

# Vantix<sup>™</sup> Line iM Air Conditioners



This product meets a stringent set of our internally defined sustainability standards

# SA16AZ



EcoNet<sup>®</sup> Enabled Cooling Efficiencies up to: 17 SEER2/10.5 EER2 Nominal Sizes: 2 to 5 Tons [7.0 to 17.6 kW] Cooling Capacities: 23.5 kBTU to 56 kBTU [6.9 to 16.4 kW]



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## **Table of Contents**

| Features & Benefits               | 3    |
|-----------------------------------|------|
| Model Number Identification       | 4    |
| General Data/Electrical Data      | 5    |
| Accessories                       | 6    |
| Unit Dimensions                   | 7    |
| Clearances                        | 8    |
| Refrigerant Line Size Information | 9-10 |
| Performance Data                  | 11   |
| Smart Home Systems                | 12   |
| Limited Warranty                  | 16   |

### **Features and Benefits**

- EcoNet<sup>®</sup> Enabled: Automatic system configuration and optimization
- Diagnostics & Bluetooth®1 Connectivity: With the Sure Comfort Contractor & EcoNet® Apps, built-in technology makes advanced set-up, monitoring, troubleshooting and repairing the product easier than ever before
- Variable Speed Twin Rotary Compressor & Inverter Drive: Features Inverter operation from 45 to 70% capacity or 100% capacity with the EcoNet<sup>®</sup> Smart Thermostat
- **3-Speed Operation:** When installed with a 24V two-stage thermostat
- Provides Precise Temperature Control: Advanced humidity control and greater efficiency

- Brushless DC Condenser Motors (BLDC): Enhances reliability and allows for easier serviceability
- Swept Wing Fan Technology: Features quieter operation and improved unit acoustics
- **7mm Condenser Copper Coil:** Requires less refrigerant allowing for a smaller and lighter footprint while enhancing reliability
- Expanded Valve Space: 3 in. 4 in. 5 in. service valve space provides a minimum working area of 27-square inches for easier access<sup>2</sup>
- **Triple Service Access:** 15 in. wide, industry leading access makes repairs easier and faster

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# Air Conditioners

| _                |                      |               |         |             |   |                |                     |              |                   |                |              |
|------------------|----------------------|---------------|---------|-------------|---|----------------|---------------------|--------------|-------------------|----------------|--------------|
| <u>\$</u>        | A                    | <u>16</u>     | A       | ž           | <u>24</u>   | A              | ī                   | <u>3</u>     | <u>c</u>          | A              | LHP          |
| Brand            | Product Category     | SEER2         | Region  | Refrigerant | Capacity BTU/HR   | Major Series   | Voltage             | Туре         | Controls          | Minor Series   | Option Code  |
| S - Sure Comfort | A - Air Conditioners | 16 - 16 SEER2 | A - Ali | Z - R-410A  | 24 - 24,000 [7.03 kW]<br>36 - 36,000 [10.55 kW]<br>48 - 48,000 [14.07 kW]<br>60 - 60,000 [17.58 kW] | A - 1st Design | J - 1ph, 208-230/60 | 3 - 3+ Stage | C - Communicating | A - 1st Design | LHP - W/HLPC |

#### [ ] Designates Metric Conversions

| AVAILABLE MODELS | DESCRIPTION   |
|------------------|---|
| SA16AZ24AJ3CA    | Vantix™ Line 2 ton EcoNet® Enabled 3+ Speed iM Air Conditioner – 208/230/1/60 |
| SA16AZ36AJ3CA    | Vantix™ Line 3 ton EcoNet® Enabled 3+ Speed iM Air Conditioner – 208/230/1/60 |
| SA16AZ48AJ3CA    | Vantix™ Line 4 ton EcoNet® Enabled 3+ Speed iM Air Conditioner – 208/230/1/60 |
| SA16AZ60AJ3CA    | Vantix™ Line 5 ton EcoNet® Enabled 3+ Speed iM Air Conditioner – 208/230/1/60 |

| STANDARD EQUIPMENT                  |
|-------------------------------------|
| R-410A Refrigerant                  |
| Scroll Compressor                   |
| Field Installed Filter Drier        |
| Front Seating Service Valves        |
| Internal Pressure Relief Valve      |
| Internal Thermal Overload           |
| Long Line capability                |
| 3-4-5 Expanded Valve Space          |
| Composite Basepan                   |
| 2 Screw Control Box Access          |
| 15" Access to Internal Components   |
| No fasteners to remove along bottom |
| Optimized Venturi Airflow           |
| Single row condenser coil           |
| Powder coated paint                 |
| Rust resistant screws               |
| QR code                             |
| External gauge ports                |
| Service trays                       |
| SERVICE TRAYS                       |

