



Ruud Achiever® Series Air Conditioners



RA16 Series

Efficiencies up to 16 SEER/13 EER
Nominal Sizes 1 1/2 to 5 Ton [5.28 to 17.6 kW]
Cooling Capacities 17.3 to 60.5 kBTU
[5.7 to 17.7 kW]



“Proper sizing and installation of equipment is critical to achieve optimal performance. Ask your Contractor for details or visit www.energystar.gov.”

- New composite base pan – dampens sound, captures louver panels, eliminates corrosion and reduces number of fasteners needed
- Powder coat paint system – for a long lasting professional finish
- Scroll compressor – uses 70% fewer moving parts for higher efficiency and increased reliability
- Modern cabinet aesthetics – increased curb appeal with visually appealing design
- Curved louver panels – provide ultimate coil protection, enhance cabinet strength, and increased cabinet rigidity
- Optimized fan orifice – optimizes airflow and reduces unit sound
- Rust resistant screws – confirmed through 1500-hour salt spray testing
- PlusOne™ **Expanded Valve Space** – 3"-4"-5" service valve space – provides a minimum working area of 27-square inches for easier access
- PlusOne™ **Triple Service Access** – 15" wide, industry leading corner service access – makes repairs easier and faster. The two fastener removable corner allows optimal access to internal unit components. Individual louver panels come out once fastener is removed, for faster coil cleaning and easier cabinet reassembly
- Diagnostic service window with two-fastener opening – provides access to the high and low pressure.
- External gauge port access – allows easy connection of “low-loss” gauge ports
- Single-row condenser coil – makes unit lighter and allows thorough coil cleaning to maintain “out of the box” performance
- 35% fewer cabinet fasteners and fastener-free base – allow for faster access to internal components and hassle-free panel removal
- Service trays – hold fasteners or caps during service calls
- QR code – provides technical information on demand for faster service calls
- Fan motor harness with extra long wires allows unit top to be removed without disconnecting fan wire.

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Standard Feature Table

Feature	STANDARD FEATURES						
	18	24	30	36	42	48	60
R-410a Refrigerant	√	√	√	√	√	√	√
Maximum SEER	16	16	16	16	16	16	16
Maximum EER	13	13	13	13	13	13	13
Scroll Compressor	√	√	√	√	√	√	√
Field Installed Filter Drier	√	√	√	√	√	√	√
Front Seating Service Valves	√	√	√	√	√	√	√
Internal Pressure Relief Valve	√	√	√	√	√	√	√
Internal Thermal Overload	√	√	√	√	√	√	√
Long Line capability	√	√	√	√	√	√	√
Low Ambient capability with Kit	√	√	√	√	√	√	√
3-4-5 Expanded Valve Space	√	√	√	√	√	√	√
Composite Basepan	√	√	√	√	√	√	√
2 Screw Control Box Access	√	√	√	√	√	√	√
15" Access to Internal Components	√	√	√	√	√	√	√
Quick release louver panel design	√	√	√	√	√	√	√
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	√	√	√	√	√	√	√

√ = Standard

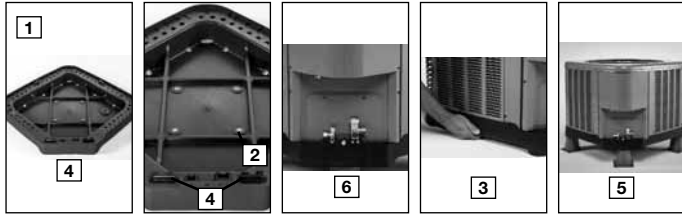
Available SKUs

Available Models	Description
RA1618AJ1NA	Achiever® Series 1 1/2 ton 16 SEER Single-Stage Air Conditioner-208/230/1/60
RA1624AJ1NA	Achiever® Series 2 ton 16 SEER Single-Stage Air Conditioner-208/230/1/60
RA1630AJ1NA	Achiever® Series 2 1/2 ton 16 SEER Single-Stage Air Conditioner-208/230/1/60
RA1636AJ1NA	Achiever® Series 3 ton 16 SEER Single-Stage Air Conditioner-208/230/1/60
RA1642AJ1NA	Achiever® Series 3 1/2 ton 16 SEER Single-Stage Air Conditioner-208/230/1/60
RA1648AJ1NA	Achiever® Series 4 ton 16 SEER Single-Stage Air Conditioner-208/230/1/60
RA1660AJ1NA	Achiever® Series 5 ton 16 SEER Single-Stage Air Conditioner-208/230/1/60
RA1618AJ1NB	Achiever® Series 1 1/2 ton 16 SEER Single-Stage Air Conditioner w/ High/Low Pressure-208/230/1/60
RA1624AJ1NB	Achiever® Series 2 ton 16 SEER Single-Stage Air Conditioner w/ High/Low Pressure-208/230/1/60
RA1630AJ1NB	Achiever® Series 2 1/2 ton 16 SEER Single-Stage Air Conditioner w/ High/Low Pressure-208/230/1/60
RA1636AJ1NB	Achiever® Series 3 ton 16 SEER Single-Stage Air Conditioner w/ High/Low Pressure-208/230/1/60
RA1642AJ1NB	Achiever® Series 3 1/2 ton 16 SEER Single-Stage Air Conditioner w/ High/Low Pressure-208/230/1/60
RA1648AJ1NB	Achiever® Series 4 ton 16 SEER Single-Stage Air Conditioner w/ High/Low Pressure-208/230/1/60
RA1660AJ1NB	Achiever® Series 5 ton 16 SEER Single-Stage Air Conditioner w/ High/Low Pressure-208/230/1/60
RA1636AC1NB	Achiever® Series 3 ton 16 SEER Single-Stage Air Conditioner w/ High/Low Pressure-208/230/3/60
RA1642AC1NB	Achiever® Series 3 1/2 ton 16 SEER Single-Stage Air Conditioner w/ High/Low Pressure-208/230/3/60
RA1648AC1NB	Achiever® Series 4 ton 16 SEER Single-Stage Air Conditioner w/ High/Low Pressure-208/230/3/60
RA1660AC1NB	Achiever® Series 5 ton 16 SEER Single-Stage Air Conditioner w/ High/Low Pressure-208/230/3/60

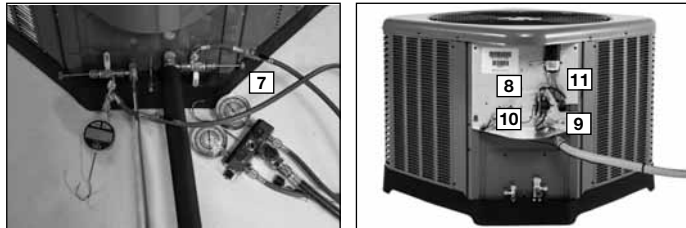
Introduction to RA16 Air Conditioner

The RA16 is our 16 SEER air conditioner and is part of the Ruud air conditioner product line that extends from 13 to 20 SEER. This highly featured and reliable air conditioner is designed for years of reliable, efficient operation when matched with Ruud indoor aluminum evaporator coils and furnaces or air handler units with aluminum evaporators.

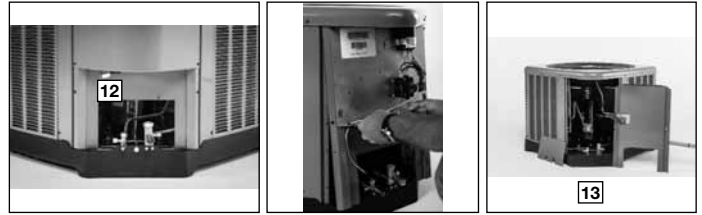
Our unique composite base (1) reduces sound emission, eliminates rattles, significantly reduces fasteners, eliminates corrosion and has integrated brass compressor attachment inserts (2). Furthermore it has incorporated into the design, water management features, means for hand placement (3) for unit maneuvering, screw trays (4) and inserts for lifting off unit pad. (5)



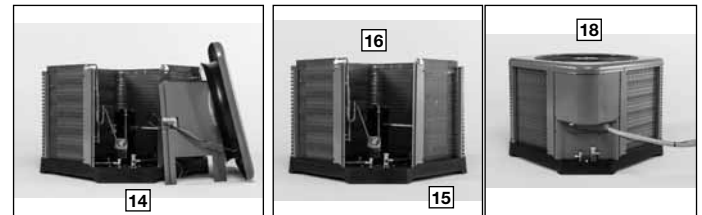
Service Valves (6) are rigidly mounted in the composite base with 3" between suction and discharge valves, 4" clearance below service valves and a minimum of 5" above the service valves, creating industry leading installation ease. The minimum 27 square-inches around the service valves allows ample room to remove service valve schrader prior to brazing, plenty of clearance for easy brazing of the suction and discharge lines to service valve outlets, easy access and hookup of low loss refrigerant gauges (7), and access to the service valve caps for opening. For applications with long-line lengths up to 250 feet total equivalent length, up to 200 feet condenser above evaporator, or up to 80 feet evaporator above condenser, the long-line instructions in the installation manual should be followed.



