

# Complete-Comfort Systems

iQ Drive® Air Conditioners and Heat Pumps

## Up to 25.5 SEER



# FRIGIDAIRE

COMFORT THAT FITS YOUR LIFE





## HIGH EFFICIENCY, HIGHLY COMFORTABLE.

The Frigidaire iQ Drive® Complete Comfort System is quite simply one of the smartest comfort systems available. At almost 80 percent more efficient than a basic system, it can drastically reduce your energy bills while dramatically improving the comfort of your home. Less humidity. More even temperatures. Ultra quiet. For the absolute best in total home comfort, choose the Frigidaire iQ Drive.

### iQ Drive technology.

iQ Drive air conditioners and heat pumps utilize inverter-driven rotary technology. The iQ Drive system's inverter component converts the electrical current from AC to DC and, in doing so, can almost infinitely vary the compressor and fan motor speeds.

Inverter-driven rotary technology is different in that it is almost always running. The unit can modulate anywhere from 40 to 118 percent of capacity, instantly adjusting to exactly offset the cooling or heating demands on the home. Because the iQ Drive unit doesn't cycle on and off like a traditional system, it saves energy and considerably reduces sound levels. In fact, sound ratings are from 59 to 72 decibels, some of the lowest in the industry.



### Frigidaire fits your life.

- **Delivering peace of mind unit after unit.** Every unit is triple checked at each manufacturing stage, for an average of 144 quality checks as your unit is built. In addition, all electrical and mechanical components are 100% fired and tested on the manufacturing line. When your contractor arrives, you can be sure that only the highest quality air conditioner or heat pump is being delivered to your home.
- **Incredibly quiet.** The iQ Drive air conditioner and heat pump include swept wing fan blades, absorbing base pans, compressor sound blankets and highly effective mufflers to decrease energy consumption and sound levels.
- **Aesthetically pleasing and designed for easy care.** Smooth and practical lines make your Frigidaire unit eye-appealing. All outdoor units are finished with a Silicone protective polyurethane finish that passed a 950-hour salt spray test. This step protects your unit from corrosion 50% more than standard outdoor finishes.
- **Award winning.** The up to 25.5 SEER iQ Drive air conditioner and the up to 22 SEER iQ Drive heat pump were recognized as outstanding values by a leading consumer publication.



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### Extreme energy savings.



Annual costs based on 36,000 Btu unit, 1,500 cooling load hours, and .08/kwh. Actual costs may vary depending on climate conditions, energy rates and patterns of usage.



## The command center: for up to 25.5 SEER air conditioners and up to 22 SEER heat pumps.

The power center of an iQ Drive® system is its patent-pending controller. Installed inside the home, the controller “talks” to the outdoor unit, assessing the cooling load of the space and using the information to compute and communicate the ideal speeds to the inverter and indoor fan. This communication occurs multiple times every second for nearly constant interaction.

When paired with an air handler or furnace, the controller also calibrates the indoor blower on a periodic basis, performing a load calculation on the duct system and measuring resistance to airflow in order to learn the duct characteristics of the home and perform at optimum efficiency.

In addition to the above, your iQ Drive controller lets you:

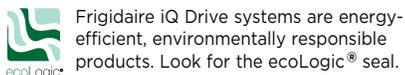
- Automatically increase or decrease temperature for the times you need the most comfort, and reduce energy use when you don't – such as a work schedule.
- Program a 7- or 5-day schedule, or a separate vacation schedule for when you're out of town.
- Easily read temperature, program operation and any maintenance reminders programmed into the system on the controller's blue digital screen.
- Know if there is a system problem. If the system detects a performance error, the screen will automatically flash red. The controller is designed to help the technician identify the cause of the error, making service quick and easy.



	Patented Controller	Dehumidification Mode	Sound Ratings	Modulation Capacity	ecoLogic® Seal	Heating Efficiency
Up to 25.5 SEER Air Conditioner	✓	✓	59-72 dBA	40%-118% of capacity	ecoLogic®	N/A
Up to 22 SEER Heat Pump	✓	✓	59-72 dBA	40%-118% of capacity	ecoLogic®	up to 10.0 HSPF
20 SEER Air Conditioner	Optional	Optional	59-73 dBA	49%-118% of capacity	ecoLogic®	N/A
Up to 19 SEER Heat Pump	Optional	Optional	59-73 dBA	49%-118% of capacity	ecoLogic®	up to 10.0 HSPF

### Heat pump or air conditioner?

The up to 25.5 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 iQ Drive heat pump. They operate in the summer the same as an air conditioner, but also provide heat in the winter. And with an HSPF (Heating Season Performance Factor) up to 10.0, they're incredibly efficient no matter what the weather.



Frigidaire iQ Drive systems are energy-efficient, environmentally responsible products. Look for the ecoLogic® seal.



To qualify, split system air conditioner and heat pump systems 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 Season Performance Factor (HSPF) of 8.2 or higher.

## The importance of being up to 25.5 SEER.

Your outdoor unit's efficiency is measured by a Seasonal Energy Efficiency Ratio, or SEER. The higher the SEER, the more efficiently your unit operates. Greater efficiency means bigger savings on utility costs.



### iQ Drive Air Conditioner or Heat Pump with Air Handler

- Up to 25.5 SEER Air Conditioners
- 20 SEER Air Conditioners
- Up to 22 SEER/10.0 HSPF Heat Pumps
- Up to 19 SEER/10.0 HSPF Heat Pumps



### iQ Drive Air Conditioner or Heat Pump with Gas Furnace

- Up to 23 SEER Air Conditioners
  - 20 SEER Air Conditioners
  - Up to 20 SEER/10.0 HSPF Heat Pumps
  - Up to 19 SEER/10.0 HSPF Heat Pumps
- Available with:
- 97+% AFUE iQ Drive Modulating
  - 95.1% AFUE Two-Stage, Variable-Speed
  - 80% AFUE Two-Stage, Variable-Speed

For ultimate comfort, consider **iQ Zone**

iQ Zone™ works hand-in-hand with your up to 25.5 SEER iQ Drive® air conditioner and up to 22 SEER iQ Drive heat pump 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 Frigidaire contractor for details on iQ Zone or visit [www.frigidaire.net](http://www.frigidaire.net).

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[www.frigidaire.net](http://www.frigidaire.net)



## Exceptional 10-Year Warranty and Comfort Quality Pledge

Frigidaire offers an incredible customer promise to protect your investment. When registered, every product offers one of the best warranties in the industry – a 10-year limited warranty on all parts and our Comfort Quality Pledge, which states that if your compressor or heat exchanger fails within the first 10 years, we will replace the entire unit. Speak to your Frigidaire contractor or visit us at [www.frigidaire.net](http://www.frigidaire.net) for warranty details.

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](http://www.energystar.gov).

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