\*5T Model SEER2: 15.5 SEER2

| MODEL NO.  | SA16AZ24AJ3  | SA16AZ36AJ3  | SA16AZ48AJ3  | SA16AZ60AJ3  |  |  |  |  |  |
|--|--------------|--------------|--------------|--------------|--|--|--|--|--|
| Nominal Tonnage                                    | 2.0          | 3.0          | 4.0          | 5.0          |  |  |  |  |  |
| Valve Connections                                  |              |              |              |              |  |  |  |  |  |
| Liquid Line O.D. – in.                             | 3/8          | 3/8          | 3/8          | 3/8          |  |  |  |  |  |
| Suction Line O.D. – in.                            | 3/4          | 3/4          | 7/8          | 7/8          |  |  |  |  |  |
| Refrigerant (R410A) furnished oz. <sup>1</sup>     | 91           | 119          | 130          | 154          |  |  |  |  |  |
| Compressor Type                                    |              | Twin F       | Rotary       |              |  |  |  |  |  |
| Outdoor Coil                                       |              |              |              |              |  |  |  |  |  |
| Net face area – Outer Coil                         | 11.79        | 14.4         | 16.42        | 17.88        |  |  |  |  |  |
| Net face area – Inner Coil                         | _            | _            |              |              |  |  |  |  |  |
| Tube diameter – in.                                | 0.276        | 0.276        | 0.276        | 0.276        |  |  |  |  |  |
| Number of rows                                     | 1            | 1            | 1            | 1            |  |  |  |  |  |
| Fins per inch                                      | 24           | 24           | 24           | 24           |  |  |  |  |  |
| Outdoor Fan  |              |              |              |              |  |  |  |  |  |
| Diameter – in.                                     | 20           | 24           | 24           | 26           |  |  |  |  |  |
| Number of blades                                   | 3            | 3            | 3            | 3            |  |  |  |  |  |
| Motor hp   | 1/5          | 1/5          | 1/3          | 1/2          |  |  |  |  |  |
| CFM  | 2883         | 4138         | 4508         | 5348         |  |  |  |  |  |
| RPM  | 1075         | 1000         | 1075         | 1075         |  |  |  |  |  |
| watts  | 168          | 267          | 297          | 379          |  |  |  |  |  |
| Shipping weight – Ibs.                             | 153          | 157          | 195          | 211          |  |  |  |  |  |
| Operating weight – Ibs.                            | 146          | 150          | 188          | 204          |  |  |  |  |  |
| Electrical Data                                    |              |              |              |              |  |  |  |  |  |
| Line Voltage Data (Volts-Phase-Hz)                 | 208/230-1-60 | 208/230-1-60 | 208/230-1-60 | 208/230-1-60 |  |  |  |  |  |
| Maximum overcurrent protection (amps) <sup>2</sup> | 20           | 30           | 40           | 50           |  |  |  |  |  |
| Minimum circuit ampacity <sup>3</sup>              | 12           | 20           | 25           | 32           |  |  |  |  |  |
| Compressor   |              |              |              |              |  |  |  |  |  |
| Rated load amps                                    | 10           | 15           | 20           | 25           |  |  |  |  |  |
| Locked rotor amps                                  | 65           | 70           | 96           | 119          |  |  |  |  |  |

<sup>1</sup>Refrigerant charge sufficient for 15 ft. length of refrigerant lines. For longer line set requirements see the installation instructions for information about set length and additional refrigerant charge required.
 <sup>2</sup>HACR type circuit breaker of fuse.
 <sup>3</sup>Refer to National Electrical Code manual to determine wire, fuse and disconnect size requirements.