Controls are accessed from the corner of the unit by removing only two fasteners from the control access cover, revealing the industry's largest 15" wide and 14" tall control area (8). With all this room in the control area the high voltage electrical whip (9) can easily be inserted through the right size opening in the bottom of the control area. Routing it leads directly to contractor lugs for connection. The low voltage control wires (10) are easily connected to units low voltage wiring. If contactor or capacitor (11) needs to be replaced there is more than adequate space to make the repair. Furthermore, if high pressure and low pressure model was not purchased but is desired to be installed in the field, the service window (12) can be removed by removing two screws, to access the high and low side schrader fittings for easy field installation. The entire corner can be removed providing ultimate access to install the high and low pressure switch. (13)



If in the rare event, greater access is needed to internal components, such as the compressor, the entire corner of the unit can be removed along with the top cover assembly to have unprecedented access to interior of the unit (14). Extra wire length is incorporated into each outdoor fan and compressor so top cover and control panel can be positioned next to the unit. With minimal effort the plug can be removed from the compressor and the outdoor fan wires can be removed from the capacitor to allow even more uncluttered access to the interior of the unit (15). Outdoor coil heights range from as short as 27" to 48", aiding access to the compressor. Disassembly to this degree and complete reassembly only takes a first time service technician less than 10 minutes. (15)



All units utilize strong formed louver panels which provide industry leading coil protection. Louver removal for coil cleaning is accomplished by removing one screw and lifting the panel out of the composite base pan. (17) All RA16 units utilize single row coils (18) making cleaning easy and complete, restoring the performance of the air conditioner back to out of the box performance levels year after year.



The outdoor fan motor has sleeve bearings and is inherently protected. The motor is totally enclosed for maximum protection from weather, dust and corrosion. Access to the outdoor fan is made by removing four fasteners from the fan grille. The outdoor fan can be removed from the fan grille by removing 4 fasteners in the rare case outdoor fan motor fails.

Each cabinet has optimized composite (19) fan orifice assuring efficient and quiet airflow.



The entire cabinet has powder post paint (20) achieving 1000 hour salt spray rating, allowing the cabinet to retain its aesthetics throughout its life.



Scroll compressors with standard internal pressure relief and internal thermal overload are used on all capacities assuring longevity of high efficient and quiet operation for the life of the product.

Each unit is shipped with filter drier for field installation and will trap any moisture or dirt that could contaminate the refrigerant system.



All cabinets have industry leading structural strength due to the composite base pan (21), interlocking corner post (22), formed curved louver panels (23) and drawn top cover (24) making it the most durable cabinet on the market today.

Each RA16 capacity has undergone rigorous psychometric testing to assure performance ratings of capacity, SEER and EER per AHRI Standard 210/240 rating conditions. Also each unit bears the UL mark and each unit is certified to UL 1995 safety standards.



Each unit has undergone specific strain and modal testing to assure tubing (25) is outside the units natural frequency and that the suction and discharge lines connected to the compressor withstand any starting, steady state operation or shut down forces imposed by the compressor.

All units have been sound tested in sound chamber to AHRI 270 rating conditions, and A-weighted Sound Power Level tables produced, assuring units have acceptable noise qualities (see page 8). Each unit has been ran in cooling operation at 95°F and 82°F and sound ratings for the RA16 range from as low as TBD dBA to TBD dBA.

All units have been ship tested to assure units meet stringent “over the road” shipping conditions.

As manufactured all units in the RA16 family have cooling capability to 55 °F. Addition of low ambient control will allow the unit to operate down to 0°F. Factory testing is performed on each unit. All component parts meet well defined specification and continually go through receiving inspections. Each component installed on a unit is scanned, assuring correct component utilization for a given unit capacity and voltage. All condenser coils are leak tested with pressurization test to 550#’s and once installed and assembled, each units’ complete refrigerant system is helium leak tested. All units are fully charged from the factory for up to 15 feet of piping. All units are factory run tested. The RA16 has a 10-year conditional compressor and parts warranty (registration required).

Optional Accessories

(Refer to accessory chart for model #)

Compressor Crankcase Heater

Protects against refrigerant migration that can occur during low ambient operation

Compressor Sound Cover

- Reinforced vinyl compressor cover containing a 1½ inch thick batt of fiberglass insulation
- Open edges are sealed with a one-inch wide hook and loop fastening tape

Compressor Hard Start Kit

- Single-phase units are equipped with a PSC compressor motor, this type of motor normally does not need a potential relay and start capacitor
- Kit may be required to increase the compressor starting torque, in conditions such as low voltage

Low Ambient Kit

- Air conditioners operate satisfactorily in the cooling mode down to 55°F outdoor air temperature without any additional controls
- This Kit can be added in the field enabling unit to operate properly down to 0° in the cooling mode
- Crankcase heater and freeze-stat should be installed on compressors equipped with a low ambient kit

3"/6"/12"

- Gray high density polyethylene feet are available to raise unit off of mounting surface away from moisture

Low Pressure

- Can be added in field enabling the unit to shut off compressor on loss of charge

NOTE: Unit can be purchased with high and low pressure installed at factory. (Refer to SKU list)

High Pressure

- Can be added in field enabling unit to shut off compressor if unit loses outdoor fan operation.

NOTE: Unit can be purchased with high and low pressure installed at factory. (Refer to SKU list)

Decorative Top

- Can be installed on fan grille

Air Conditioners

<u>R</u>	<u>A</u>	<u>16</u>	<u>24</u>	<u>A</u>	<u>J</u>	<u>1</u>	<u>N</u>	<u>A</u>	<u>*</u>
Brand	Product Category	SEER	Capacity BTU/HR	Major Series*	Voltage	Type	Controls	Minor Series**	Option Code
Ruud	A - Air Conditioners	13 - 13 SEER 14 - 14 SEER 16 - 16 SEER 17 - 17 SEER 20 - 20 SEER	18 - 18,000 [5.28 kW] 24 - 24,000 [7.03 kW] 30 - 30,000 [8.79 kW] 36 - 36,000 [10.55 kW] 42 - 42,000 [12.31 kW] 48 - 48,000 [14.07 kW] 60 - 60,000 [17.58 kW]	A - 1st Design	J - 1ph, 208-230/60 C - 3ph, 208-230/60	1 - Single-stage 2 - Two-stage V - Inverter	C - Communicating N - Non-Communicating	A - 1st Design	N/A

Heat Pumps (For Reference)

<u>R</u>	<u>P</u>	<u>14</u>	<u>24</u>	<u>A</u>	<u>J</u>	<u>1</u>	<u>N</u>	<u>A</u>	<u>*</u>
Brand	Product Category	SEER	Capacity BTU/HR	Major Series*	Voltage	Type	Controls	Minor Series**	Option Code
Ruud	P - Heat Pump	13 - 13 SEER 14 - 14 SEER 15 - 15 SEER 17 - 17 SEER 20 - 20 SEER	18 - 18,000 [5.28 kW] 24 - 24,000 [7.03 kW] 30 - 30,000 [8.79 kW] 36 - 36,000 [10.55 kW] 42 - 42,000 [12.31 kW] 48 - 48,000 [14.07 kW] 60 - 60,000 [17.58 kW]	A - 1st Design	J - 1ph, 208-230/60 C - 3ph, 208-230/60 D - 3ph, 460/60	1 - Single-stage 2 - Two-stage V - Inverter P - Piston	C - Communicating N - Non-Communicating	A - 1st Design	N/A

Furnace Coils (For Reference)

<u>R</u>	<u>C</u>	<u>F</u>	<u>24</u>	<u>17</u>	<u>S</u>	<u>I</u>	<u>A</u>	<u>M</u>	<u>C</u>	<u>A</u>	<u>*</u>
Brand	Product Category	Type	Capacity BTU/HR	Width	Efficiency	Metering Device	Major Series*	Orientation	Casing	Minor Series**	Option Code
Ruud	C - Evap Coil	F - Furn Coil H - Air-Handler Coil	24 - 24,000 [7.03 kW] 36 - 36,000 [10.55 kW] 48 - 48,000 [14.07 kW] 60 - 60,000 [17.58 kW]	14 - 14" 17 - 17.5" 21 - 21" 24 - 24.5"	S - Standard Eff. M - Mid Eff. H - High Eff.	T-TXV E-EEV P-Piston	A - 1st Design	M - Multipoise V - Vertical only/ convertible H - Ded. Horizontal only	C - Cased U - Uncased	A - 1st Design	N/A

[] Designates Metric Conversions

90%+ AFUE Gas Furnaces (For Reference)

<u>R</u>	<u>96</u>	<u>V</u>	<u>A</u>	<u>70</u>	<u>2</u>	<u>3</u>	<u>17</u>	<u>M</u>	<u>S</u>	<u>A</u>
Brand	Series	Motor	Major Rev	Input BTU/HR	Stages	Air Flow	Cabinet Width	Configuration	Nox	Minor Rev
Ruud	90 - 90 AFUE	V - Variable speed	A - 1st Design	040 - 42,000 [12.31 kW]	1 - Single-stage	3 - up to 3 ton	14 - 14"	M - Multi	X - Low Nox	A - 1st Design
	92 - 92 AFUE	T - Constant Torque (X-13)		060 - 56,000 [16.41 kW]	2 - Two-stage	5 - 3 1/2 up to 5 ton	17 - 17.5"		S - Standard	
	95 - 95 AFUE			070 - 70,000 [20.51 kW]	M - Modulating		21 - 21"			
	96 - 96 AFUE			085 - 84,000 [24.62 kW]			24 - 24.5"			
	97 - 97 AFUE	P - PSC		100 - 98,000 [28.72 kW]						
				115 - 112,000 [32.82 kW]						

80% AFUE Gas Furnaces (For Reference)

