

Tempstar® Variable-Speed Inverter Air Conditioners



SmartComfort® Deluxe 19
with SmartSense™ Technology
TVA9

TEMPSTAR®
Heating and Cooling Products
Quality you can feel.

TEMPSTAR
Heating and Cooling Products

smartsense
TECHNOLOGY

Built with strength

When you choose Tempstar® heating and cooling equipment, you're choosing dependability and innovation in home comfort. We are proud to give you the latest in engineering and technology. Each unit is 100% run tested, and we design our products to give you the best in quality, energy efficiency and reliability. We take pride in surpassing your expectations and delivering quality you can feel.



TVA9 SmartComfort® Deluxe 19 Air Conditioner with SmartSense™ Technology

- Up to 19 SEER cooling efficiency
- Variable-speed compressor for the ultimate in quiet and efficient operation
- Superior summer dehumidification
- Multi-speed fan motor for even temperatures
- Communicating capability
- 10-year No Hassle Replacement™ limited warranty
- 10-year parts limited warranty (upon timely registration)

SMARTCOMFORT® DELUXE 19

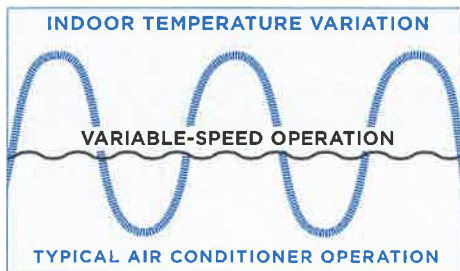
AIR CONDITIONER

WITH SMARTSENSE™ TECHNOLOGY

The SmartComfort® Deluxe 19 Air Conditioner with SmartSense™ Technology offers our best comfort in the warm seasons. The SmartSense Technology quietly delivers our highest efficiency cooling, superior humidity control and even comfort levels, all in a smaller package. When it's installed as part of a complete Observer® communicating system, your home will operate at optimal comfort levels no matter the temperature outside.

Savings

This product is designed for our best energy-saving operation at a cost comparable to a two-stage unit. It can save you money over traditional two-stage units with continuous and efficient performance. Operating much like adaptive cruise control, Tempstar variable-speed inverter products with SmartSense Technology make many small variations to speed in order to work more efficiently and keep temperatures and humidity in your home steady. When installed as part of an Observer communicating system the air conditioner will optimize itself to run at the most efficient level, which can save you money.



Steady, Quiet Comfort

Summer dinners on the patio are uninterrupted with SmartSense Technology. It runs much quieter than traditional two-stage units, so your evenings outside are peaceful. During warmer months it runs at lower, more efficient speeds in between cooling cycles, providing your home with superior humidity control and comfort.

Easy

The SmartComfort Deluxe 19 Air Conditioner with SmartSense Technology can be matched with a compatible indoor unit and works with most two-stage units. When installed



as part of a complete Observer communicating system with the Observer

communicating control featuring Wi-Fi® capability, your home will not only run at optimal levels but you can also adjust your preferred home temperatures remotely. That means when you come home from vacation, you can change your home temperature from your remote device so that it will be at the perfect comfort level when you walk through the door.

Efficiency ratings—what do they mean?



Seasonal Energy Efficiency Ratio (SEER)

Measures the cooling efficiency of air conditioners and heat pumps during an average cooling season. The higher the SEER, the greater the energy economy.



Energy Efficiency Rating (EER)

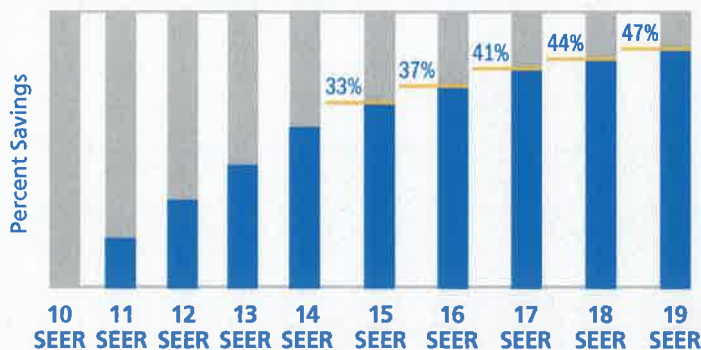
Measures the cooling efficiency of air conditioners and heat pumps during a set temperature (95° F).