### Accessories

| MODEL N                      | 0.             | SA16AZ24AJ3       | SA16AZ36AJ3       | SA16AZ48AJ3                         | SA16AZ60AJ3       |
|------------------------------|----------------|-------------------|-------------------|-------------------------------------|-------------------|
| Compressor crankcase heater* |                | Х                 | Х                 | Х                                   | Х                 |
| Compressor sound cover       |                | Factory Installed | Factory Installed | Factory Installed                   | Factory Installed |
| Compressor hard start kit    |                | Factory Installed | Factory Installed | Factory Installed                   | Factory Installed |
| Compressor time delay        |                | Factory Installed | Factory Installed | Factory Installed Factory Installed |                   |
| Low pressure control         |                | Х                 | Х                 | X                                   | х                 |
| High pressure control        |                | Factory Installed | Factory Installed | Factory Installed                   | Factory Installed |
| Liquid Line Solenoid         | Solenoid Valve | 200RD2T3TVLC      | 200RD2T3TVLC      | 200RD2T3TVLC                        | 200RD2T3TVLC      |
| (24 VAC, 50/60 Hz)           | Solenoid Coil  | 61-AMG24V         | 61-AMG24V         | 61-AMG24V                           | 61-AMG24V         |
| Liquid Line Solenoid         | Solenoid Valve | 200RD2T3TVLC      | 200RD2T3TVLC      | 200RD2T3TVLC                        | 200RD2T3TVLC      |
| (120/240 VAC, 50/60 Hz)      | Solenoid Coil  | 61-AMG120/240V    | 61-AMG120/240V    | 61-AMG120/240V                      | 61-AMG120/240V    |

\*Crankcase Heater recommended with Low Ambient Kit.

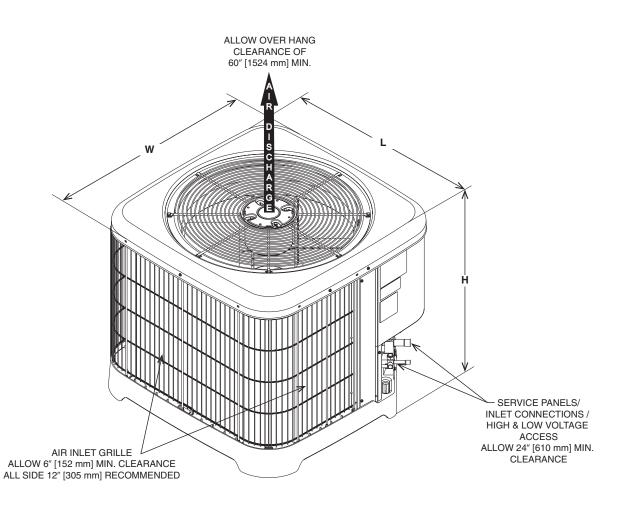
# Weighted Sound Power Level (dBA)

| UNIT SIZE -     | STANDARD     | TYPI | CAL OCTAVE | BAND SPECT | FRUM (DBA V | VITHOUT TO | NE ADJUSTIV | IENT) | SOUND POWER LEVEL [DB(A)] |  |
|-----------------|--------------|------|------------|------------|-------------|------------|-------------|-------|---------------------------|--|
| VOLTAGE, SERIES | RATING (DBA) | 125  | 250        | 500        | 1000        | 2000       | 4000        | 8000  | WITH SOUND BLANKET        |  |
| SA16AZ24AJ3     | 63.3         | 35.9 | 47.9       | 55.3       | 53.2        | 50.4       | 47.1        | 43.8  |                           |  |
| SATOAZZ4AJS     | 71.7         | 46.1 | 59.1       | 63.2       | 60.8        | 58.7       | 56.5        | 47.9  |                           |  |
| SA16AZ36AJ3     | 61.4         | 38.5 | 48.0       | 53.8       | 49.2        | 45.9       | 47.0        | 47.4  |                           |  |
| SATUAZ30AJ3     | 72.9         | 47.5 | 59.5       | 64.9       | 60.7        | 62.6       | 57.0        | 49.6  | Sound<br>Blankets -       |  |
| SA16AZ48AJ3     | 63.8         | 42.3 | 45.9       | 53.5       | 48.9        | 45.8       | 59.1        | 36.4  | Standard                  |  |
| 3A10A240A33     | 76.2         | 49.4 | 61.4       | 68.1       | 53.9        | 60.8       | 57.4        | 48.5  |                           |  |
| SA16AZ60AJ3     | 65.7         | 39.7 | 49.0       | 58.2       | 54.5        | 52.2       | 53.8        | 41.3  |                           |  |
| SATUAZUUAJ3     | 76.7         | 49.3 | 64.6       | 68.1       | 65.1        | 62.6       | 58.6        | 53.0  |                           |  |