<u>R</u>	<u>80</u>	<u>2</u>	<u>V</u>	<u>075</u>	<u>3</u>	<u>17</u>	<u>M</u>	<u>S</u>	<u>A</u>	
Brand	Series	Stages	Motor	Major Rev	Input BTU/HR	Air Flow	Cabinet Width	Configuration	Nox	Minor Rev
Ruud	80 - 80+ AFUE	1 - Single-stage	V - Variable speed	A - 1st Design	050 - 50,000 [15 kW]	3 - up to 3 ton	14 - 14"	M - Multi	X - Low Nox	A - 1st Design
		2 - Two-stage	T - Constant Torque (X-13)		075 - 75,000 [22 kW]	4 - 2 1/2 to 4 ton	17 - 17.5"	D - Down	S - Standard	
			P - PSC premium		100 - 100,000 [29 kW]	5 - 3 1/2 up to 5 ton	21 - 21"	Z - Down & zero clearance		
			S - PSC standard		125 - 125,000 [37 kW]		24 - 24.5"			
					150 - 150,000 [44 kW]					

Air Handlers (For Reference)

<u>R</u>	<u>H</u>	<u>1</u>	<u>I</u>	<u>36</u>	<u>17</u>	<u>S</u>	<u>T</u>	<u>A</u>	<u>N</u>	<u>A</u>	<u>000</u>	<u>*</u>	<u>-</u>
Brand	Product Category	Stages of Airflow	Motor Type	Capacity BTU/HR	Width	Coil Size	Metering Device	Major Series*	Controls	Voltage	Minor Series**	Factory Heat Cap	Option Code
Ruud	H - Air Handler	1 - Single-Stage	V - Variable Speed	24 - 24,000 [7.03 kW]	14 - 14"	S - Standard Eff.	T - TEV	A - 1st Design	C - Communicating	A - 1ph, 115/60	A - 1st Design	00 - no	*TBD
		2 - Two-Stage	T - Constant Torque	36 - 36,000 [10.55 kW]	17 - 17.5"	M - Mid Eff.	E - EEV		N - Non-comm	J - 1ph, 208-240/60		factory heat with option code	
		M - Modulating	P - PSC	48 - 48,000 [14.07 kW]	21 - 21"	H - High Eff.	P - Piston			D - 3ph, 480/60			
				60 - 60,000 [17.58 kW]	24 - 24.5"								

[] Designates Metric Conversions

Physical Data

PHYSICAL DATA							
Model No.	RA1618A	RA1624A	RA1630A	RA1636A	RA1642A	RA1648A	RA1660A
Nominal Tonnage	1.5	2.0	2.5	3.0	3.5	4.0	5.0
Valve Connections							
Liquid Line O.D. – in.	3/8	3/8	3/8	3/8	3/8	3/8	3/8
Suction Line O.D. – in.	3/4	3/4	3/4	3/4	7/8	7/8	7/8
Refrigerant (R410A) furnished oz. ¹	88	93	119	114	156	180	207
Compressor Type	Scroll						
Outdoor Coil							
Net face area – Outer Coil	12.1	14.8	16.2	18.8	24.2	28.3	32.3
Net face area – Inner Coil	—	—	—	—	—	—	—
Tube diameter – in.	3/8	3/8	3/8	3/8	3/8	3/8	3/8
Number of rows	1	1	1	1	1	1	1
Fins per inch	22	22	22	22	22	22	22
Outdoor Fan							
Diameter – in.	20	24	26	26	26	26	26
Number of blades	3	2	3	3	3	3	3
Motor hp	1/8	1/6	1/5	1/3	1/3	1/2	1/3
CFM	2404	2851	3914	4340	4450	4658	4776
RPM	1095	851	840	819	829	828	795
watts	155	147	102	131	193	198	239
Shipping weight – lbs.	147	149	159	177	212	232	247
Operating weight – lbs.	140	142	152	170	205	225	240

Electrical Data

Line Voltage Data (Volts-Phase-Hz)	208/230-1-60	208/230-1-60	208/230-1-60	208/230-1-60	208/230-1-60	208/230-1-60	208/230-1-60
Maximum overcurrent protection (amps) ²	20	20	30	35	40	40	50
Minimum circuit ampacity ³	12	14	18	23	25	27	34
Compressor							
Rated load amps	9	10.3	12.8	15.4	16.7	17	23.7
Locked rotor amps	47.5	61.6	67.3	83.9	109	123.9	152.5
Condenser Fan Motor							
Full load amps	0.7	0.6	1.4	2.8	3.5	3.5	3.5
Locked rotor amps	1.3	1.5	2.3	—	—	—	—
Line Voltage Data (Volts-Phase-Hz)	—	—	—	208/230-3-60	208/230-3-60	208/230-3-60	208/230-3-60
Maximum overcurrent protection (amps) ²	—	—	—	25	25	30	35
Minimum circuit ampacity ³	—	—	—	16	25	23	24
Compressor							
Rated load amps	—	—	—	10.4	11.2	13.6	15.9
Locked rotor amps	—	—	—	73	88	83.1	110
Condenser Fan Motor							
Full load amps	—	—	—	2.8	3.5	3.5	3.5
Locked rotor amps	—	—	—	—	—	—	—

¹Refrigerant 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.

²HACR type circuit breaker of fuse.

³Refer to National Electrical Code manual to determine wire, fuse and disconnect size requirements.

Accessories

Model No.	RA1618	RA1624	RA1630	RA1636	RA1642	RA1648	RA1660
Compressor crankcase heater*	44-17402-44	44-17402-44	44-17402-44	44-17402-44	44-17402-45	44-17402-45	44-17402-45
Low ambient control	RXAD-A08	RXAD-A08	RXAD-A08	RXAD-A08	RXAD-A08	RXAD-A08	RXAD-A08
Compressor sound cover	68-23427-26	68-23427-26	68-23427-26	68-23427-26	68-23427-25	68-23427-25	68-23427-25
Compressor hard start kit	SK-A1	SK-A1	SK-A1	SK-A1	SK-A1	SK-A1	SK-A1
Low pressure control	RXAC-A07	RXAC-A07	RXAC-A07	RXAC-A07	RXAC-A07	RXAC-A07	RXAC-A07
High pressure control	RXAB-A07	RXAB-A07	RXAB-A07	RXAB-A07	RXAB-A07	RXAB-A07	RXAB-A07
Liquid Line Solenoid (24 VAC, 50/60 Hz)	Solenoid Valve	61-200RD2T3TVLC	61-200RD2T3TVLC	61-200RD2T3TVLC	61-200RD2T3TVLC	61-200RD2T3TVLC	61-200RD3T3TVLC
	Solenoid Coil	61-AMG24V	61-AMG24V	61-AMG24V	61-AMG24V	61-AMG24V	61-AMG24V
Liquid Line Solenoid (120/240 VAC, 50/60 Hz)	Solenoid Valve	61-200RD2T3TVLC	61-200RD2T3TVLC	61-200RD2T3TVLC	61-200RD2T3TVLC	61-200RD2T3TVLC	61-200RD3T3TVLC
	Solenoid Coil	61-AMG120/240V	61-AMG120/240V	61-AMG120/240V	61-AMG120/240V	61-AMG120/240V	61-AMG120/240V
Classic Top Cap w/Label	91-101123-21	91-101123-21	91-101123-21	91-101123-21	91-101123-21	91-101123-21	91-101123-21

*Crankcase Heater recommended with Low Ambient Kit.

Weighted Sound Power Level (dBA)

Unit Size - Voltage, Series	Standard Rating (dBA)	TYPICAL OCTAVE BAND SPECTRUM (dBA without tone adjustment)						
		125	250	500	1000	2000	4000	8000
RA1618A								
RA1624A								
RA1630A								
RA1636A								
RA1642A								
RA1648A								
RA1660A								