ENERGY STAR®

A U.S. Environmental Protection Agency program to identify and promote energy-efficient products in order to reduce energy consumption.

SEER vs. Cooling Cost Savings



Percentage based on national averages at 10 SEER; may vary according to efficiency of current unit and installation.

	SMARTCOMFORT® DELUXE		SMARTCOMFORT®	
Tempstar® Split System Air Conditioner Options	TVA9	TCA7	TSA6	T4A3
Comfort Features				
Summer Dehumidification	Best	Best	Better	Better
Temperature Control	Best	Best	Better	Better
Efficiency				
Cooling SEER	Up to 19	Up to 17	Up to 16	13
Design Features				
Observer® Communicating System compatible (when installed with Observer Wall Control with Wi-Fi®)	•	•	•	
Compressor Stages	Variable	2	1	1
Compressor Sound Jacket	•	•	•	•
Multi-speed Fan Motor	•			•
Peace of Mind				
10-Year Parts Limited Warranty	•	•	•	•
No Hassle Replacement™ Limited Warranty	10-yr	10-yr	5-yr	1-yr

Backed by exceptional warranties

The only No Hassle Replacement™ limited warranty that you'll find in the industry backs every Tempstar SmartComfort product. It means comfort with no questions. We'll replace your unit if the compressor or coil fails within the covered period. We give you extra coverage in addition to a 10-year parts and compressor limited warranty.*



**To the original owner, Tempstar products are covered by a 10-year parts limited warranty upon timely registration. The limited warranty period is 5 years if not registered within 90 days of installation. Jurisdictions where warranty benefits cannot be conditioned on registration will automatically receive a 10-year parts limited warranty. See warranty certificate for complete details.*

Many models are ENERGY STAR® qualified. Ask your contractor for details or visit www.energystar.gov.

Timely registration required for 10 year parts limited warranty. Limited warranty period is 5 years for parts if not registered within 90 days of installation. Jurisdictions where warranty benefits cannot be conditioned on registration will receive the registered limited warranty periods. Please see warranty certificate for further details and restrictions.

All systems tested and listed by the appropriate agencies.



ISO 9001: 2000 Registered



As part of its commitment to quality, International Comfort Products reserves the right to change specifications on its products without notice. Illustrations and photographs in this brochure are only representative. Some product models may vary. Wi-Fi® is a registered trademark of the Wi-Fi Alliance Corporation.

TEMPSTAR®
Heating and Cooling Products

PO Box 128
Lewisburg, TN 37091
Tempstar.com

Tempstar® Variable-Speed Inverter Heat Pumps



SmartComfort® Deluxe 18
with SmartSense™ Technology
TVH8

TEMPSTAR®
Heating and Cooling Products
Quality you can feel.

TEMPSTAR®
Heating and Cooling Products

smartsense
TECHNOLOGY

Built with strength

When you choose Tempstar® heating and cooling equipment, you're choosing dependability and innovation in home comfort. We are proud to give you the latest in engineering and technology. Each unit is 100% run tested, and we design our products to give you the best in quality, energy efficiency and reliability. We take pride in surpassing your expectations and delivering quality you can feel.



TVH8 SmartComfort® Deluxe 18 Heat Pump with SmartSense™ Technology

- Up to 19 SEER cooling efficiency
- Up to 11 HSPF heating efficiency
- Variable-speed compressor for the ultimate in quiet and efficient operation
- Superior summer dehumidification
- High leaving air temperatures in the cold months for increased comfort
- Multi-speed fan motor for even temperatures
- Communicating capability
- 10-year No Hassle Replacement™ limited warranty
- 10-year parts limited warranty (upon timely registration)

SMARTCOMFORT® DELUXE 18

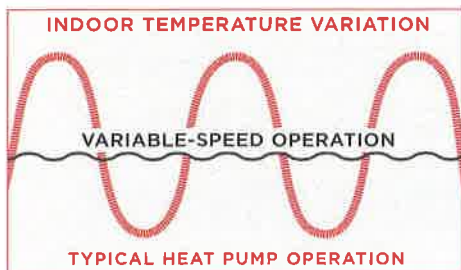
HEAT PUMP

WITH SMARTSENSE™ TECHNOLOGY

The SmartComfort® Deluxe 18 Heat Pump with SmartSense™ Technology offers superior heating and cooling comfort. The SmartSense Technology quietly delivers high efficiency heating and cooling, superior humidity control and even comfort levels, all in a smaller package. When it's installed as part of a complete Observer® communicating system, your home will operate at optimal comfort levels no matter the temperature outside.