**NOTE:** Tested in accordance with AHRI Standard 270-08 (not listed in AHRI)

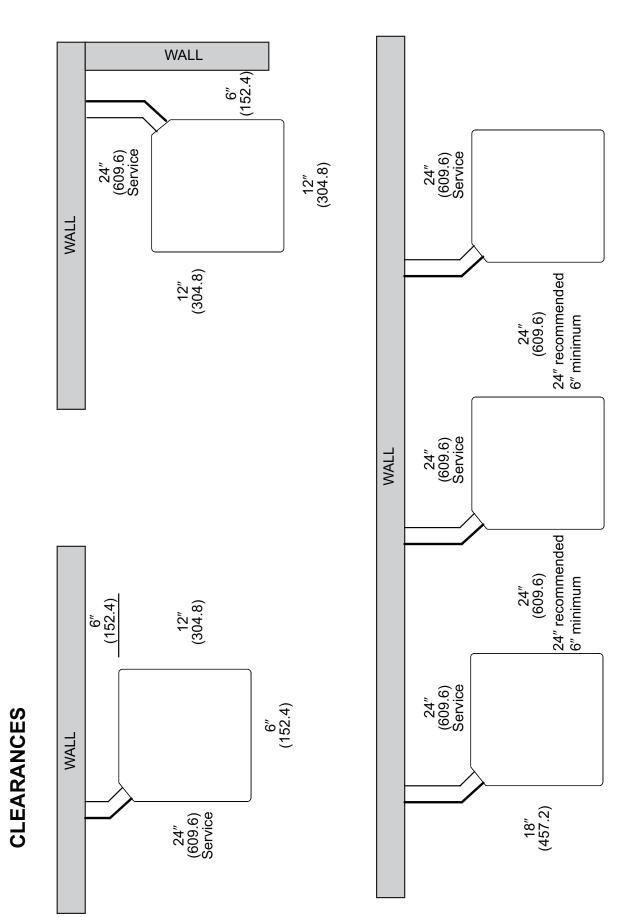
### **Unit Dimensions**

|             |            |     | OPER       | ATING |           |     | SHIPPING   |     |            |     |           |     |
|-------------|------------|-----|------------|-------|-----------|-----|------------|-----|------------|-----|-----------|-----|
| MODEL NO.   | H (Height) |     | L (Length) |       | W (Width) |     | H (Height) |     | L (Length) |     | W (Width) |     |
|             | INCHES     | mm  | INCHES     | mm    | INCHES    | mm  | INCHES     | mm  | INCHES     | mm  | INCHES    | mm  |
| SA16AZ24AJ3 | 27.00      | 686 | 29.75      | 756   | 29.75     | 756 | 28.50      | 724 | 32.38      | 822 | 32.38     | 822 |
| SA16AZ36AJ3 | 27.00      | 686 | 33.75      | 857   | 33.75     | 857 | 28.50      | 724 | 36.38      | 924 | 36.38     | 924 |
| SA16AZ48AJ3 | 31.00      | 787 | 33.75      | 857   | 33.75     | 857 | 32.50      | 826 | 36.38      | 924 | 36.38     | 924 |
| SA16AZ60AJ3 | 31.00      | 787 | 35.75      | 908   | 35.75     | 908 | 32.50      | 826 | 38.38      | 975 | 38.38     | 975 |



[ ] Designates Metric Conversions

ST-A1226-24-00



# NOTE: NUMBERS IN () = mm

IMPORTANT: When installing multiple units in an alcove, roof well or partially enclosed area, ensure there is adequate ventillation to prevent re-circulation of discretage air.