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

Thermostats



200-Series *
Programmable



300-Series *
Deluxe Programmable



400-Series *
Special Applications/
Programmable



500-Series *
Communicating/
Programmable

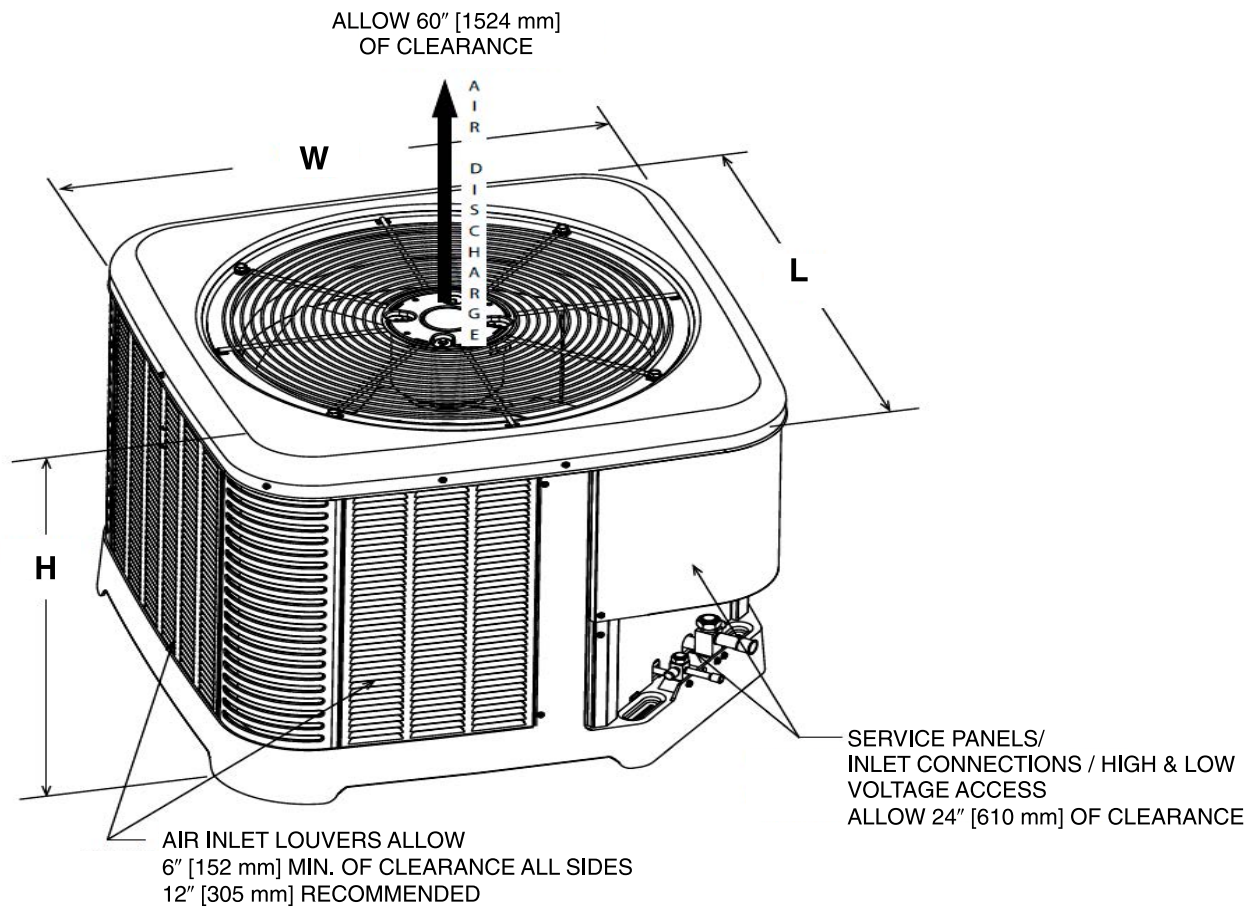
Brand	Descriptor (3 Characters)	Series (3 Characters)	System (2 Characters)	Type (2 Characters)
UHC	-	TST	213	UN
UHC=Ruud	TST=Thermostat	200=Programmable 300=Deluxe Programmable 400=Special Applications/ Programmable 500=Communicating/ Programmable	GE=Gas/Electric UN=Universal (AC/HP/GE) MD=Modulating Furnace DF=Dual Fuel CM=Communicating	SS=Single-Stage MS=Multi-Stage

* Photos are representative. Actual models may vary.

For detailed thermostat match-up information,
see specification sheet form number T22-001.

Unit Dimensions

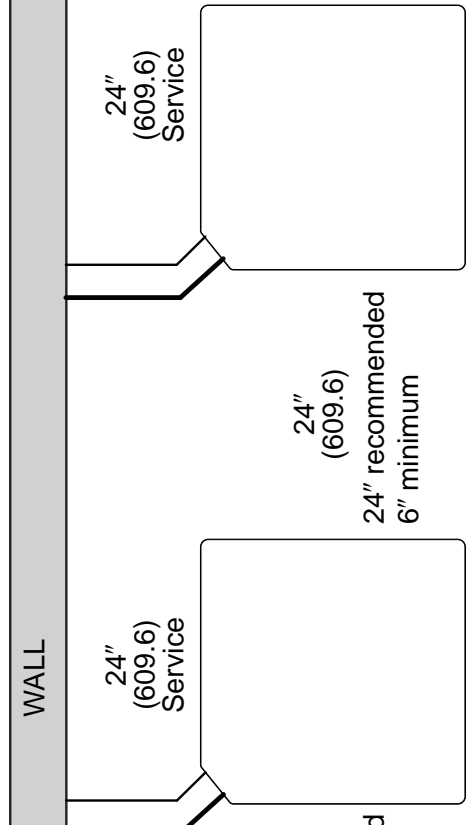
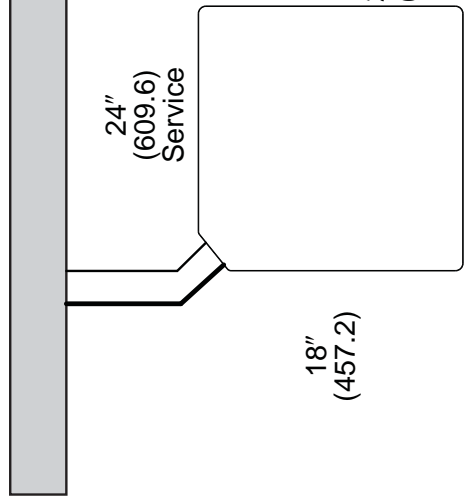
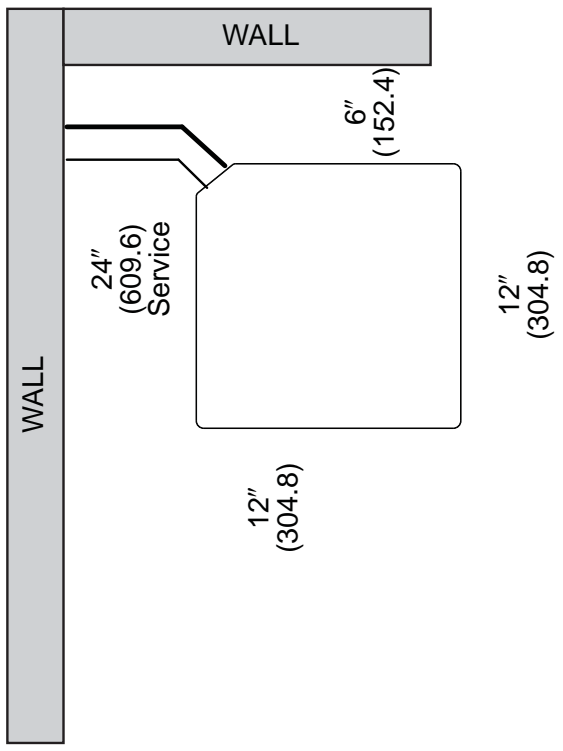
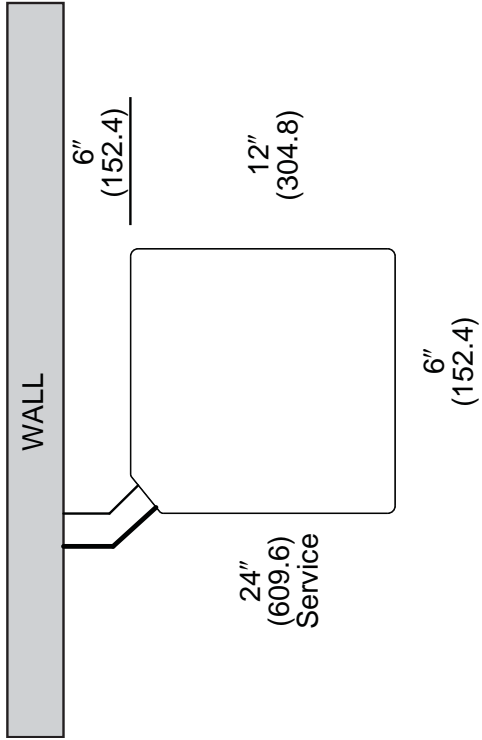
MODEL NO.	OPERATING						SHIPPING					
	H (Height)		L (Length)		W (Width)		H (Height)		L (Length)		W (Width)	
	INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm
RA1618	27	685	29.75	755	29.75	755	27.375	695	32.25	819	32.25	819
RA1624	27	685	33.75	857	33.75	857	27.375	695	36.25	921	36.25	921
RA1630	27	685	35.75	908	35.75	908	27.375	695	38.25	972	38.25	972
RA1636	31	787	35.75	908	35.75	908	31.375	797	38.25	972	38.25	972
RA1642	39	990	35.75	908	35.75	908	39.375	1000	38.25	972	38.25	972
RA1648	45	1143	35.75	908	35.75	908	45.375	1153	38.25	972	38.25	972
RA1660	51	1295	35.75	908	35.75	908	51.375	1305	38.25	972	38.25	972



