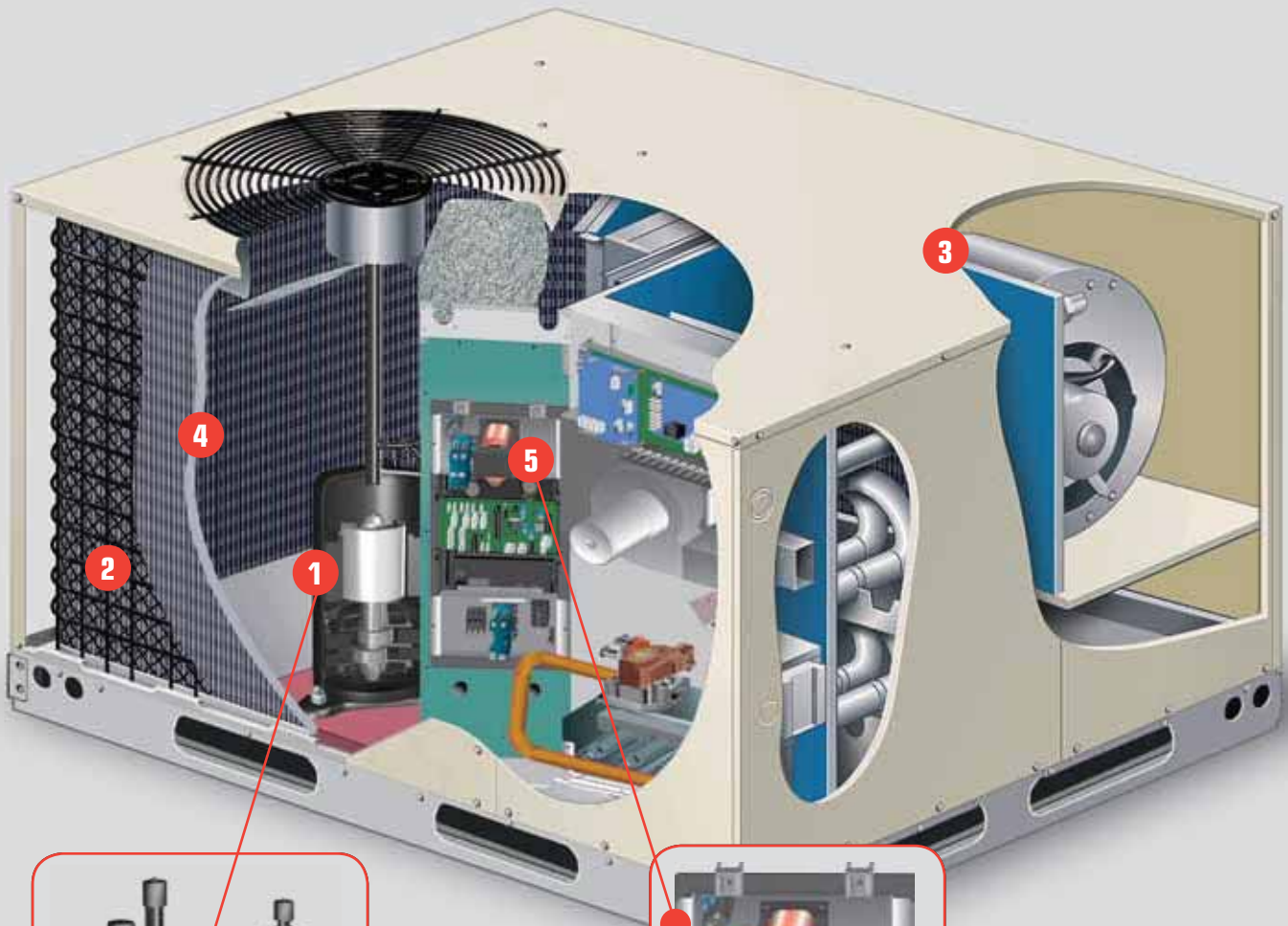
TOUGH.  
SMART.  
TAPPAN.™

iQ  
Drive



**TAPPAN**

## Taking Tough And Smart To The Nth Degree.



iQ  
Drive

**Gas/Electric Packaged Unit 81% AFUE/20 SEER with iQ Drive® technology for more efficient, quiet furnace (gas) and air conditioner (electric) operation**

**1** The iQ Drive rotary compressor operates at 900 rpm for ultra-low power efficiency and an ultra-low noise level as compared to traditional compressors.