ST-A1225-01-00

## **Refrigerant Line Size Information**

|                          |                     |                    | 15/16 SEER2 VAR   | IABLE SPEED AIR | CONDITIONERS    |                   |            |         |  |  |  |
|--------------------------|---------------------|--------------------|---|-----------------|-----------------|-------------------|------------|---------|--|--|--|
|                          | ALLOWABLE           | ALLOWABLE          | OUTDOOR UNIT ABOVE OR BELOW INDOOR UNIT<br>EQUIVALENT LENGTH (FEET) |                 |                 |                   |            |         |  |  |  |
| UNIT SIZE                | LIQUID<br>LINE SIZE | VAPOR LINE<br>Size | < 25  | 26-50           | 51-75           | 76-100            | 101-125    | 126-150 |  |  |  |
|                          |                     | 0.22               |   | MAXIMUM         | VERTICAL SEPARA | TION / CAPACITY I | MULTIPLIER |         |  |  |  |
|                          | 1/4"                | 5/8"               | 25/1.00   | 50/0.99         | 32/0.98         | 40/0.97           | NR         | NR      |  |  |  |
|                          | 5/16"               | 5/8"               | 25/1.00   | 50/0.99         | 50/0.98         | 50/0.97           | 50/0.96    | 50/0.95 |  |  |  |
| 2.0 Ton<br>** <b>SEE</b> | 3/8"                | 5/8"               | 25/1.00   | 50/0.99         | 50/0.98         | 50/0.97           | 50/0.96    | 50/0.95 |  |  |  |
| NOTE 3                   | 1/4"                | 3/4"**             | 25/1.00   | 50/1.00         | 32/0.99         | 40/0.99           | NR         | NR      |  |  |  |
|                          | 5/16"               | 3/4"**             | 25/1.00   | 50/1.00         | 50/0.99         | 50/0.99           | 50/0.99    | 50/0.98 |  |  |  |
|                          | 3/8"                | 3/4"**             | 25/1.00   | 50/1.00         | 50/0.99         | 50/0.99           | 50/0.99    | 50/0.98 |  |  |  |
|                          | 5/16"               | 5/8"               | 25/0.99   | 50/0.97         | 50/0.95         | 50/0.93           | 37/0.91    | NR      |  |  |  |
|                          | 3/8"                | 5/8"               | 25/0.99   | 50/0.97         | 50/0.95         | 50/0.93           | 50/0.91    | NR      |  |  |  |
| 3 Ton                    | 5/16"               | 3/4"               | 25/1.00   | 50/0.99         | 50/0.99         | 50/0.98           | 37/0.97    | 22/0.96 |  |  |  |
|                          | 3/8"                | 3/4"               | 25/1.00   | 50/0.99         | 50/0.99         | 50/0.98           | 50/0.97    | 50/0.96 |  |  |  |
|                          | 1/2"                | 3/4"               | 25/1.00   | 50/0.99         | 50/0.99         | 50/0.98           | 50/0.97    | 50/0.96 |  |  |  |
|                          | 3/8"                | 3/4"               | 25/0.99   | 50/0.98         | 50/0.97         | 50/0.96           | 50/0.94    | 50/0.93 |  |  |  |
| 4 Ton                    | 1/2"                | 3/4"               | 25/0.99   | 50/0.98         | 50/0.97         | 50/0.96           | 50/0.94    | 50/0.93 |  |  |  |
| 4 1011                   | 3/8"                | 7/8"               | 25/1.00   | 50/0.99         | 50/0.99         | 50/0.98           | 50/0.98    | 50/0.97 |  |  |  |
|                          | 1/2"                | 7/8"               | 25/1.00   | 50/0.99         | 50/0.99         | 50/0.98           | 50/0.98    | 50/0.97 |  |  |  |
|                          | 3/8"                | 3/4"               | 25/0.99   | 50/0.97         | 50/0.95         | 50/0.93           | 50/0.91    | NR      |  |  |  |
| 5 Ton                    | 1/2"                | 3/4"               | 25/0.99   | 50/0.97         | 50/0.95         | 50/0.93           | 50/0.91    | NR      |  |  |  |
| 5 1011                   | 3/8"                | 7/8"               | 25/1.00   | 50/0.99         | 50/0.98         | 50/0.98           | 50/0.97    | 38/0.96 |  |  |  |
|                          | 1/2"                | 7/8"               | 25/1.00   | 50/0.99         | 50/0.98         | 50/0.98           | 50/0.97    | 50/0.96 |  |  |  |