[] Designates Metric Conversions

ST-A1226-02-00

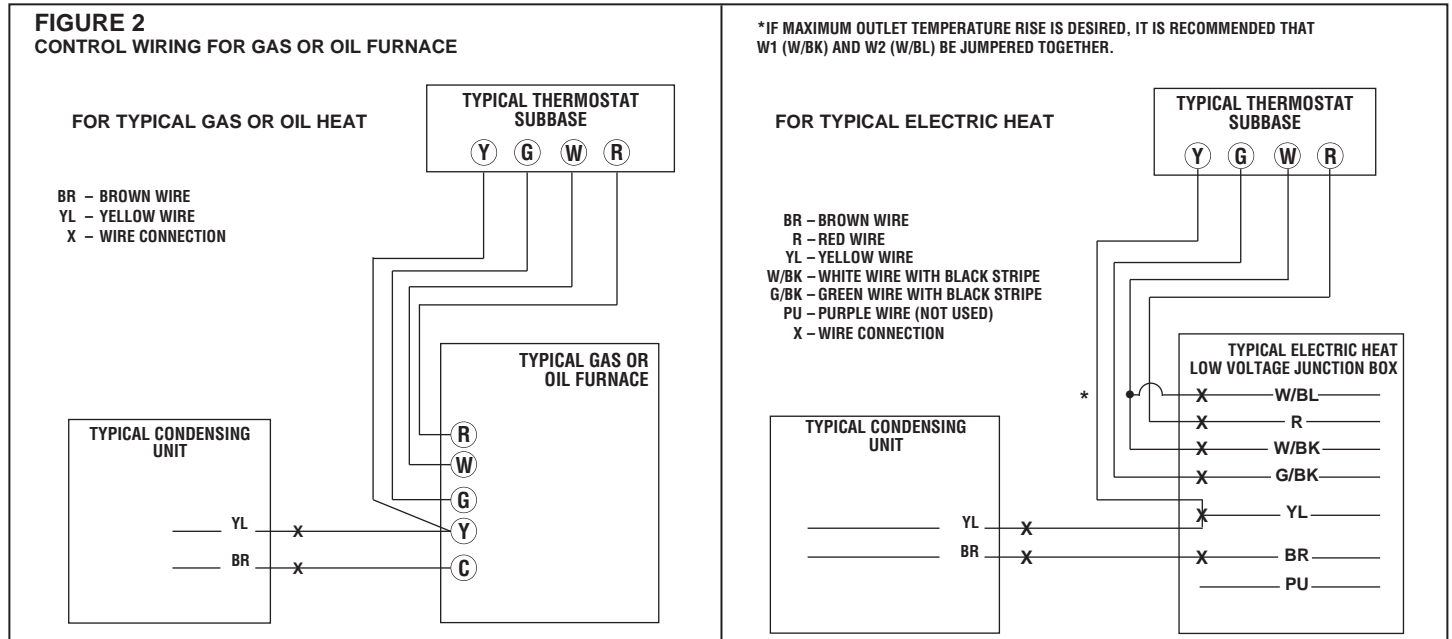
CLEARANCES



NOTE: NUMBERS IN () = mm

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

Control Wiring



Application Guidelines

1. Intended for outdoor installation with free air inlet and outlet. Outdoor fan external static pressure available is less than 0.01 -in. wc.
2. Minimum outdoor operation air temperature for cooling mode without low-ambient operation accessory is 55°F (12.8°C).
3. Maximum outdoor operating air temperature is 125°F (51.7°C).
4. For reliable operation, unit should be level in all horizontal planes.
5. Use only copper wire for electric connections at unit. Aluminum and clad aluminum are not acceptable for the type of connector provided.
6. Do not apply capillary tube indoor coils to these units.
7. Factory – supplied filter drier must be installed.

Refrigerant Line Size Information

R-410A System Capacity Model	Liquid Line Size Connection Size (Inch I.D.) [mm]	Liquid Line Size (Inch O.D.) [mm]	Liquid Line Selection Chart																					
			Elevation (Above or Below) Indoor Coil																					
			Total Equivalent Length - Feet [m]																					
			Maximum Vertical Separation - Feet [m]																					
			25 [7.62]	50 [15.24]	75 [22.86]	100 [30.48]	125 [45.72]	150 [45.72]	175 [53.34]	200 [60.96]	225 [68.58]	250 [76.20]	275 [83.82]	300 [91.44]										
18	3/8" [9.53]	1/4 [6.35]	25 [7.62]	50 [15.24]	60 [18.29]	45 [13.72]	30 [9.14]	15 [4.57]	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R							
		5/16 [7.94]	25 [7.62]	50 [15.24]	75 [22.86]	85 [25.91]	80 [24.38]	75 [22.86]	70 [21.34]	65 [19.81]	60 [18.29]	55 [16.76]	50 [15.24]	45 [13.72]	40 [12.19]	30 [9.14]	20 [6.1]							
		3/8 [9.53]	25 [7.62]	50 [15.24]	75 [22.86]	95 [28.96]	95 [28.96]	90 [27.43]	90 [27.43]	90 [27.43]	90 [27.43]	90 [27.43]	90 [27.43]	90 [27.43]	90 [27.43]	90 [27.43]	90 [27.43]	90 [27.43]						
		7/16 [11.12]	25 [7.62]	50 [15.24]	75 [22.86]	100 [30.48]	100 [30.48]	100 [30.48]	100 [30.48]	100 [30.48]	100 [30.48]	100 [30.48]	100 [30.48]	100 [30.48]	100 [30.48]	100 [30.48]	100 [30.48]	100 [30.48]						
		1/2 [12.71]	25 [7.62]	50 [15.24]	75 [22.86]	100 [30.48]	100 [30.48]	100 [30.48]	100 [30.48]	100 [30.48]	100 [30.48]	100 [30.48]	100 [30.48]	100 [30.48]	100 [30.48]	100 [30.48]	100 [30.48]	100 [30.48]						
24	3/8" [9.53]	1/4 [6.35]	25 [7.62]	50 [15.24]	35 [10.67]	10 [3.05]	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R							
		5/16 [7.94]	25 [7.62]	50 [15.24]	75 [22.86]	80 [24.38]	75 [22.86]	70 [21.34]	60 [18.29]	55 [16.76]	50 [15.24]	45 [13.72]	40 [12.19]	30 [9.14]	20 [6.1]	10 [3.05]	N/R							
		3/8 [9.53]	25 [7.62]	50 [15.24]	75 [22.86]	95 [28.96]	95 [28.96]	90 [27.43]	90 [27.43]	90 [27.43]	90 [27.43]	90 [27.43]	90 [27.43]	90 [27.43]	90 [27.43]	90 [27.43]	90 [27.43]	90 [27.43]						
		7/16 [11.12]	25 [7.62]	50 [15.24]	75 [22.86]	100 [30.48]	100 [30.48]	100 [30.48]	100 [30.48]	100 [30.48]	100 [30.48]	100 [30.48]	100 [30.48]	100 [30.48]	100 [30.48]	100 [30.48]	100 [30.48]	100 [30.48]						
		1/2 [12.71]	25 [7.62]	50 [15.24]	75 [22.86]	100 [30.48]	100 [30.48]	100 [30.48]	100 [30.48]	100 [30.48]	100 [30.48]	100 [30.48]	100 [30.48]	100 [30.48]	100 [30.48]	100 [30.48]	100 [30.48]	100 [30.48]						
30	3/8" [9.53]	1/4 [6.35]	25 [7.62]	50 [15.24]	70 [21.34]	65 [19.81]	55 [16.76]	45 [13.72]	35 [10.67]	25 [7.62]	20 [6.1]	10 [3.05]	N/R	N/R	N/R	N/R	N/R							
		5/16 [7.94]	25 [7.62]	50 [15.24]	75 [22.86]	85 [25.91]	80 [24.38]	80 [24.38]	75 [22.86]	75 [22.86]	70 [21.34]	70 [21.34]	65 [19.81]	60 [18.29]	55 [16.76]	50 [15.24]	45 [13.72]							
		3/8 [9.53]	25 [7.62]	50 [15.24]	75 [22.86]	95 [28.96]	95 [28.96]	90 [27.43]	90 [27.43]	90 [27.43]	90 [27.43]	90 [27.43]	90 [27.43]	90 [27.43]	90 [27.43]	90 [27.43]	90 [27.43]	90 [27.43]						
		7/16 [11.12]	25 [7.62]	50 [15.24]	75 [22.86]	100 [30.48]	100 [30.48]	100 [30.48]	100 [30.48]	100 [30.48]	100 [30.48]	100 [30.48]	100 [30.48]	100 [30.48]	100 [30.48]	100 [30.48]	100 [30.48]	100 [30.48]						
		1/2 [12.71]	25 [7.62]	50 [15.24]	75 [22.86]	100 [30.48]	100 [30.48]	100 [30.48]	100 [30.48]	100 [30.48]	100 [30.48]	100 [30.48]	100 [30.48]	100 [30.48]	100 [30.48]	100 [30.48]	100 [30.48]	100 [30.48]						
36	3/8" [9.53]	1/4 [6.35]	25 [7.62]	50 [15.24]	60 [18.29]	45 [13.72]	35 [10.67]	20 [6.1]	5 [1.52]	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R							
		5/16 [7.94]	25 [7.62]	50 [15.24]	75 [22.86]	80 [24.38]	75 [22.86]	70 [21.34]	65 [19.81]	60 [18.29]	55 [16.76]	50 [15.24]	45 [13.72]	40 [12.19]	30 [9.14]	25 [7.62]	20 [6.1]							
		3/8 [9.53]	25 [7.62]	50 [15.24]	75 [22.86]	95 [28.96]	95 [28.96]	90 [27.43]	90 [27.43]	90 [27.43]	90 [27.43]	90 [27.43]	90 [27.43]	90 [27.43]	90 [27.43]	90 [27.43]	90 [27.43]	90 [27.43]						
		7/16 [11.12]	25 [7.62]	50 [15.24]	75 [22.86]	100 [30.48]	100 [30.48]	100 [30.48]	100 [30.48]	100 [30.48]	100 [30.48]	100 [30.48]	100 [30.48]	100 [30.48]	100 [30.48]	100 [30.48]	100 [30.48]	100 [30.48]						
		1/2 [12.71]	25 [7.62]	50 [15.24]	75 [22.86]	100 [30.48]	100 [30.48]	100 [30.48]	100 [30.48]	100 [30.48]	100 [30.48]	100 [30.48]	100 [30.48]	100 [30.48]	100 [30.48]	100 [30.48]	100 [30.48]	100 [30.48]						
42	3/8" [9.53]	1/4 [6.35]	20 [6.1]	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R							
		5/16 [7.94]	25 [7.62]	50 [15.24]	40 [12.19]	20 [6.1]	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R							
		3/8 [9.53]	25 [7.62]	50 [15.24]	75 [22.86]	80 [24.38]	70 [21.34]	60 [18.29]	55 [16.76]	50 [15.24]	45 [13.72]	40 [12.19]	30 [9.14]	25 [7.62]	20 [6.1]	10 [3.05]	N/R							
		7/16 [11.12]	25 [7.62]	50 [15.24]	75 [22.86]	100 [30.48]	100 [30.48]	100 [30.48]	100 [30.48]	100 [30.48]	100 [30.48]	100 [30.48]	100 [30.48]	100 [30.48]	100 [30.48]	100 [30.48]	100 [30.48]	100 [30.48]						
		1/2 [12.71]	25 [7.62]	50 [15.24]	75 [22.86]	100 [30.48]	100 [30.48]	100 [30.48]	100 [30.48]	100 [30.48]	100 [30.48]	100 [30.48]	100 [30.48]	100 [30.48]	100 [30.48]	100 [30.48]	100 [30.48]	100 [30.48]						
48	3/8" [9.53]	1/4 [6.35]	15 [4.57]	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R							
		5/16 [7.94]	25 [7.62]	50 [15.24]	35 [10.67]	15 [4.57]	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R							
		3/8 [9.53]	25 [7.62]	50 [15.24]	75 [22.86]	85 [25.91]	75 [22.86]	70 [21.34]	65 [19.81]	60 [18.29]	55 [16.76]	50 [15.24]	45 [13.72]	40 [12.19]	30 [9.14]	25 [7.62]	20 [6.1]							
		7/16 [11.12]	25 [7.62]	50 [15.24]	75 [22.86]	100 [30.48]	100 [30.48]	100 [30.48]	100 [30.48]	100 [30.48]	100 [30.48]	100 [30.48]	100 [30.48]	100 [30.48]	100 [30.48]	100 [30.48]	100 [30.48]	100 [30.48]						
		1/2 [12.71]	25 [7.62]	50 [15.24]	75 [22.86]	100 [30.48]	100 [30.48]	100 [30.48]	100 [30.48]	100 [30.48]	100 [30.48]	100 [30.48]	100 [30.48]	100 [30.48]	100 [30.48]	100 [30.48]	100 [30.48]	100 [30.48]						
60	3/8" [9.53]	1/4 [6.35]	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R							
		5/16 [7.94]	25 [7.62]	30 [9.14]	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R							
		3/8 [9.53]	25 [7.62]	50 [15.24]	60 [18.29]	50 [15.24]	5 [1.52]	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R							
		7/16 [11.12]	25 [7.62]	50 [15.24]	75 [22.86]	100 [30.48]	100 [30.48]	100 [30.48]	100 [30.48]	100 [30.48]	100 [30.48]	100 [30.48]	100 [30.48]	100 [30.48]	100 [30.48]	100 [30.48]	100 [30.48]							
		1/2 [12.71]	25 [7.62]	50 [15.24]	75 [22.86]	100 [30.48]	100 [30.48]	100 [30.48]	100 [30.48]	100 [30.48]	100 [30.48]	100 [30.48]	100 [30.48]	100 [30.48]	100 [30.48]	100 [30.48]	100 [30.48]							

