

TECH **3** SERIES

Up to 23 SEER
SPLIT-SYSTEM
AIR CONDITIONERS
AND HEAT PUMPS



TOUGH.
SMART.
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 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.



The Tappan Tough™ Quality Pledge.

Because the Tappan iQ Drive® System is built tough for the long run, the most critical components – the compressor and heat exchanger – are backed by our Tappan Tough™ Quality Pledge. We'll replace your Tappan air conditioner or furnace should the compressor or heat exchanger 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. Ask your Tappan dealer or go to www.tappan.net for warranty details.



The Importance of Being 23 SEER

Seasonal Energy Efficiency Ratio (SEER) is the unit in which air conditioning and heat pump efficiency is measured. In the world of cooling, the higher the SEER, the better the efficiency, and the lower your power bills. While most homes built in the last 10 years have 8 to 10 SEER air conditioners, Tappan has raised the bar to 23 SEER, the highest efficiency level in air conditioning, and 20 SEER, the highest efficiency level in an air-source heat pump.

Just a few of the many benefits include:

- Lower energy bills
- Fewer hot and cold spots
- Better dehumidification
- The lowest sound levels ever

So Smart, Its iQ Delivers the Highest Energy Efficiency



iQ Drive® is the brains behind the Tappan Ultra-Efficient Comfort System. It utilizes inverter rotary technology to achieve the highest efficiency level available today.

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.

So Quiet, You May Forget You Have It

The Tappan iQ Drive System is not just efficient, it also delivers 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.

Smart and Simple Thermostat



The Tappan Complete-Comfort System uses a special display-screen thermostat with the ultimate in new, quick-response features.

Dehumidification Mode – This setting quickly zaps moisture from the air and works to regulate humidity levels throughout the home with a selectable dehumidification level.

Complete System Monitoring – On-board diagnostics and service settings for operational system commands and service notifications.

- Screen messages for error codes, filter

cleaning or change notifications and other service reminders

- Component performance for motors, refrigerant level, and inverter output and temperature

Programmable Comfort Schedules – This feature gives you the ability to program a perfect comfort schedule to control specific functions at precise times of the day.

- Five and 2- or 7-day program capabilities
- 2 or 4 setback periods available
- Programmable blower operation

Heat Pump or Air Conditioner?

The 23 SEER iQ Drive® air conditioner is an excellent choice for geographies where maximum cooling efficiency is needed. In areas where heating efficiency is also desired, consider the 20 SEER heat pump. It operates

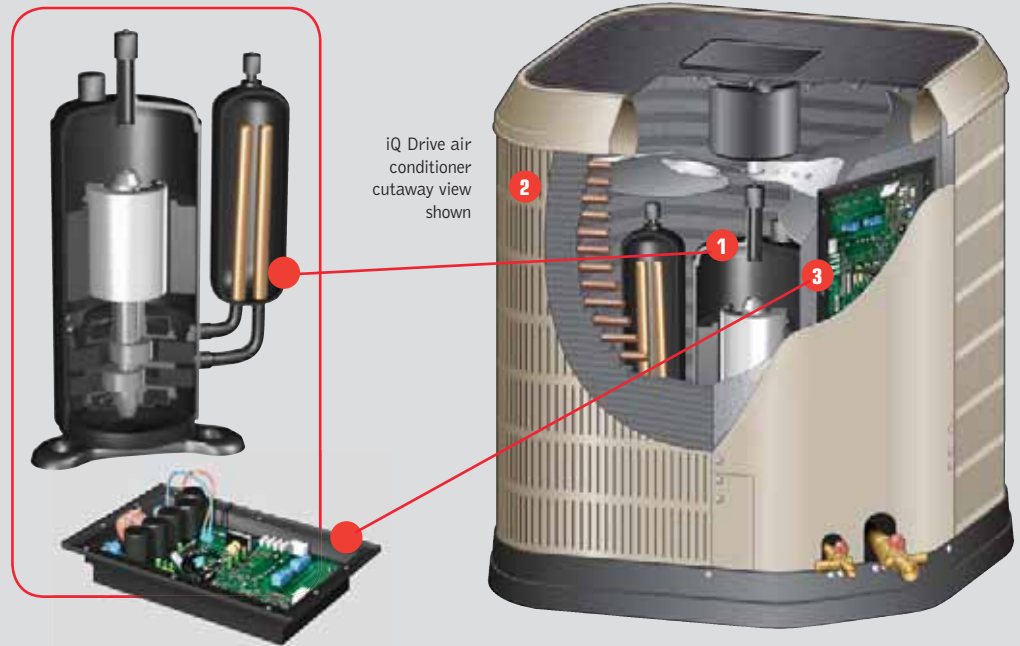
in the summer the same as an air conditioner, but also provides heat in the winter. And with an HSPF (Heating Season Performance Factor) up to 10.0, it's incredibly efficient no matter what the weather.