NOTES:

1) Do not exceed 150 ft. linear line length.

2) \*Do not exceed 50 ft. vertical separation if outdoor unit is above indoor unit.

a) \*\*3/4" suction line should only be used for 2 ton systems if outdoor unit is below or at same level as indoor to assure proper oil return.
Always use the smallest liquid line allowable to minimize refrigerant charge.
Applications shaded in light gray indicate capacity multipliers between 0.90 and 0.96 which are not recommended, but are allowed.
Applications shaded in dark gray are not recommended due to excessive liquid or suction pressure drop.

## **Refrigerant Line Size Information (Con't.)**

|                          |                     |                    | 15/16 SEER2 VAR | IABLE SPEED AIR   | CONDITIONERS    |                   |            |         |  |  |  |  |
|--------------------------|---------------------|--------------------|-----------------|---|-----------------|-------------------|------------|---------|--|--|--|--|
|                          | ALLOWABLE           | ALLOWABLE          |                 | OUTDOOR UNIT ABOVE OR BELOW INDOOR UNIT<br>EQUIVALENT LENGTH (METERS) |                 |                   |            |         |  |  |  |  |
| UNIT SIZE                | LIQUID<br>LINE SIZE | VAPOR LINE<br>Size | < 25            | 26-50   | 51-75           | 76-100            | 101-125    | 126-150 |  |  |  |  |
|                          |                     | 0.22               |                 | MAXIMUM   | VERTICAL SEPARA | TION / CAPACITY I | MULTIPLIER |         |  |  |  |  |
|                          | 6.35 [1/4]          | 15.88 [5/8]        | 8/1.00          | 15/0.99   | 10/0.98         | 10/0.97           | NR         | NR      |  |  |  |  |
|                          | 7.94 [5/16]         | 15.88 [5/8]        | 8/1.00          | 15/0.99   | 15/0.98         | 15/0.97           | 15/0.96    | 15/0.95 |  |  |  |  |
| 2.0 Ton<br>** <b>SEE</b> | 9.53 [3/8]          | 15.88 [5/8]        | 8/1.00          | 15/0.99   | 15/0.98         | 15/0.97           | 15/0.96    | 15/0.95 |  |  |  |  |
| NOTE 3                   | 6.35 [1/4]          | 19.05 [3/4]**      | 8/1.00          | 15/0.99   | 10/0.99         | 12/0.99           | NR         | NR      |  |  |  |  |
|                          | 7.94 [5/16]         | 19.05 [3/4]**      | 8/1.00          | 15/0.99   | 15/0.99         | 15/0.99           | 15/0.99    | 15/0.98 |  |  |  |  |
|                          | 9.53 [3/8]          | 19.05 [3/4]**      | 8/1.00          | 15/0.99   | 15/0.99         | 15/0.99           | 15/0.99    | 15/0.98 |  |  |  |  |
|                          | 7.94 [5/16]         | 15.88 [5/8]        | 8/0.99          | 15/0.97   | 15/0.95         | 15/0.93           | 11/0.91    | NR      |  |  |  |  |
|                          | 9.53 [3/8]          | 15.88 [5/8]        | 8/0.99          | 15/0.97   | 15/0.95         | 15/0.93           | 15/0.91    | NR      |  |  |  |  |
| 3 Ton                    | 7.94 [5/16]         | 19.05 [3/4]        | 8/1.00          | 15/0.99   | 15/0.99         | 15/0.98           | 11/0.97    | 7/0.96  |  |  |  |  |
|                          | 9.53 [3/8]          | 19.05 [3/4]        | 8/1.00          | 15/0.99   | 15/0.99         | 15/0.98           | 15/0.97    | 15/0.96 |  |  |  |  |
|                          | 12.7 [1/2]          | 19.05 [3/4]        | 8/1.00          | 15/0.99   | 15/0.99         | 15/0.98           | 15/0.97    | 15/0.96 |  |  |  |  |
|                          | 9.53 [3/8]          | 19.05 [3/4]        | 8/0.99          | 15/0.98   | 15/0.97         | 15/0.96           | 15/0.94    | 15/0.93 |  |  |  |  |
| 4 Top                    | 12.7 [1/2]          | 19.05 [3/4]        | 8/0.99          | 15/0.98   | 15/0.97         | 15/0.96           | 15/0.94    | 15/0.93 |  |  |  |  |
| 4 Ton                    | 9.53 [3/8]          | 22.23 [7/8]        | 8/1.00          | 15/0.99   | 15/0.99         | 15/0.98           | 15/0.98    | 15/0.97 |  |  |  |  |
|                          | 12.7 [1/2]          | 22.23 [7/8]        | 8/1.00          | 15/0.99   | 15/0.99         | 15/0.98           | 15/0.98    | 15/0.97 |  |  |  |  |
|                          | 9.53 [3/8]          | 19.05 [3/4]        | 8/0.99          | 15/0.97   | 15/0.95         | 15/0.93           | 15/0.91    | NR      |  |  |  |  |
| 5 Ton                    | 12.7 [1/2]          | 19.05 [3/4]        | 8/0.99          | 15/0.97   | 15/0.95         | 15/0.93           | 15/0.91    | NR      |  |  |  |  |
| 5 1011                   | 9.53 [3/8]          | 22.23 [7/8]        | 8/1.00          | 15/0.99   | 15/0.98         | 15/0.98           | 15/0.97    | 12/0.96 |  |  |  |  |
|                          | 12.7 [1/2]          | 22.23 [7/8]        | 8/1.00          | 15/0.99   | 15/0.98         | 15/0.98           | 15/0.97    | 15/0.97 |  |  |  |  |