NOTES:
N/R = Application not recommended.
Grey = This application is acceptable, but the long line guidelines must be followed. Reference Long Line Set section in the I&O

[] Designates Metric Conversions

Refrigerant Line Size Information (con't.)

R-410A System Capacity Model	Vapor Line Connection Size (Inch I.D.) [mm]	Vapor Line Size (Inch O.D.) [mm]	Vapor Line Selection Chart Capacity Multiplier Table																		
			Total Equivalent Length - Feet [m]																		
			25 [7.62]	50 [15.24]	75 [22.86]	100 [30.48]	125 [45.72]	150 [45.72]	175 [53.34]	200 [60.96]	225 [68.58]	250 [76.20]	275 [83.82]	300 [91.44]							
18	3/4" [19.06]	5/8 [15.88]	1.00	0.99	0.99	0.99	0.98	0.98	0.98	0.97	0.97	0.97	0.97	0.97	0.97	0.96	0.96	0.96	0.96		
			3/4 [19.05]	1.00	1.00	1.00	1.00	1.00	1.00	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	
			7/8 [22.23]	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R
			1 [25.4]	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R
			1-1/8 [28.58]	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R
24	3/4" [19.06]	5/8 [15.88]	1.01	0.99	0.98	0.98	0.97	0.97	0.97	0.96	0.96	0.95	0.95	0.95	0.94	0.93	0.93	0.93	0.92		
			3/4 [19.05]	1.00	1.00	1.01	1.00	0.99	0.99	0.99	1.00	0.99	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	
			7/8 [22.23]	1.00	1.01	1.00	1.00	1.00	1.00	1.00	1.00	1.01	1.00	1.00	1.00	1.00	1.00	0.99	0.99	1.00	1.00
			1 [25.4]	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R
			1-1/8 [28.58]	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R
30	3/4" [19.06]	5/8 [15.88]	1.01	0.99	0.98	0.97	0.97	0.96	0.96	0.96	0.95	0.95	0.94	0.94	0.93	0.92	0.91	0.91	0.91		
			3/4 [19.05]	1.00	1.01	1.01	1.00	1.00	1.00	1.00	0.99	0.99	0.99	0.98	0.98	0.98	0.98	0.97	0.97	0.97	
			7/8 [22.23]	1.01	1.00	1.00	1.00	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.00	1.00	1.00	1.00	1.00
			1 [25.4]	1.01	1.01	1.01	1.00	1.00	1.00	1.00	1.00	1.01	1.01	1.01	1.01	1.01	1.00	1.00	1.00	1.00	1.00
			1-1/8 [28.58]	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R
36	3/4" [19.06]	5/8 [15.88]	0.99	0.97	0.95	0.94	0.94	0.93	0.93	0.93	0.93	0.91	0.91	0.91	0.91	0.89	0.87	0.87	0.86		
			3/4 [19.05]	1.00	0.99	0.99	0.98	0.98	0.98	0.98	0.97	0.97	0.96	0.96	0.96	0.95	0.95	0.94	0.94	0.94	
			7/8 [22.23]	1.00	1.00	0.99	1.00	0.99	0.99	0.99	0.99	0.99	0.99	0.98	0.98	0.98	0.98	0.98	0.97	0.97	0.97
			1 [25.4]	1.01	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.99	0.99	0.99
			1-1/8 [28.58]	1.01	1.01	1.01	1.01	1.01	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
42	7/8" [22.23]	5/8 [15.88]	0.98	0.97	0.95	0.92	0.92	0.91	0.91	0.91	0.91	0.89	0.89	0.86	0.85	0.84	0.83	0.83	0.83		
			3/4 [19.05]	1.00	0.98	0.98	0.97	0.97	0.96	0.96	0.96	0.96	0.95	0.95	0.95	0.93	0.93	0.93	0.92	0.92	
			7/8 [22.23]	1.00	1.00	0.99	0.99	0.99	0.98	0.98	0.98	0.98	0.98	0.97	0.97	0.97	0.96	0.96	0.96	0.96	0.96
			1 [25.4]	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R
			1-1/8 [28.58]	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R
48	7/8" [22.23]	5/8 [15.88]	0.98	0.97	0.94	0.92	0.92	0.91	0.91	0.91	0.89	0.87	0.87	0.86	0.84	0.83	0.82	0.81	0.81		
			3/4 [19.05]	1.00	0.99	0.98	0.97	0.97	0.97	0.97	0.96	0.96	0.96	0.95	0.95	0.94	0.94	0.93	0.92	0.92	
			7/8 [22.23]	1.00	1.00	1.00	1.00	1.00	0.99	0.99	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.97	0.97	0.97
			1 [25.4]	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R
			1-1/8 [28.58]	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R
60	7/8" [22.23]	5/8 [15.88]	0.98	0.95	0.92	0.88	0.88	0.88	0.88	0.86	0.86	0.85	0.82	0.82	0.82	0.82	0.81	0.81	0.81		
			3/4 [19.05]	1.00	0.99	0.98	0.97	0.96	0.96	0.95	0.95	0.94	0.94	0.94	0.94	0.93	0.93	0.93	0.92	0.92	
			7/8 [22.23]	1.01	1.00	1.00	1.00	0.99	0.99	0.98	0.98	0.98	0.98	0.97	0.97	0.97	0.96	0.96	0.96	0.96	0.96
			1 [25.4]	1.02	1.01	1.01	1.00	1.00	1.00	1.00	1.01	1.01	1.01	1.00	1.00	1.00	0.99	0.97	0.97	0.97	0.97
			1-1/8 [28.58]	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R

NOTES: N/R = Application not recommended. All calculations assume a 3/8" liquid line [] Designates Metric Conversions

Performance Data @ AHRI Standard Conditions – Cooling

High Sales Volume Tested Combination (HSVTC)									
Outdoor Unit	Air Mover	Indoor Coil	Total Capacity BTU/H [kW]	Net Sensible BTU/H [kW]	Net Latent BTU/H [kW]	SEER	EER	Indoor CFM [L/s]	AHRI#*
RA1618	Coil-Only	RCF2417STAM	18,300	13,700	4,600	14.50	12.20	600	
RA1624	Coil-Only	RCF2417STAM	25,000	18,300	6,700	14.50	12.20	800	
RA1630	Coil-Only	RCF3617STAM	28,400	21,600	6,800	14.50	12.20	1,025	
RA1636	Coil-Only	RCF3617STAM	34,800	24,300	10,500	14.50	12.20	1,000	
RA1642	Coil-Only	RCF4821STAM	41,000	30,300	10,700	14.50	12.20	1,425	
RA1648	Coil-Only	RCF4821MTAM	46,000	35,700	10,300	15.10	12.50	1,600	
RA1660	Coil-Only	RCF6024STAM	56,500	39,100	17,400	15.10	12.50	1,525	