**2** Wire guard coated with earth-friendly epoxy and mesh hail guard protect against impact of flying debris due to mowing, golf balls, hail and other hazards

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

**4** All-aluminum Micro-Channel coil design maximizes ratio of heat transfer to inner surface area for more efficient, reliable operation

**5** The iQ Drive inverter board regulates the compressor at all times to achieve ultra-high efficiency levels.

## So Smart, Its iQ Delivers Ultra-High Energy Efficiency



iQ Drive® is the brains behind the Tappan Ultra-Efficient Comfort System. It utilizes inverter rotary technology to achieve ultra-high efficiency levels.

Traditional compressors just turn on and off – operating at 60 hertz when running. But iQ Drive inverter technology has almost infinite modulation for a perfectly even variance. It runs as low as 15 hertz, so it uses less power.

While today's compressors kick on at full speed to compensate for a small change in temperature, iQ Drive inverter technology alters the compressor speed just enough to match the slightest change in air temperature. In addition to minimal power utilization, you get a more consistent temperature level – and fewer hot and cold spots – at all times.

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## So Quiet, You May Forget You Have It

The Tappan iQ Drive System is not just efficient, it also delivers some of the lowest sound levels in the industry.

Today's traditional compressors operate at 3,600 rpm power. So even with sound-reduction features, they make enough noise to be heard inside the home.

In comparison, the Tappan iQ Drive rotary compressor can ramp down to 900 rpm for ultra-low power efficiency and an ultra-low noise level. That makes for a quieter home, especially at night.

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## 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, packaged systems must have a Seasonal Energy Efficiency Ratio (SEER) rating of 14.0 or higher and an Energy Efficiency Ratio (EER) of 11.0 or higher. AFUE is Annual Fuel Utilization Efficiency and is used to measure a furnace's heating efficiency.

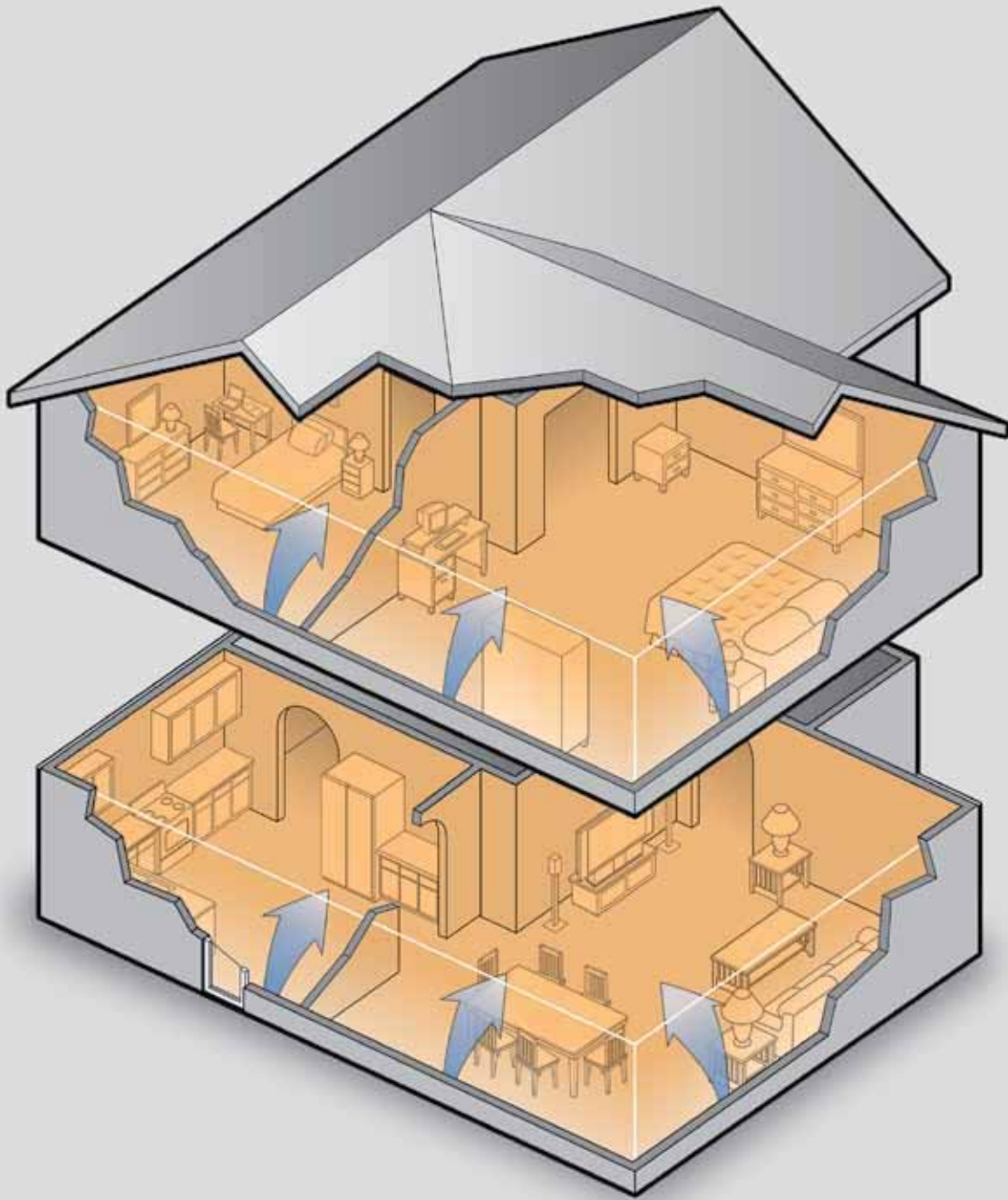
Environmentally friendly R-410A refrigerant is non-ozone depleting.



