

PROJECT NAME		
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		
MinMax. Breaker		
Net Unit Weight		
Accessory		
Catalog Form Number		
ACCESSORIES:	NOTES:	

Vantix [™] Line RD1 Cooling Efficienci Heating Efficienci Nominal Sizes: 2 t Cooling & Heating Refrigerant Type:	es up to: 17 ies up to: 8.5 to 5 Tons [7.0 g Capacities:	SEER2 / 10 6 HSPF2) to 17.6 kV	0.5 EER2 V]	to 16.3 kW]					
JOB NAME			LOCATION						
CONTRACTOR			ORDER NO.						
ENGINEER			UNIT MODEL NO						
SUBMITTED FOR			COIL MODEL NO						
DATE									
UNIT DAT COOLING PERFOI		wide-is ideal	Solution: The RD16AY—w for when installation locat	ions are constrained; but	is also perfect for				
EFFICIENCY TOTAL CAPACITY* SENSIBLE CAPACITY*	MBH [kW]	 or replacement option where an efficient, streamlined look is desired Quiet Operation as low as 50dBA1: Offers sound dampening features such as a sound blanket, refrigerant tubing design, fan blade approach and innovative compressor and drive technologies—ensure that as efficiency goes up, sound levels stay low 							
OUTDOOR DESIGN TEMP		EcoNet [®] Ena	EcoNet® Enabled ² : Automatic system configuration and optimization						
TEMP. OF AIR ENTERING EVAPORATOR COIL	°F [°C] DB °F [°C] WB		& Bluetooth^{®3, 4} Connect akes advanced set-up, mo er before						
POWER INPUT REQUIREMENT ("uses blower motor heat)		Variable Speed Twin Rotary Compressor & Inverter Drive:							
	RMANCE	Thermostat	ariable speed operation fro t or with legacy and other t e algorithm ⁵						
EFFICIENCY	HSPF	 Provides pr 	recise temperature control	, advanced humidity cont	rol and greater e	fficiency			
TOTAL CAPACITY*	MBH [kW]	Brushless DC serviceability	C Condenser Motors (BL	DC): Enhances reliability a	and allows for ea	asier			
OUTDOOR DESIGN TEMP	°F [°C] DB	Swept Wing I	Fan Technology: Features	quieter operation and im	proved unit aco	ustics			
TEMP. OF AIR ENTERING EVAPORATOR COIL	°F [°C] DB		 7mm Condenser Copper Coil: Requires less refrigerant allowing for a smaller and lighter footprint while enhancing reliability 						
SUPPLY AIR BLOWER P	ERFORMANCE		e Pan Heater: Utilizes a b iild-up on the base pan du			operation to			
TOTAL AIR SUPPLY	CFM [L/s]		efrigerant Piping: Allows nt installation flexibility	for use of existing refrige	rant line sets for	further ease			
TOTAL RESISTANCE EXTERNAL TO UNIT			ditional Parts Warranty (ly or as part of a system—						
BLOWER SPEED	RPM								
POWER OUTPUT REQUIREMEN	IT BHP	 Refrigerant Detection System⁶: 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 							
MOTOR RATING									
POWER INPUT REQUIREMENT	kW	uotootou							
ELECTRICAL I	DATA								
POWER SUPPLY	Hz					LOW			
TOTAL UNIT AMPACITY	AMPS	energy		www.shraferetury.org Unitary Small HP AHH Standard 2012/00 Ordening support on the time in complete summ		GWP			
MINIMUM WIRE SIZE	AWG	ENERGY STAR	· 9001:2015	c,	Intertek				
MAXIMUM OVERCURRENT DEV FUSES/HACR BREAKER	AMPS			This product music a stringent	sat of cor standards				
CLEARANC	ES	Dual Fuel		ANDON 100 UNIT OFFICIAL STRATEGY STRATE		and Space			
ACCESS SIDE	24" [609.6 mm]								

AIR INLETS

ABOVE UNIT

12" [304.8 mm]

60" [1524 mm]

¹Proper 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.

FEATURES (Con't.)

ACCESSORIES/OPTIONS

٠	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% ⁷ 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

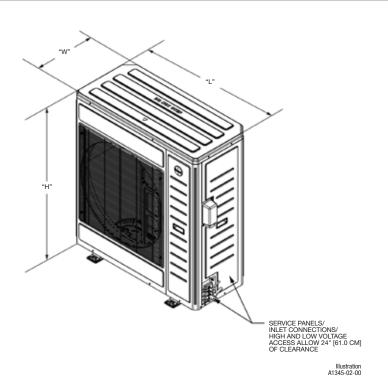
• Qualifies for Federal Incentives (conditions apply):

 Federal Tax Credit compliant system combinations may be available (effective through 12/31/32)—up to \$2000 for qualified heat pumps

Compressor Crankcase Heater
Base Pan Connector Kit (45-110492-01)8
Liquid Line Solenoid (24 VAC, 50/60 Hz)
Liquid Line Solenoid (120/240 VAC, 50/60 Hz)
Low Ambient Control
Compressor Sound Cover

¹Based on Internal R&D Testing, 2024 Sound levels are also dependent on proper installation and location of outdoor product. ²When installed as part of a complete AHRI-matched, Rheem EcoNet® Enabled system. ³The Bluetooth® word mark and logos are registered trademarks owned by Bluetooth SIG, Inc. and any use of such marks by Rheem® is under license. Other trademarks and trade names are those of their respective owners. ⁴When installed as part of a complete Rheem system where both the outdoor & indoor components feature Bluetooth® Technology. ⁵Two-Stage (70% &100% capacity) operation when installed with legacy and other thermostats when the utility 1 & 2 jumpers are not installed. The 2-Ton model features a single rotary compressor. ⁶Factory 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). ⁷When comparing the GWP of R-454B to R-410A refrigerant. ⁸Required for heating element commissioning.

RD16AY



Unit Dimensions

MODEL NO.	OPERATING					SHIPPING						
	H (Height)		L (Length)		W (Width)		H (Height)		L (Length)		W (Width)	
	INCHES	cm	INCHES	cm	INCHES	cm	INCHES	cm	INCHES	cm	INCHES	cm
RD16AY24AJVCA	31.8	80.4	40.4	102.6	19.8	50.3	38.00	96.4	48.43	123.0	22.05	56.0
RD16AY36AJVCA	31.8	80.4	40.4	102.6	19.8	50.3	38.00	96.4	48.43	123.0	22.05	56.0
RD16AY48AJVCA	36.6	93.0	40.4	102.6	19.8	50.3	43.31	110.0	48.43	123.0	22.05	56.0
RD16AY60AJVCA	46.4	117.8	42.3	107.4	22.8	57.8	53.94	137.0	50.00	127.0	25.00	63.5

[] 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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