Coil Only Ratings									
Outdoor Unit	Air Mover	Indoor Coil	Total Capacity BTU/H [kW]	Net Sensible BTU/H [kW]	Net Latent BTU/H [kW]	SEER	EER	Indoor CFM [L/s]	AHRI#*
RA1618	Coil-Only	RCF2414STAM	18,000	13,500	4,500	15.10	12.50	600	
		RCF2417HTAM	18,000	12,400	5,600	15.10	12.50	600	
		RCF2417MTAM	18,000	12,400	5,600	15.10	12.50	600	
		RCF2421HTAM	18,000	12,400	5,600	15.10	12.50	600	
		RCF2421MTAM	18,000	12,400	5,600	15.10	12.50	600	
RA1624	Coil-Only	RCF2414STAM	24,000	17,500	6,500	14.50	12.20	800	
		RCF2417HTAM	24,000	17,500	6,500	14.00	12.20	800	
		RCF2417MTAM	24,000	17,500	6,500	14.00	12.20	800	
		RCF2421HTAM	24,000	17,500	6,500	14.00	12.20	800	
		RCF2421MTAM	24,000	17,500	6,500	14.00	12.20	800	
RA1630	Coil-Only	RCF3621HTAM	30,000	22,800	7,200	15.00	12.50	1,025	
		RCF3621MTAM	29,600	21,000	8,600	14.50	12.20	1,025	
		RCF3621STAM	28,400	21,600	6,800	14.50	12.20	1,025	
		RCF3624HTAM	30,000	22,800	7,200	15.10	12.50	1,025	
		RCF3624MTAM	29,600	21,000	8,600	14.50	12.20	1,025	
RA1636	Coil-Only	RCF3621HTAM	36,000	25,100	10,900	15.10	12.50	1,000	
		RCF3621MTAM	36,000	25,100	10,900	15.10	12.50	1,000	
		RCF3621STAM	34,800	24,300	10,500	14.50	12.20	1,000	
		RCF3624HTAM	36,000	25,100	10,900	15.10	12.50	1,000	
		RCF3624MTAM	36,000	25,100	10,900	15.10	12.50	1,000	
RA1642	Coil-Only	RCF4821MTAM	42,000	29,600	12,400	15.10	12.50	1,425	
		RCF4824HTAM	42,000	31,100	10,900	15.10	12.50	1,425	
		RCF4824STAM	41,000	30,300	10,700	14.50	12.20	1,425	
RA1648	Coil-Only	RCF4821STAM	45,000	33,300	11,700	15.50	13.00	1,375	
		RCF4824HTAM	46,500	34,400	12,100	15.50	13.00	1,600	
		RCF4824STAM	45,000	33,300	11,700	15.50	13.00	1,375	
RA1660	Coil-Only	RCF6024HTAM	56,500	39,100	17,400	15.10	12.50	1,525	

*AHRI #'s to be available in January 2015.

[] Designates Metric Conversions

Performance Data @ AHRI Standard Conditions – Cooling (con't.)

R801T Furnace Ratings									
Outdoor Unit	Furnace	Indoor Coil	Total Capacity BTU/H [kW]	Net Sensible BTU/H [kW]	Net Latent BTU/H [kW]	SEER	EER	Indoor CFM [L/s]	AHRI#*
RA1618	R801TA050314MSA	RCF2414STAM	18,000	13,500	4,500	16.00	13.00	625	
		RCF2417HTAM	18,000	13,500	4,500	16.00	13.00	625	
		RCF2417MTAM	18,000	13,500	4,500	16.00	13.00	625	
		RCF2417STAM	18,000	13,500	4,500	16.00	13.00	625	
	R801TA075317ZSA	RCF2417HTAM	18,000	13,500	4,500	16.00	13.00	650	
		RCF2417MTAM	18,000	13,500	4,500	16.00	13.00	650	
		RCF2417STAM	18,000	13,500	4,500	16.00	13.00	650	
		RCF2421HTAM	18,000	13,500	4,500	16.00	13.00	650	
RA1624	R801TA050314MSA	RCF2414STAM	24,000	17,500	6,500	16.00	13.00	800	
		RCF2417HTAM	24,000	17,500	6,500	16.00	13.00	875	
		RCF2417MTAM	24,000	17,500	6,500	16.00	13.00	850	
		RCF2417STAM	24,000	17,500	6,500	16.00	13.00	825	
	R801TA075317ZSA	RCF2417HTAM	24,000	17,500	6,500	16.00	13.00	650	
		RCF2417MTAM	24,000	17,500	6,500	16.00	13.00	650	
		RCF2417STAM	24,000	17,500	6,500	16.00	13.00	850	
		RCF2421HTAM	24,000	17,500	6,500	16.00	13.00	650	
RA1630	R801TA050314MSA	RCF3617STAM	28,800	21,900	6,900	16.00	13.00	1,000	
	R801TA075317ZSA	RCF3617STAM	28,400	21,100	7,300	16.00	13.00	875	
		RCF3621MTAM	29,600	20,500	9,100	16.00	13.00	875	
		RCF3621STAM	28,400	21,100	7,300	16.00	13.00	875	
	R801TA075417MSA	RCF3617STAM	29,000	22,100	6,900	16.00	13.00	1,000	
		RCF3621HTAM	30,000	22,800	7,200	16.00	13.00	1,050	
		RCF3621MTAM	30,000	22,800	7,200	16.00	13.00	1,050	
		RCF3621STAM	29,000	22,200	6,800	16.00	13.00	1,025	
	R801TA075521ZSA	RCF3621MTAM	30,000	22,800	7,200	16.00	13.00	1,000	
		RCF3621STAM	28,800	21,800	7,000	16.00	13.00	975	
		RCF3624HTAM	30,000	22,800	7,200	16.00	13.00	1,025	
		RCF3624MTAM	30,000	22,800	7,200	16.00	13.00	1,000	
	R801TA100521MSA	RCF3621HTAM	30,000	22,800	7,200	16.00	13.00	1,075	
		RCF3621MTAM	30,000	22,800	7,200	16.00	13.00	1,050	
		RCF3621STAM	29,000	22,100	6,900	16.00	13.00	1,000	
		RCF3624MTAM	30,000	22,800	7,200	16.00	13.00	1,050	
	R801TA100521ZSA	RCF3621MTAM	30,000	21,200	8,800	16.00	13.00	975	
		RCF3621STAM	28,800	21,800	7,000	16.00	13.00	975	
		RCF3624HTAM	30,000	22,800	7,200	16.00	13.00	1,025	
		RCF3624MTAM	30,000	21,200	8,800	16.00	13.00	975	
R801TA125524ZSA	RCF3624HTAM	30,000	22,800	7,200	16.00	13.00	975		
	RCF3624MTAM	29,800	20,900	8,900	16.00	13.00	925		
RA1636	R801TA050314MSA	RCF3617STAM	35,200	24,700	10,500	15.10	12.50	1,000	
	R801TA075317ZSA	RCF3617STAM	35,400	25,100	10,300	15.10	12.50	1,050	
		RCF3621MTAM	36,000	25,100	10,900	16.00	13.00	1,075	
		RCF3621STAM	35,400	25,100	10,300	15.10	12.50	1,050	
	R801TA075417MSA	RCF3617STAM	35,000	24,400	10,600	15.50	13.00	975	
		RCF3621HTAM	36,000	25,100	10,900	16.00	13.00	1,200	
		RCF3621MTAM	36,000	25,100	10,900	16.00	13.00	1,275	
RCF3621STAM		35,200	24,700	10,500	15.50	13.00	1,000		

*AHRI #'s to be available in January 2015.

[] Designates Metric Conversions

Performance Data @ AHRI Standard Conditions – Cooling (con't.)

