



PROJECT NAME \_\_\_\_\_  
LOCATION \_\_\_\_\_  
ARCHITECT \_\_\_\_\_  
ENGINEER \_\_\_\_\_  
CONTRACTOR \_\_\_\_\_  
SUBMITTED BY \_\_\_\_\_ DATE \_\_\_\_\_

#### UNIT SUMMARY

|                     |  |  |  |  |  |  |
|---------------------|--|--|--|--|--|--|
| Quantity            |  |  |  |  |  |  |
| Unit Designation    |  |  |  |  |  |  |
| Model No.           |  |  |  |  |  |  |
| Total Cooling       |  |  |  |  |  |  |
| Sensible Cooling    |  |  |  |  |  |  |
| Air Ent. Evaporator |  |  |  |  |  |  |
| Air Lvg. Evaporator |  |  |  |  |  |  |
| Heating Input       |  |  |  |  |  |  |
| Heating Output      |  |  |  |  |  |  |
| CFM/ESP             |  |  |  |  |  |  |
| EER/SEER            |  |  |  |  |  |  |
| Electrical          |  |  |  |  |  |  |
| Minimum Ampacity    |  |  |  |  |  |  |
| Min.-Max. Breaker   |  |  |  |  |  |  |
| Net Unit Weight     |  |  |  |  |  |  |
| Accessory           |  |  |  |  |  |  |
| Catalog Form Number |  |  |  |  |  |  |

**ACCESSORIES:**

**NOTES:**

# Vantix™ Line SP14AZ iM Heat Pumps

## Cooling Efficiencies up to: 14.3 SEER2/10.4 EER2

## Heating Efficiencies up to: 7.6 HSPF2

## Nominal Sizes: 1.5 to 5 Ton [5.3 to 17.6 kW]

JOB NAME \_\_\_\_\_ LOCATION \_\_\_\_\_

CONTRACTOR \_\_\_\_\_ ORDER NO. \_\_\_\_\_

ENGINEER \_\_\_\_\_ UNIT MODEL NO. \_\_\_\_\_

SUBMITTED FOR ☐ APPROVAL ☐ RECORD COIL MODEL NO. \_\_\_\_\_

DATE \_\_\_\_\_ AIR HANDLER MODEL NO. \_\_\_\_\_

### UNIT DATA

#### COOLING PERFORMANCE

EFFICIENCY ..... SEER

TOTAL CAPACITY\* ..... MBH [kW]

SENSIBLE CAPACITY\* ..... MBH [kW]

OUTDOOR DESIGN TEMP. .... °F [°C] DB

TEMP. OF AIR ENTERING  
EVAPORATOR COIL ..... °F [°C] DB

..... °F [°C] WB

POWER INPUT REQUIREMENT ..... kW  
(\*uses blower motor heat)

#### HEATING PERFORMANCE

EFFICIENCY ..... HSPF

TOTAL CAPACITY\* ..... MBH [kW]

OUTDOOR DESIGN TEMP. .... °F [°C] DB

TEMP. OF AIR ENTERING  
EVAPORATOR COIL ..... °F [°C] DB

#### SUPPLY AIR BLOWER PERFORMANCE

TOTAL AIR SUPPLY ..... CFM [L/s]

TOTAL RESISTANCE EXTERNAL  
TO UNIT ..... IWG

BLOWER SPEED ..... RPM

POWER OUTPUT REQUIREMENT ..... BHP

MOTOR RATING ..... HP [W]

POWER INPUT REQUIREMENT ..... kW

#### ELECTRICAL DATA

POWER SUPPLY ..... Hz

TOTAL UNIT AMPACITY ..... AMPS

MINIMUM WIRE SIZE ..... AWG

MAXIMUM OVERCURRENT DEVICE  
FUSES/HACR BREAKER ..... AMPS

#### CLEARANCES

ACCESS SIDE ..... 24" [609.6 mm]

AIR INLETS ..... 12" [304.8 mm]

ABOVE UNIT ..... 60" [1524 mm]

### FEATURES

- **Swept Wing Fan Technology<sup>1</sup>:** Features quieter operation and improved unit acoustics
- **Two-Stage Scroll Compressor<sup>2</sup>:** Features two speeds (high and low) of cooling and heating, providing more precise temperature control, lower humidity and greater efficiency when compared to single stage compressors
- **Inverted Reversing Valve:** Allows for faster heat transfer with gravity assist shifting and reduced joint stress for increased 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
- **Triple Service Access:** 15 in. wide, industry leading access makes repairs easier and faster