NOTES:

Do not exceed 46 meters linear line length.
 \*Do not exceed 15 meters vertical separation between indoor and outdoor units.

3) \*\*19.05mm [3/4"] vapor line should only be used for 2 ton systems if outdoor unit is below or at same level as indoor unit to assure proper oil return.

Applications shaded in light gray indicate capacity multipliers between 0.90 and 0.96 which are not recommended, but are allowed. Applications shaded in dark gray are not recommended due to excessive liquid or suction pressure drop.

Always use the smallest liquid line allowable to minimize refrigerant charge.
 Applications shaded in light gray indicate capacity multipliers between 0.90 a
 Applications shaded in dark gray are not recommended due to excessive liqu

|                | ADDITIONAL OIL, OZ. |     |     |     |     |     |     |     |     |     |     |  |
|----------------|---------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--|
| LINESET LENGTH | 50                  | 60  | 70  | 80  | 90  | 100 | 110 | 120 | 130 | 140 | 150 |  |
| 2T             | N/A                 | N/A | N/A | N/A | N/A | 1   | 2   | 3   | 5   | 6   | 7   |  |
| 3T             | N/A                 | N/A | N/A | N/A | N/A | N/A | 1   | 2   | 3   | 5   | 6   |  |
| 4T             | N/A                 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |  |
| 5T             | N/A                 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |  |