So Smart, Its iQ Delivers the Highest Energy Efficiency

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 Tappan Tough™ full metal jacket protects the coil from damage by weather and flying debris. Tappan Tough construction features a Silicone protective polyurethane coating that undergoes a 950-hour salt spray test for harsher climates. It protects your unit from corrosion 50% more than standard outdoor finishes.

3 The iQ Drive Inverter Board regulates the compressor at all times to achieve the highest efficiency level available today.



Helping to Save Mother Earth.



The Energy Star is 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 and heat pumps must have a Seasonal Energy Efficiency Ratio (SEER) rating of 14.5 or higher. Furnaces must have an annual utilization efficiency of 90% or higher to qualify.

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

R-410A™



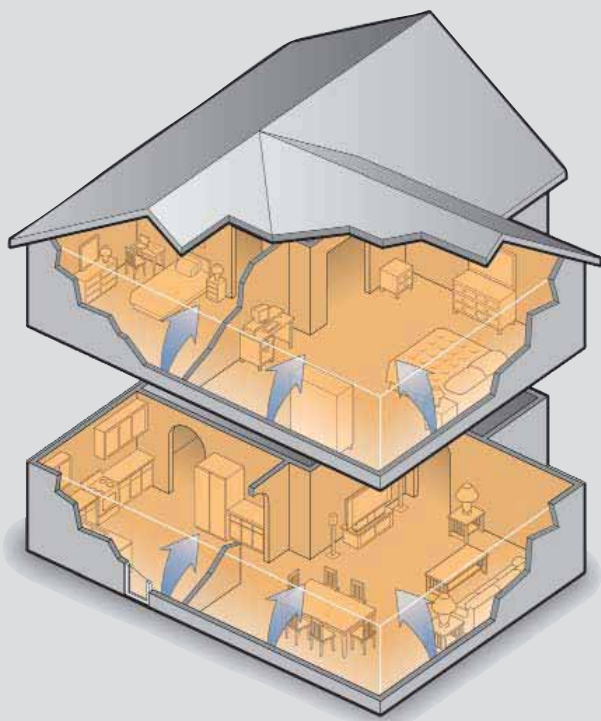
Tappan iQ Drive Systems are the most energy-efficient, environmentally responsible products.

Tappan iQ Drive® Indoor Section

The indoor section of this system is the Tappan iQ Drive variable-speed furnace and coil. The furnace blower and coil will circulate air throughout the home year-round to provide a more even temperature. It reduces hot and cold spots, while improving indoor air quality

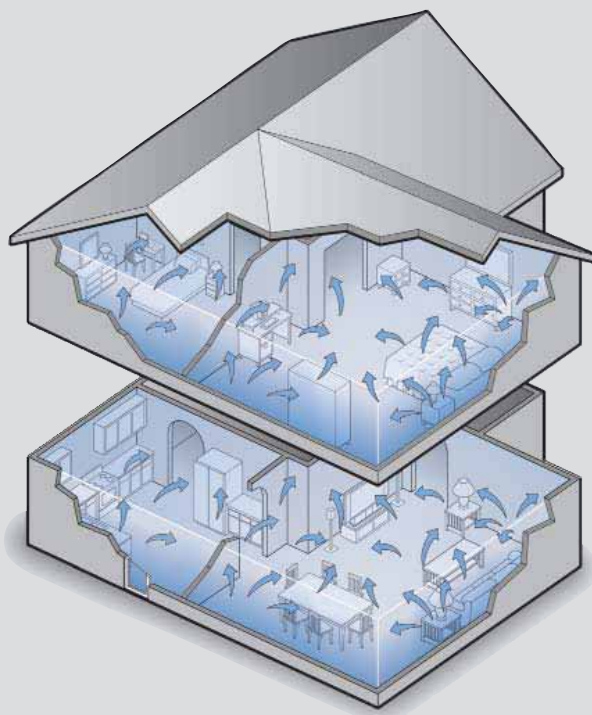
and precise humidity control. Choose from high efficiency Tappan iQ Drive Ready gas furnaces for optimum heating performance, including the 97+% AFUE iQ Drive modulating furnace. Your dealer can help you choose the appropriate Tappan furnace for your iQ Drive System.

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 air flow improves filtration and humidity control
- Balances temperatures and minimizes hot and cold spots



iQ Drive® Air Conditioner

- Up to 23 SEER

Available with

- iQ Drive Modulating
97%+ AFUE Gas Furnace
- Two-Stage, Variable Speed
95.1% AFUE Gas Furnace
- Two-Stage, Variable Speed
80% AFUE Gas Furnace

iQ Drive® Heat Pump

- Up to 20 SEER/10.0 HSPF

Available with

- iQ Drive Modulating 97%+ AFUE
Gas Furnace
- Two-Stage, Variable Speed 95.1% AFUE
Gas Furnace
- Two-Stage, Variable Speed 80% AFUE
Gas Furnace



Making Your Complete-Comfort System Truly Complete

The Tappan iQ Drive System is designed to work with other Tappan accessories. Ask about whole-home humidifiers, air cleaners, HEPA systems and more. If allergens, dust, mold, pet odor, dry air, temperature control and other irritants are a problem for you or your family members, ask us how we can design a Tappan system to reduce common irritants and increase comfort throughout the home for everyone.

