



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 SP15AZ iM Heat Pumps

Cooling Efficiencies up to: 16 SEER2/11.7 EER2

Heating Efficiencies up to: 8.1 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

- **Two-Stage Scroll Compressor:** 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
- **7 mm Condenser Copper Coil¹:** Requires less refrigerant allowing for a smaller and lighter footprint while enhancing reliability
- **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 (120/40 VAC, 50/60 Hz) ☐

¹Does not apply to the 5 ton model

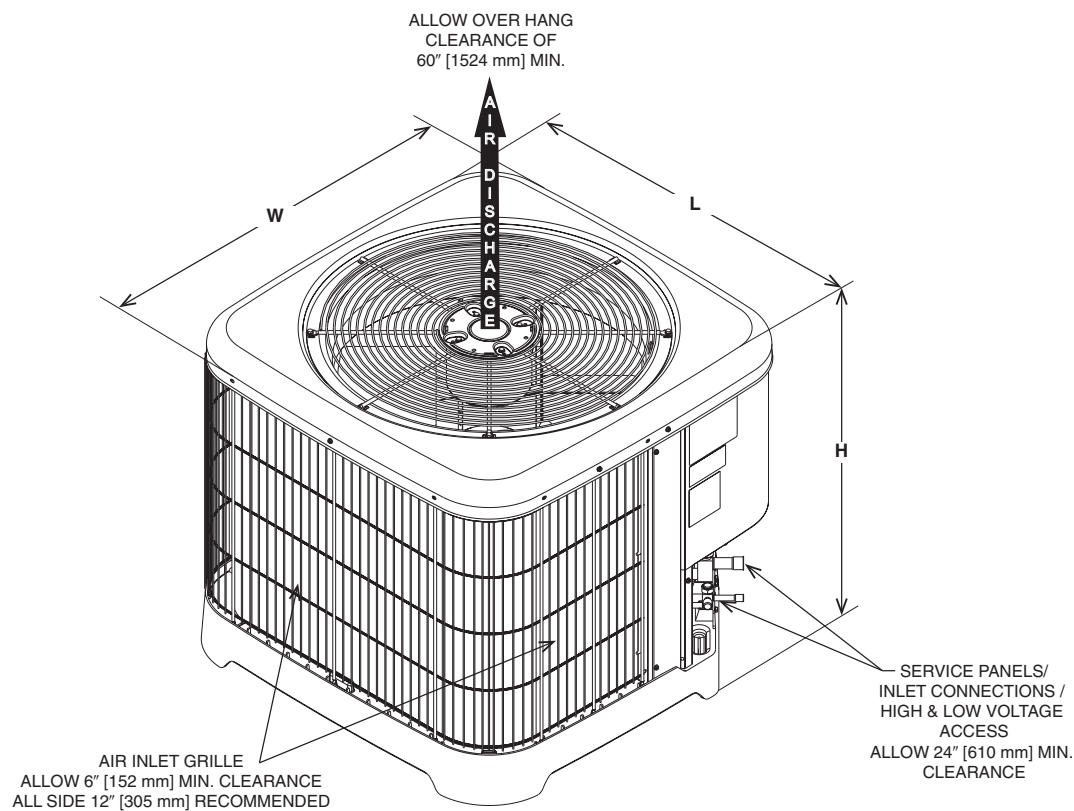


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**Proper sizing and installation of equipment is critical to achieve optimal performance. Split system air conditioners and heat pumps must be matched with appropriate coil components to meet Energy Star. Ask your Contractor for details or visit www.energystar.gov.*

SP15AZ



ST-A1226-24-00

[] Designates Metric Conversions

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
SP15AZ18AJ2NA	25.00	635.00	29.75	755.65	29.75	755.65	27.90	708.66	33.25	844.55	33.25	844.55
SP15AZ24AJ2NA	25.00	635.00	29.75	755.65	29.75	755.65	27.90	708.66	33.25	844.55	33.25	844.55
SP15AZ30AJ2NA	35.00	889.00	33.75	857.25	33.75	857.25	38.35	974.09	37.64	956.06	37.64	956.06
SP15AZ36AJ2NA	39.00	990.60	33.75	857.25	33.75	857.25	42.35	1075.69	37.64	956.06	37.64	956.06
SP15AZ42AJ2NA	39.00	990.60	33.75	857.25	33.75	857.25	42.35	1075.69	37.64	956.06	37.64	956.06
SP15AZ48AJ2NA	39.00	990.60	33.75	857.25	33.75	857.25	42.35	1075.69	37.64	956.06	37.64	956.06
SP15AZ60AJ2NA	51.00	1295.40	35.75	908.05	35.75	908.05	54.50	1384.30	39.37	1000.00	39.37	1000.00

[] Designates Metric Conversions

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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