## Performance Data @ AHRI Standard Conditions - Cooling

| DESIGNATED TESTED | DESIGNATED TESTED COMBINATION (DTC) |                              |                            |                          |       |      |                     |  |  |  |  |  |  |
|-------------------|-------------------------------------|------------------------------|----------------------------|--------------------------|-------|------|---------------------|--|--|--|--|--|--|
| OUTDOOR<br>UNIT   | INDOOR<br>Coil                      | TOTAL CAPACITY<br>BTU/H [KW] | NET SENSIBLE<br>BTU/H [KW] | NET LATENT<br>BTU/H [KW] | SEER2 | EER2 | INDOOR<br>CFM [L/S] |  |  |  |  |  |  |
| SA16AZ24AJ3C      | SH3VZ2417STACN                      | 22,800 [6.7]                 | 17,600 [5.2]               | 5,200 [1.5]              | 16.0  | 10.5 | 750 [354.0]         |  |  |  |  |  |  |
| SA16AZ36AJ3C      | SH3VZ3617STACN                      | 34,200 [10.0]                | 26,600 [7.8]               | 7,600 [2.2]              | 16.0  | 10.5 | 1,125 [530.9]       |  |  |  |  |  |  |
| SA16AZ48AJ3C      | SH3VZ4821STACN                      | 45,500 [13.3]                | 35,500 [10.4]              | 10,000 [2.9]             | 16.0  | 10.5 | 1,425 [672.5]       |  |  |  |  |  |  |
| SA16AZ60AJ3C      | SH3VZ6024STACN                      | 55,500 [16.3]                | 43,000 [12.6]              | 12,500 [3.7]             | 15.5  | 9.8  | 1,675 [790.5]       |  |  |  |  |  |  |

NOTE: This data includes DTC (Designated Test Combination) ratings and is for reference purposes only. A full listing of official ratings and system match-ups, along with downloadable certificates, can be accessed from the AHRI website: www.ahridirectory.org.

[ ] Designates Metric Conversions

### **Integrated Controls**



EcoNet<sup>®</sup> is smart, technology that allows Heating and Cooling, products to communicate with each other on one integrated network.

### THE ECONET® SMART THERMOSTAT

**BUILT-IN WIFI** 

4.3" LCD TOUCH SCREEN

LOCAL WEATHER – Current conditions plus 6-day forecast 5 OPERATING MODES – Heat, Cool, Auto, Emergency Heat and Fan Only 7-DAY PROGRAMMABLE SCHEDULE – Offers comfort without thought ONE-TOUCH AWAY – Quickly switch to your energy-saving away preferences VACATION SCHEDULING – Allows you to save while you're away and come home to comfort STANDBY SCREEN – Displays indoor temperature and current weather



**CETST800SYS** 

### **OPERATIONAL FEATURES**

AUTOMATIC CHANGEOVER – Transitions between heating and cooling automatically to keep the house comfortable INTEGRATED WATER CONTROL – Enables easy water heater management SMOOTH ARRIVAL – Prompts the system to start ahead of schedule to ensure the home is at the desired temperature at the scheduled time HUMIDITY CONTROL – Supports humidifier accessories or over-cool based dehumidification DETAILED OPERATING STATUS – View pertinent equipment status information and run times CONTINUOUS FAN – Offers 5 speeds (Low, Medium Low, Medium, Medium High, High) SHORT-CYCLE PROTECTION – Avoids damage to equipment from short run cycles

### **MONITORING & REMOTE CONTROL FEATURES**

ACTIVE MONITORING – Alerts to problems that need immediate attention REMOTE CONTROL – Allows adjusting of comfort and settings from anywhere using a mobile device SERVICE ALERTS – Sends routine maintenance reminders AIR FILTER MONITORING – Detects when it's time to replace the air filter ALARM HISTORY – Displays time-stamped alarm codes with clear descriptions

Notes SA16AZ Notes SA16AZ

Notes SA16AZ



### **GENERAL TERMS OF LIMITED WARRANTY\***

Sure Comfort® will furnish a replacement for any part of this product which fails in normal use and service within the applicable period stated, in accordance with the terms of the limited warranty.

\*For complete details of the Limited and Conditional Warranties, including applicable terms and conditions, contact your local contractor or the Manufacturer for a copy of the product warranty certificate.

| Conditional Unit Replacement |                |
|------------------------------|----------------|
| (Registration Required)      | Ten (10) Years |
| Parts                        | Ten (10) Years |

Before proceeding with installation, refer to installation instructions packaged with each model, as well as complying with all Federal, State, Provincial, and Local codes, regulations, and practices.

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In keeping with its policy of continuous progress and product improvement, Sure Comfort reserves the right to make changes without notice.

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