Tappan Two-Stage Multi-Speed products are the most energy-efficient, environmentally responsible products.

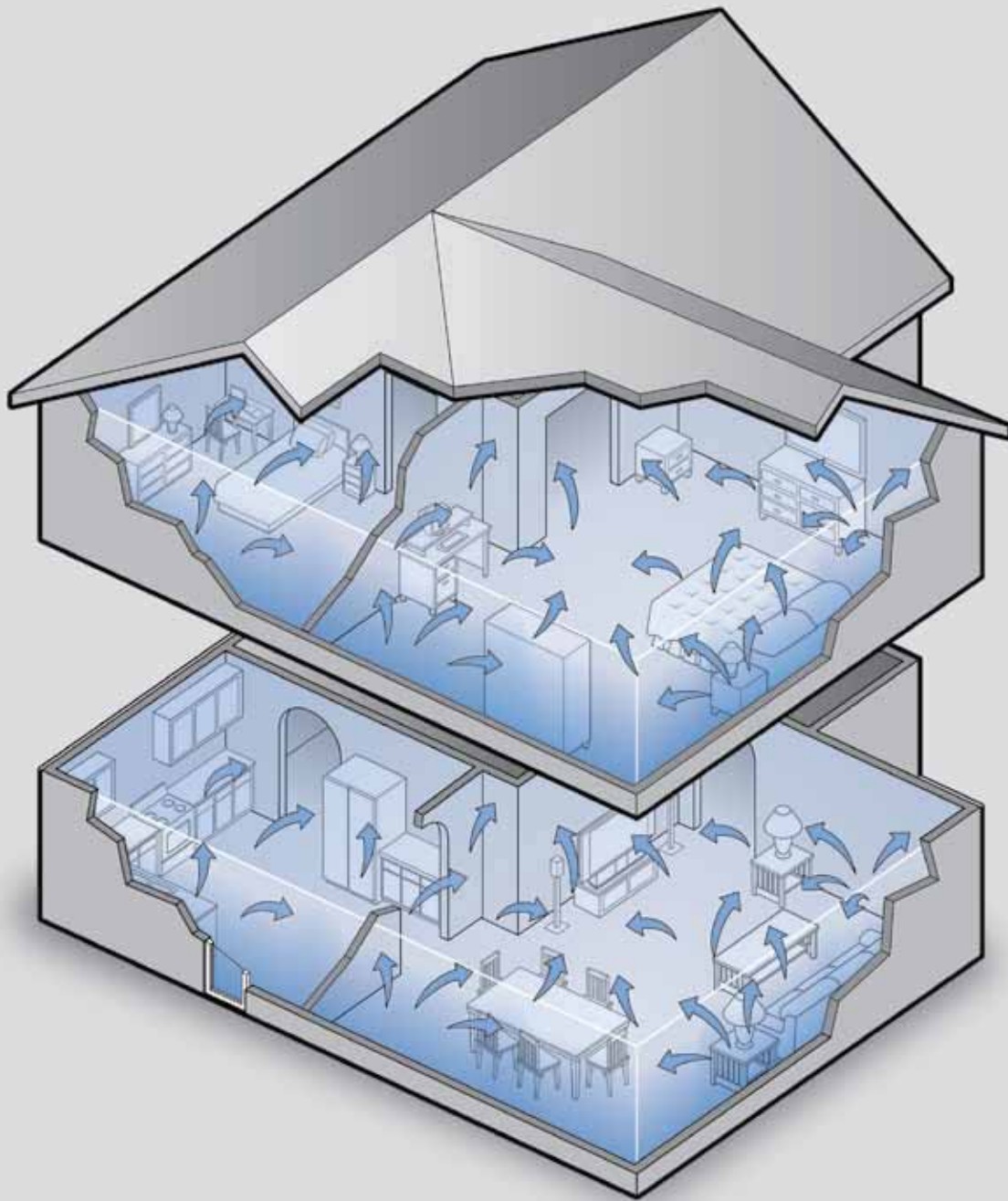


**Conventional Fixed-Speed Systems  
Shut On And Off At Full Output Only.**



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

**Advanced Multi-Speed iQ Drive® Systems  
Run Continuously, Adjusting Output To Match Conditions.**



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

## The Tappan Tough™ Quality Pledge.

Because Tappan's packaged units are built-tough for the long run, the most critical components—the heat exchanger and/or compressor—are backed by the Tappan Tough™ Quality Pledge. Simply put, it assures trouble-free performance for the first 10 years.



Anything less, and we'll replace the entire unit. 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.

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## Tech3 Series

### 20 SEER/81% AFUE Ultra High-Efficiency/2-5 Tons



### Packaged Gas/Electric Unit with Variable-Speed ECM Blower

- SmartLite® control board programs igniter to adapt to furnace's heat-up characteristics extending igniter life to more than 20 years
