

### HIGH EFFICIENCY UP TO 19 SEER VARIABLE-SPEED AIR CONDITIONER 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 from as wide as 25 – 100%
- High pressure switch
- Suction pressure transducer
- Pressure equalizer valve for easy starting
- Compressor discharge temperature sensor
- Coil temperature sensor
- Copper tube/aluminum fin coil

#### PERFORMANCE

- Up to 13.0 EER
- Integrated inverter control enables 5–stage operation with complete Observer communicating system including 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.



TSTAT0201CW  
(Sold Separately)



**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).

| Model Number | Size (tons) | Nominal Btu/hr | Min. Circuit Ampacity | Max. Fuse or Breaker | Operating Dimensions height x length/width (sq.) in. (mm) | Operating/Ship Weight lbs. (kg) |
|--------------|-------------|----------------|-----------------------|----------------------|---|---------------------------------|
| TVA924GKA    | 2           | 24,000         | 13.5                  | 20                   | 31–13/16 x 23–1/8 (807 x 587)                             | 128/150(58/68)                  |
| TVA925GKA ‡  | 2           | 24,000         | 23.6                  | 40                   | 38–1/2 x 23–1/8<br>(980 x 587)                            | 152/177 (69/80)                 |
| TVA936GKA    | 3           | 36,000         | 24.2                  | 40                   |   | 152/177 (69/80)                 |
| TVA937GKA ‡  | 3           | 36,000         | 26.0                  | 40                   | 38–15/16 x 31–3/16<br>(989 x 792)                         | 205/242 (93/110)                |
| TVA948GKA    | 4           | 48,000         | 27.3                  | 40                   |   | 205/242 (93/110)                |
| TVA949GKA ‡  | 4           | 48,000         | 26.0                  | 40                   | 43–11/16 x 35 (1111 x 889)                                | 249/285 (113/129)               |
| TVA960GKA    | 5           | 60,000         | 40.0                  | 60                   | 42–5/16 x 31–3/16 (1075 x 792)                            | 229/268(104/121)                |

‡ = Meets Energy Star criteria when matched with appropriate coil

| <b>OUTDOOR UNIT MODEL NUMBER IDENTIFICATION GUIDE (single phase)</b>  |          |          |          |          |           |          |          |          |          |          |          |
|---|----------|----------|----------|----------|-----------|----------|----------|----------|----------|----------|----------|
| Digit Position:   | 1        | 2        | 3        | 4        | 5, 6      | 7        | 8        | 9        | 10       | 11       | 12       |
| Example Part Number:  | <b>T</b> | <b>V</b> | <b>A</b> | <b>9</b> | <b>24</b> | <b>G</b> | <b>K</b> | <b>A</b> | <b>1</b> | <b>0</b> | <b>0</b> |
| T = Tempstar Mainline<br><b>BRANDING</b>  |          |          |          |          |           |          |          |          |          |          |          |
| V = Variable Speed<br><b>KEY CHARACTERISTIC</b>   |          |          |          |          |           |          |          |          |          |          |          |
| A = Air Conditioner<br>H = Heat Pump<br><b>TYPE</b>   |          |          |          |          |           |          |          |          |          |          |          |
| 6 = 16 SEER<br>7 = 17 SEER<br>8 = 18 SEER<br>9 = 19 SEER<br><b>NOMINAL EFFICIENCY</b>   |          |          |          |          |           |          |          |          |          |          |          |
| 24 = 24,000 BTUH = 2 tons<br>25 = 24,000 BTUH = 2 tons<br>36 = 36,000 BTUH = 3 tons<br>37 = 36,000 BTUH = 3 tons<br>48 = 48,000 BTUH = 4 tons<br>60 = 60,000 BTUH = 5 tons<br><b>NOMINAL CAPACITY</b> |          |          |          |          |           |          |          |          |          |          |          |
| G = Coil Guard Grille<br><b>FEATURES</b>  |          |          |          |          |           |          |          |          |          |          |          |
| K = 208/230-1-60<br><b>VOLTAGE</b>  |          |          |          |          |           |          |          |          |          |          |          |
| Sales Code  |          |          |          |          |           |          |          |          |          |          |          |
| Engineering Revision  |          |          |          |          |           |          |          |          |          |          |          |
| Extra Digit   |          |          |          |          |           |          |          |          |          |          |          |
| Extra Digit   |          |          |          |          |           |          |          |          |          |          |          |

| <b>ACCESSORIES PART NUMBER IDENTIFICATION GUIDE</b>                           |          |          |          |          |          |           |           |           |  |
|---|----------|----------|----------|----------|----------|-----------|-----------|-----------|--|
| Digit Position:   | 1        | 2        | 3        | 4        | 5        | 6, 7      | 8, 9      | 10, 11    |  |
| Example Part Number:  | <b>N</b> | <b>A</b> | <b>S</b> | <b>A</b> | <b>0</b> | <b>01</b> | <b>01</b> | <b>CH</b> |  |
| N = Non-Branded   |          |          |          |          |          |           |           |           |  |
| A = Accessory<br><b>PRODUCT GROUP</b>   |          |          |          |          |          |           |           |           |  |
| S = Split System (AC & HP)<br><b>KIT USAGE</b>                                |          |          |          |          |          |           |           |           |  |
| A = Original<br>B = 2nd Generation<br><b>MAJOR SERIES</b>                     |          |          |          |          |          |           |           |           |  |
| 0 = Generic or Not Applicable<br>2 = R-22<br>4 = R-410A<br><b>REFRIGERANT</b> |          |          |          |          |          |           |           |           |  |
| Product Identifier Number   |          |          |          |          |          |           |           |           |  |
| Package Quantity  |          |          |          |          |          |           |           |           |  |
| Type of Kit (Example: CH = Crankcase Heater)                                  |          |          |          |          |          |           |           |           |  |