Savings

This product is designed for our best energy-saving operation at a cost comparable to a two-stage unit. It can save you money over traditional two-stage units with continuous and efficient performance. Operating much like adaptive cruise control, Tempstar variable-speed inverter products with SmartSense Technology make many small variations to speed in order to work more efficiently and keep temperatures and humidity in your home steady. When installed as part of an Observer communicating system the heat pump will optimize itself to run at the most efficient level, which can save you money.



Steady, Quiet Comfort

Whether it's quiet summer days on the patio or fall evenings under the stars, your comfort will stay uninterrupted with SmartSense Technology. It runs much quieter than traditional two-stage units, so your time outside is peaceful. During warmer months it runs at lower, more efficient speeds in between cooling cycles, providing your home with superior humidity control and comfort. And during cooler months you'll experience higher leaving air temperatures for a steady, warming comfort—all at a lower sound level than two-stage heat pumps.

Easy

The SmartComfort Deluxe 18 Heat Pump with SmartSense Technology can be matched with a compatible indoor unit and works with most two-stage units. When installed as part of a complete Observer communicating



system with the Observer communicating control featuring Wi-Fi® capability,

your home will not only run at optimal levels but you can also adjust your preferred home temperatures remotely. That means when you come home from vacation, you can change your home temperature from your remote device so that it will be at the perfect comfort level when you walk through the door.

Efficiency ratings—what do they mean?



Seasonal Energy Efficiency Ratio (SEER)

Measures the cooling efficiency of air conditioners and heat pumps during an average cooling season. The higher the SEER, the greater the energy economy.



Energy Efficiency Rating (EER)

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Heating Seasonal Performance Factor (HSPF)

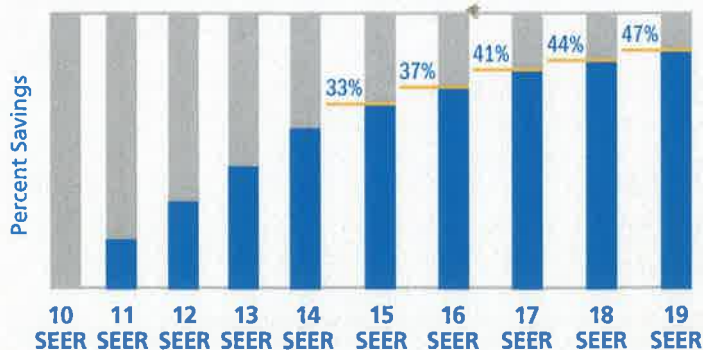
Measures the heating efficiency of heat pumps. The higher the HSPF, the greater the efficiency and energy savings potential during heat pump heating.



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SEER vs. Cooling Cost Savings



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	SMARTCOMFORT® DELUXE		SMARTCOMFORT®
Tempstar® Split System Heat Pump Options	TVH8	TCH6	TSH5
Comfort Features			
Summer Dehumidification	Best	Best	Better
Temperature Control	Best	Best	Better
Efficiency			
Cooling SEER	Up to 19	Up to 17.5	Up to 16
Electric Heating HSPF	Up to 11	Up to 9.5	Up to 9
Design Features			
Observer® Communicating System compatible (when installed with Observer Wall Control with Wi-Fi®)	•	•	•
Compressor Stages	Variable	2	1
Compressor Sound Jacket	•	•	•
Multi-speed Fan Motor	•		
Peace of Mind			
10-Year Parts Limited Warranty	•	•	•
No Hassle Replacement™ Limited Warranty	10-yr	10-yr	5-yr

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TVH8 Series
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Heating and Cooling Products

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