- Exceptional Warranty—10-Year Limited Parts Warranty/10-year Tappan Tough Quality Pledge/Limited Lifetime Heat Exchanger Warranty

Ask your Tappan contractor or go to [www.tappan.net](http://www.tappan.net) for warranty details.

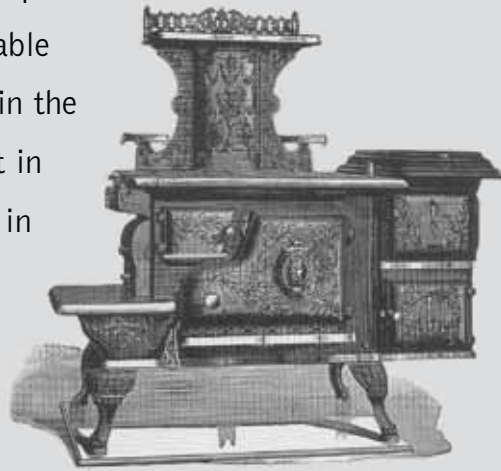


## The Military Wanted Tank-Tough. They Got It.

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 Wars 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 cooling product, 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.



## 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, 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.™

### Energy Definitions

#### SEER—Seasonal Energy Efficiency Ratio

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

#### AFUE—Annual Fuel Utilization Efficiency

It measures the amount of heat actually delivered to your house compared to the amount of fuel that you must supply to the furnace. Thus, a furnace that has an 80% AFUE rating converts 80% of the fuel that you supply to heat—the other 20% is lost out of the chimney.

As ratings increase, so does unit efficiency.

**TAPPAN**  
Heating and Cooling Products

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### Certifications

