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:

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Vantix™ Line SP15AY 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 Tons [5.3 to 17.6 kW]
Cooling & Heating Capacities: 17.1 kBTU to 57 kBTU [5.0 to 16.7 kW]
Refrigerant Type: R-454B

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
- **7mm Condenser Copper Coil:** 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 faster and easier
- **Refrigerant Detection System[1]:** An integrated one-box, patented design featuring the A2L sensor and mitigation board, offering easier commissioning with a single component and simplified wiring configuration, compatibility with the any 24V thermostat application and system protection by automatically pausing outdoor unit operation – if excess refrigerant is detected
- **Designing for Sustainability with Low GWP:** For 2025, the Environmental Protection Agency (EPA) has set a global warming potential (GWP) limit of 700 for refrigerant used in heating and cooling systems. This new requirement will result in a 78%[2] lower GWP than previous-generation refrigerants — with only minimal changes to system installation. For us, this is another step toward our continued sustainability goal of reducing greenhouse gas emissions, while still delivering an exceptional level of energy efficient, dependable comfort

ACCESSORIES/OPTIONS

Compressor Crankcase Heater..... ☐

Low Ambient Control Model No. RXAD-A08 ..... ☐

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) ..... ☐

[1]Factory or field installed in the furnace coil or air handler and is applicable to the complete heating and cooling system featuring Low GWP Refrigerant (A2L)

[2]When comparing the GWP of R-454B to R-410A refrigerant

9001:2015

LISTED

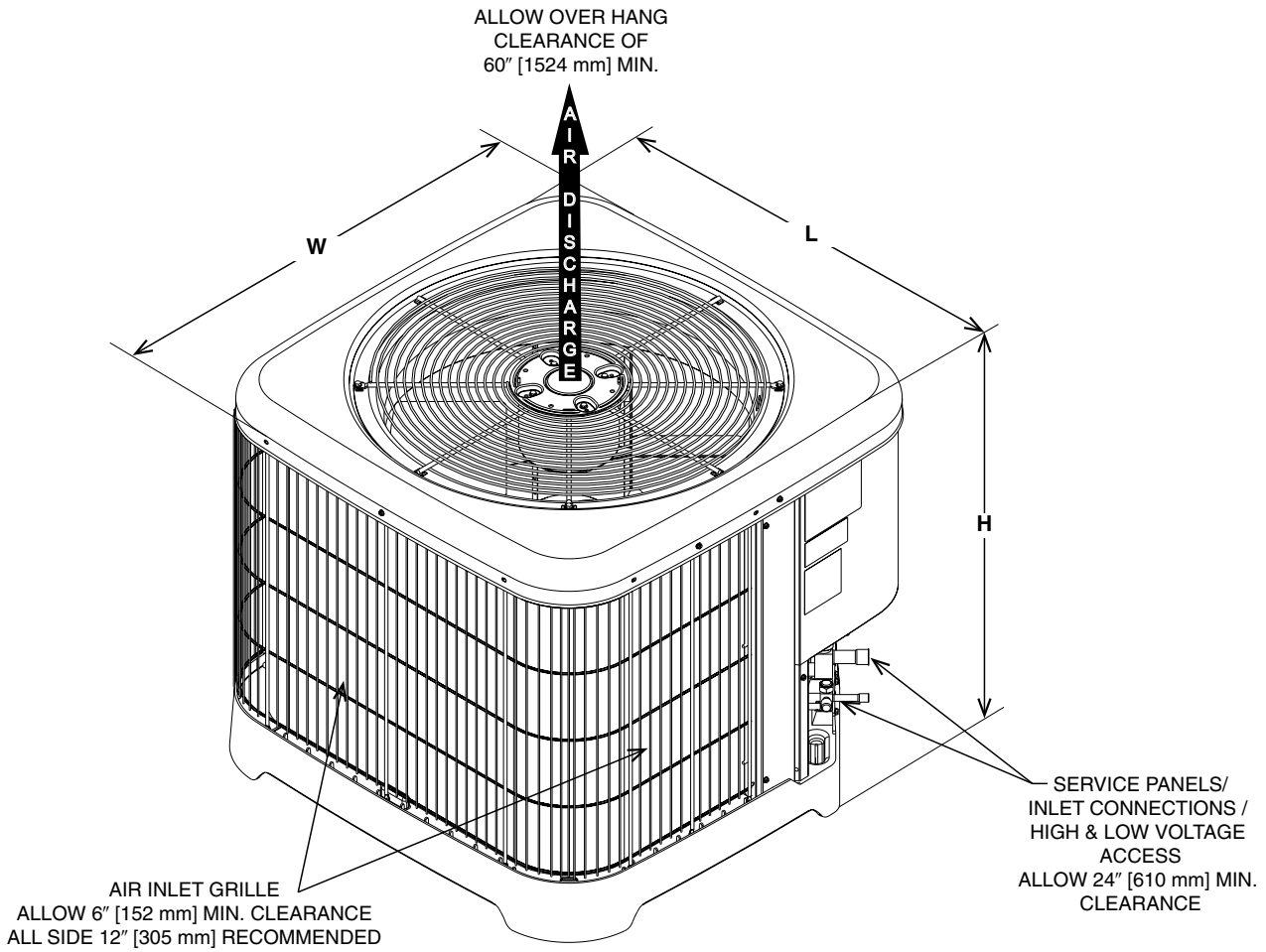
ENERGY STAR

AHRI CERTIFIED

LOW GWP Refrigerant

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.

SP15AY



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
SP15AY18A	25.00	635	29.75	756	29.75	756	27.90	709	33.25	845	33.25	845
SP15AY24A	25.00	635	29.75	756	29.75	756	27.90	709	33.25	845	33.25	845
SP15AY30A	35.00	889	33.75	857	33.75	857	38.35	974	37.64	956	37.64	956
SP15AY36A	39.00	991	35.75	908	35.75	908	40.50	1029	38.38	975	38.38	975
SP15AY42A	39.00	991	35.75	908	35.75	908	40.50	1029	38.38	975	38.38	975
SP15AY48A	39.00	991	35.75	908	35.75	908	40.50	1029	38.38	975	38.38	975
SP15AY60A	39.00	991	35.75	908	35.75	908	40.50	1029	38.38	975	38.38	975

[ ] 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.

5600 Old Greenwood Road
Fort Smith, Arkansas 72908

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