### ACCESSORIES/OPTIONS

Compressor Crankcase Heater ..... ☐

Low Ambient Control ..... ☐

Compressor Sound Cover ..... ☐

Compressor Hard Start Kit ..... ☐

Low Pressure Control ..... ☐

High Pressure Control ..... ☐

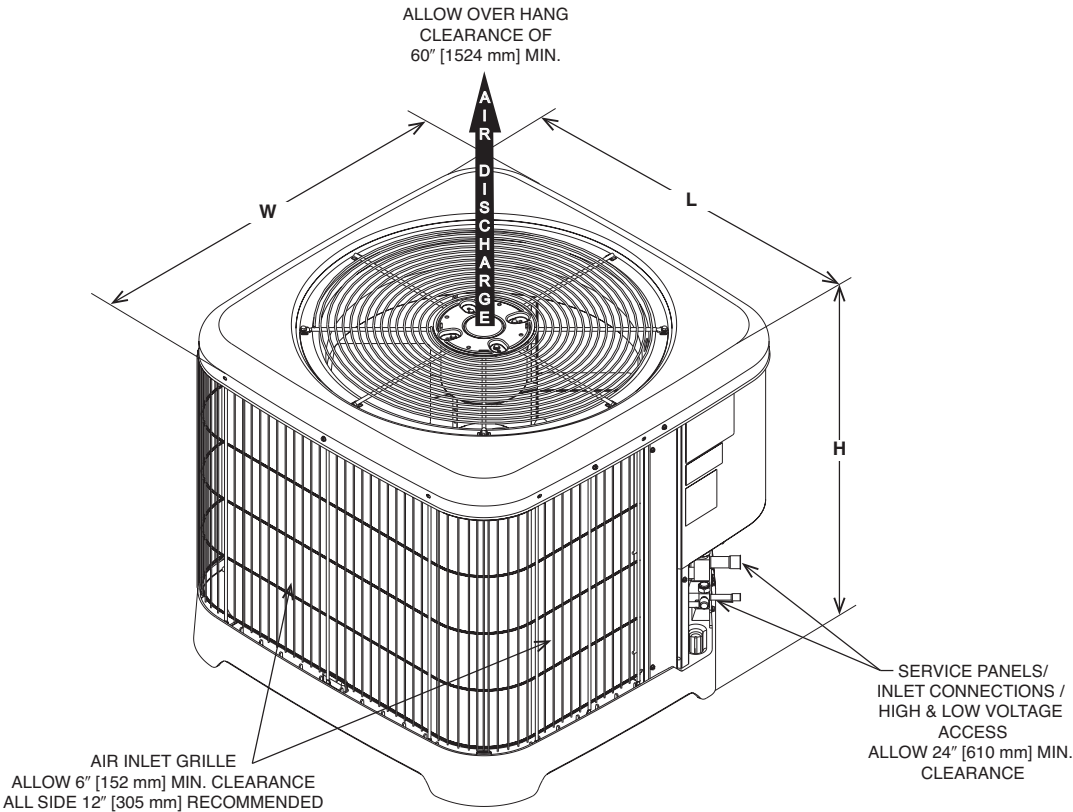
Liquid Line Solenoid (24 VAC, 50/60 Hz) ..... ☐

Liquid Line Solenoid (120/240 VAC, 50/60 Hz) ..... ☐

<sup>1</sup>Does not apply to the 3.5 and 4 Ton

<sup>2</sup>Does not apply to the 1.5 Ton 1-stage model





[ ] Designates Metric Conversions

ST-A1226-24-00

Unit Dimensions

| MODEL NO.   | OPERATING  |      |            |     |           |     | SHIPPING   |      |            |      |           |      |
|-------------|------------|------|------------|-----|-----------|-----|------------|------|------------|------|-----------|------|
|             | H (Height) |      | L (Length) |     | W (Width) |     | H (Height) |      | L (Length) |      | W (Width) |      |
|             | INCHES     | mm   | INCHES     | mm  | INCHES    | mm  | INCHES     | mm   | INCHES     | mm   | INCHES    | mm   |
| SP14AZ18**1 | 25.00      | 635  | 29.75      | 756 | 29.75     | 756 | 27.90      | 709  | 33.25      | 845  | 33.25     | 845  |
| SP14AZ18**2 | 25.00      | 635  | 29.75      | 756 | 29.75     | 756 | 27.90      | 709  | 33.25      | 845  | 33.25     | 845  |
| SP14AZ24    | 25.00      | 635  | 29.75      | 756 | 29.75     | 756 | 27.90      | 709  | 33.25      | 845  | 33.25     | 845  |
| SP14AZ30    | 27.00      | 686  | 33.75      | 857 | 33.75     | 857 | 30.08      | 764  | 37.64      | 956  | 37.64     | 956  |
| SP14AZ36    | 35.00      | 889  | 33.75      | 857 | 33.75     | 857 | 38.35      | 974  | 37.64      | 956  | 37.64     | 956  |
| SP14AZ42    | 35.00      | 889  | 33.75      | 857 | 33.75     | 857 | 38.35      | 974  | 37.64      | 956  | 37.64     | 956  |
| SP14AZ48    | 35.00      | 889  | 33.75      | 857 | 33.75     | 857 | 38.35      | 974  | 37.64      | 956  | 37.64     | 956  |
| SP14AZ60    | 45.00      | 1143 | 35.75      | 908 | 35.75     | 908 | 48.50      | 1232 | 39.37      | 1000 | 39.37     | 1000 |

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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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