For Ultimate Comfort, consider iQZone.

iQ Zone™ works hand-in-hand with your iQ Drive system to create separate comfort zones in your home. Now you can easily have the bedrooms cooler than the kitchen, or the rarely used den a different temperature than the family room. It's your home. Customize it to your comfort.

iQ Zone offers these benefits.

- Independent temperature control in up to 8 zones served by one unit.
- May increase energy savings.
- Superior comfort.
- Elegant touch-panel control.
- Easy to use.

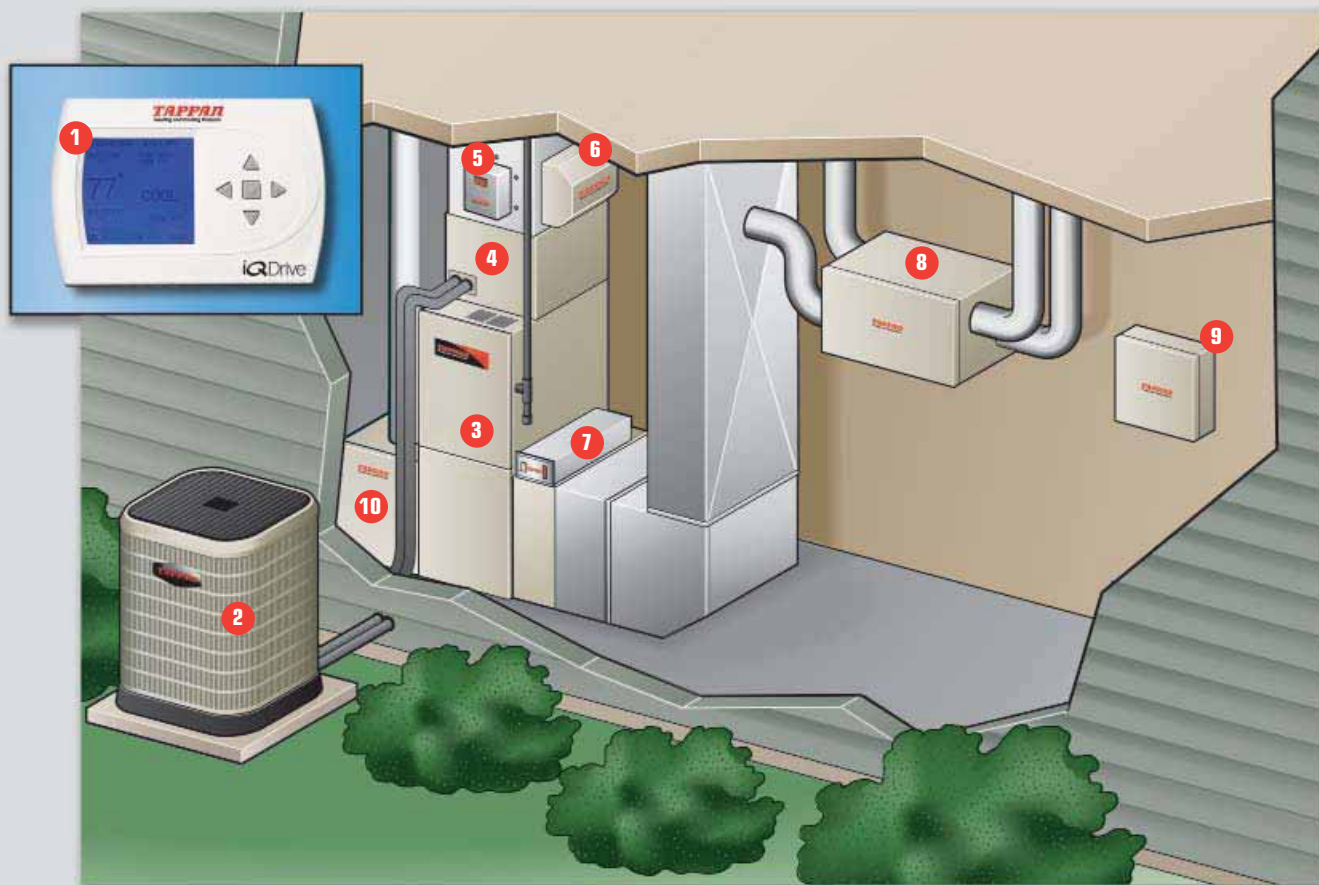


Ask your Tappan dealer for details on iQ Zone or visit www.tappan.net.

Available
Summer 2010

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

For more information, contact us, your Tappan dealer:

TAPPAN
Heating and Cooling Products

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.

Testing Certifications



iQ Drive is a registered trademark of NORDYNE.
ecoLogic and iQ Zone are trademarks of NORDYNE.

Trademark Tappan used under license. © 2010 NORDYNE
www.tappan.net

PUBLICATION SERIAL #903C-0610
Specifications and illustrations subject to change without
incurring obligation. Pictured installation varies per household.