

## HIGH EFFICIENCY UP TO 19 SEER VARIABLE-SPEED HEAT PUMP

### WITH OBSERVER® COMMUNICATING CONTROL SYSTEM 2 THRU 5 TONS SPLIT SYSTEM

208 / 230 Volt, 1-phase, 60 Hz

#### REFRIGERATION CIRCUIT

- Variable speed compressor operates at 5 stages with capacity range as wide as 25 - 100%
- Electronic expansion valve (EXV) for precise heating control
- High pressure switch
- Suction pressure transducer
- Pressure equalizer valve for easy starting
- Compressor discharge temperature sensor
- Coil temperature sensor
- Copper tube/aluminum fin coil
- Internal crankcase heater standard
- Suction line accumulator factory installed



TSTAT0201CW  
Recommended  
(sold separately)

#### PERFORMANCE

- Up to 13.0 EER and 11 HSPF
- Integrated inverter control enables 5-stage operation with Observer control  
Observer Wall Control with version 5.0 or newer software required  
Also capable of 2-stage operation with 2-stage thermostat
- Self-configuring installation with Observer Communicating Wall Control
- Compact ECM fan motor driven by integrated inverter control
- Outdoor temperature sensor factory installed
- High performance compressor sound shield standard
- Isolation compressor grommets
- Enhanced dehumidification

#### EASY TO INSTALL AND SERVICE

- Text based diagnostics with Observer Communicating wall control
- Only 2 control wires required from communicating indoor unit to condenser
- External high and low refrigerant service ports
- Factory charged with R-410A refrigerant
- Adjustments for min and max staging with Observer Wall Control

#### BUILT TO LAST

- High gloss, baked-on powder coat finish over galvanized steel
- Post-painted (black) coil fins
- Coated inlet grille with 3/8" (10mm) spacing for extra protection (hail guard)
- Corner posts for extra strength and style

#### WARRANTY\*

- 10 year No Hassle Replacement™ limited warranty
- 5 year parts limited warranty (including compressor and coil)  
- With timely registration, an additional 5 year parts limited warranty (including compressor and coil)

\* For residential applications only. See warranty certificate for complete details and restrictions, including warranty coverage for other applications.



smartsense  
TECHNOLOGY



Qualifying models only  
This product has been designed and manufactured to meet ENERGY STAR criteria for energy efficiency when matched with appropriate coil components. However, proper refrigerant charge and proper air flow are critical to achieve rated capacity and efficiency. Installation of this product should follow the manufacturer's refrigerant charging and air flow instructions. Failure to confirm proper charge and airflow may reduce energy efficiency and shorten equipment life.



Use of the AHRI Certified TM Mark indicates a manufacturer's participation in the program. For verification of certification for individual products, go to [www.ahridirectory.org](http://www.ahridirectory.org).

#### UNIT PERFORMANCE DATA

Model Number	Size (tons)	Nominal Btu/hr	Min. Circuit Ampacity	Max. Fuse or Breaker	Operating Dimensions height x length/width(sq.) in. (mm)	Ship / Operating Weight lbs. (kg)	Notes
TVH824GKA	2	24,000	13.5	20	31-13/16 x 23-1/8 (807 x 587)	132/154(60/70)	
TVH825GKA‡	2	24,000	23.6	40	38-1/2 x 23-1/8 (980 x 587)	156/181 (71/82)	
TVH836GKA	3	36,000	24.4	40		156/181 (71/82)	
TVH837GKA‡	3	36,000	26.0	40	38-15/19 x 31-3/16 (989 x 792)	207/244 (94/111)	
TVH848GKA	4	48,000	31.4	50		207/244 (94/111)	
TVH860GKA	5	60,000	40.8	60	42-5/16 x 31-3/16 (1075 x 792)	233/272(106/123)	

‡ = Meets Energy Star criteria when matched with appropriate coil