R801T Furnace Ratings									
Outdoor Unit	Furnace	Indoor Coil	Total Capacity BTU/H [kW]	Net Sensible BTU/H [kW]	Net Latent BTU/H [kW]	SEER	EER	Indoor CFM [L/s]	AHRI#*
RA1636	R801TA075521ZSA	RCF3621MTAM	36,000	25,100	10,900	16.00	13.00	1,225	
		RCF3621STAM	35,000	24,300	10,700	15.50	13.00	950	
		RCF3624HTAM	36,000	25,100	10,900	16.00	13.00	1,250	
		RCF3624MTAM	36,000	25,100	10,900	16.00	13.00	1,225	
	R801TA100521MSA	RCF3621HTAM	36,000	25,100	10,900	16.00	13.00	1,075	
		RCF3621MTAM	36,000	25,100	10,900	16.00	13.00	1,050	
		RCF3621STAM	35,400	24,900	10,500	15.50	13.00	1,000	
		RCF3624HTAM	36,000	25,100	10,900	16.00	13.00	1,100	
	R801TA100521ZSA	RCF3624MTAM	36,000	25,100	10,900	16.00	13.00	1,050	
		RCF3621MTAM	36,000	25,100	10,900	16.00	13.00	1,225	
		RCF3621STAM	35,000	24,300	10,700	15.50	13.00	950	
		RCF3624HTAM	36,000	25,100	10,900	16.00	13.00	1,250	
	R801TA125524MSA	RCF3624MTAM	36,000	25,100	10,900	16.00	13.00	1,225	
		RCF3624HTAM	36,000	25,100	10,900	16.00	13.00	1,200	
	R801TA125524ZSA	RCF3624MTAM	36,000	25,100	10,900	16.00	13.00	1,175	
		RCF3624HTAM	36,000	25,100	10,900	16.00	13.00	1,150	
		RCF3624MTAM	36,000	25,100	10,900	16.00	13.00	1,100	
		RCF3624HTAM	36,000	25,100	10,900	16.00	13.00	1,100	
RA1642	R801TA075317ZSA	RCF4821STAM	40,000	27,400	12,600	15.50	13.00	1,075	
	R801TA075417MSA	RCF4821MTAM	42,000	28,900	13,100	16.00	13.00	1,300	
		RCF4821STAM	41,000	29,500	11,500	15.50	13.00	1,275	
	R801TA075521ZSA	RCF4821STAM	41,000	29,200	11,800	15.50	13.00	1,225	
		RCF4824HTAM	42,000	31,100	10,900	16.00	13.00	1,450	
		RCF4824STAM	41,000	29,200	11,800	15.50	13.00	1,225	
	R801TA100521MSA	RCF4821MTAM	42,000	31,100	10,900	16.00	13.00	1,425	
		RCF4821STAM	41,500	30,300	11,200	16.00	13.00	1,325	
		RCF4824HTAM	42,000	31,100	10,900	16.00	13.00	1,425	
		RCF4824STAM	41,500	30,300	11,200	16.00	13.00	1,325	
	R801TA100521ZSA	RCF4821STAM	41,000	29,200	11,800	15.50	13.00	1,225	
		RCF4824HTAM	42,000	31,100	10,900	16.00	13.00	1,425	
		RCF4824STAM	41,000	29,200	11,800	15.50	13.00	1,225	
	R801TA125524MSA	RCF4824HTAM	42,000	31,100	10,900	16.00	13.00	1,375	
		RCF4824STAM	41,500	30,400	11,100	16.00	13.00	1,350	
	R801TA125524ZSA	RCF4824HTAM	42,000	31,100	10,900	16.00	13.00	1,375	
RCF4824STAM		40,500	28,000	12,500	16.00	13.00	1,100		
RA1648	R801TA075317ZSA	RCF4821STAM	43,500	29,500	14,000	15.50	13.00	1,225	
	R801TA075417MSA	RCF4821MTAM	45,000	32,900	12,100	16.00	13.00	1,300	
		RCF4821STAM	43,500	29,200	14,300	16.00	13.00	1,175	
	R801TA075521ZSA	RCF4821STAM	44,000	29,800	14,200	16.00	13.00	1,200	
		RCF4824HTAM	46,000	33,000	13,000	16.00	13.00	1,450	
		RCF4824STAM	44,000	29,800	14,200	16.00	13.00	1,200	
	R801TA100521MSA	RCF4821MTAM	45,500	34,000	11,500	16.00	13.00	1,400	
		RCF4821STAM	44,500	31,400	13,100	16.00	13.00	1,375	
		RCF4824HTAM	47,000	35,300	11,700	16.00	13.00	1,650	
		RCF4824STAM	44,500	31,400	13,100	16.00	13.00	1,375	
	R801TA100521ZSA	RCF4821STAM	44,000	29,800	14,200	16.00	13.00	1,200	
		RCF4824HTAM	46,000	32,800	13,200	16.00	13.00	1,425	
RCF4824STAM		44,000	29,800	14,200	16.00	13.00	1,200		

*AHRI #'s to be available in January 2015.

[] Designates Metric Conversions

Performance Data @ AHRI Standard Conditions – Cooling (con't.)

R801T Furnace Ratings									
Outdoor Unit	Furnace	Indoor Coil	Total Capacity BTU/H [kW]	Net Sensible BTU/H [kW]	Net Latent BTU/H [kW]	SEER	EER	Indoor CFM [L/s]	AHRI#*
RA1648	R801TA125524MSA	RCF4824HTAM	47,000	35,300	11,700	16.00	13.00	1,650	
		RCF4824STAM	44,500	31,100	13,400	16.00	13.00	1,325	
	R801TA125524ZSA	RCF4824HTAM	46,000	32,500	13,500	16.00	13.00	1,375	
		RCF4824STAM	44,500	31,100	13,400	15.50	13.00	1,325	
RA1660	R801TA075417MSA	RCF6021MTAM	54,500	35,300	19,200	15.10	12.50	1,400	
		RCF6021STAM	55,000	35,900	19,100	15.10	12.50	1,450	
	R801TA075521ZSA	RCF6024HTAM	56,500	38,500	18,000	15.50	13.00	1,450	
		RCF6024STAM	56,500	38,500	18,000	15.50	13.00	1,450	
	R801TA100521MSA	RCF6021MTAM	55,000	36,100	18,900	15.50	13.00	1,450	
		RCF6021STAM	55,000	35,600	19,400	15.50	13.00	1,400	
		RCF6024HTAM	58,000	41,600	16,400	15.50	13.00	1,650	
		RCF6024STAM	58,000	41,600	16,400	15.50	13.00	1,650	
	R801TA100521ZSA	RCF6024HTAM	56,500	38,300	18,200	15.50	13.00	1,425	
		RCF6024STAM	56,500	38,300	18,200	15.50	13.00	1,425	
	R801TA125524MSA	RCF6024HTAM	58,000	41,600	16,400	15.50	13.00	1,650	
		RCF6024STAM	58,000	41,600	16,400	15.50	13.00	1,650	
	R801TA125524ZSA	RCF6024HTAM	57,500	41,300	16,200	15.10	12.50	1,675	
		RCF6024STAM	57,500	41,300	16,200	15.10	12.50	1,675	

*AHRI #'s to be available in January 2015.

[] Designates Metric Conversions

PRELIMINARY

Performance Data @ AHRI Standard Conditions – Cooling (con't.)

R802V Furnace Ratings										
Outdoor Unit	Furnace	Indoor Coil	Total Capacity BTU/H [kW]	Net Sensible BTU/H [kW]	Net Latent BTU/H [kW]	SEER	EER	Indoor CFM [L/s]	AHRI#*	
RA1618	R802VA050317MSA	RCF2417HTAM	18,000	13,500	4,500	16.00	13.00	675		
		RCF2417MTAM	18,000	13,500	4,500	16.00	13.00	675		
		RCF2417STAM	18,000	13,500	4,500	16.00	13.00	675		
		RCF2421HTAM	18,000	13,500	4,500	16.00	13.00	675		
		RCF2421MTAM	18,000	13,500	4,500	16.00	13.00	675		
	R802VA075317MSA	RCF2417HTAM	18,000	13,500	4,500	16.00	13.00	675		
		RCF2417MTAM	18,000	13,500	4,500	16.00	13.00	675		
		RCF2417STAM	18,000	13,500	4,500	16.00	13.00	675		
		RCF2421HTAM	18,000	13,500	4,500	16.00	13.00	675		
		RCF2421MTAM	18,000	13,500	4,500	16.00	13.00	675		
	R802VA075317ZSA	RCF2417HTAM	18,000	13,500	4,500	16.00	13.00	675		
		RCF2417MTAM	18,000	13,500	4,500	16.00	13.00	675		
		RCF2417STAM	18,000	13,500	4,500	16.00	13.00	675		
		RCF2421HTAM	18,000	13,500	4,500	16.00	13.00	675		
		RCF2421MTAM	18,000	13,500	4,500	16.00	13.00	675		
	R802VA075421ZSA	RCF2421HTAM	18,000	13,500	4,500	16.00	13.00	650		
		RCF2421MTAM	18,000	13,500	4,500	16.00	13.00	650		
	RA1624	R802VA050317MSA	RCF2417HTAM	24,000	17,500	6,500	15.50	13.00	875	
			RCF2417MTAM	24,000	17,500	6,500	15.50	13.00	850	
			RCF2417STAM	24,000	17,500	6,500	16.00	13.00	725	
RCF2421HTAM			24,000	17,500	6,500	15.50	13.00	850		
RCF2421MTAM			24,000	17,500	6,500	15.50	13.00	850		
R802VA075317MSA		RCF2417HTAM	24,000	17,500	6,500	16.00	13.00	875		
		RCF2417MTAM	24,000	17,500	6,500	16.00	13.00	875		
		RCF2417STAM	24,000	17,500	6,500	16.00	13.00	875		
		RCF2421HTAM	24,000	17,500	6,500	16.00	13.00	875		
		RCF2421MTAM	24,000	17,500	6,500	16.00	13.00	875		
R802VA075317ZSA		RCF2417HTAM	24,000	17,500	6,500	16.00	13.00	800		
		RCF2417MTAM	24,000	17,500	6,500	16.00	13.00	800		
		RCF2417STAM	24,000	17,500	6,500	16.00	13.00	825		
		RCF2421HTAM	24,000	17,500	6,500	16.00	13.00	800		
		RCF2421MTAM	24,000	17,500	6,500	16.00	13.00	800		
R802VA075421ZSA		RCF2421HTAM	24,000	17,500	6,500	15.50	13.00	875		
		RCF2421MTAM	24,000	17,500	6,500	15.50	13.00	875		
R802VA100521MSA		RCF2421HTAM	24,000	17,500	6,500	16.00	13.00	850		
		RCF2421MTAM	24,000	17,500	6,500	16.00	13.00	850		
RA1630		R802VA050317MSA	RCF3617STAM	28,200	20,900	7,300	16.00	13.00	875	
	RCF3621HTAM		30,000	22,800	7,200	16.00	13.00	975		
	RCF3621MTAM		29,800	21,000	8,800	15.50	13.00	975		
	RCF3621STAM		28,200	20,900	7,300	16.00	13.00	875		
	R802VA075317MSA	RCF3617STAM	29,000	22,200	6,800	16.00	13.00	1,025		
		RCF3621HTAM	30,000	22,800	7,200	16.00	13.00	1,075		
		RCF3621MTAM	30,000	22,800	7,200	16.00	13.00	1,075		
		RCF3621STAM	29,000	22,200	6,800	16.00	13.00	1,025		
	R802VA075317ZSA	RCF3617STAM	28,800	21,900	6,900	16.00	13.00	1,000		
		RCF3621MTAM	30,000	22,800	7,200	16.00	13.00	1,000		
		RCF3621STAM	28,800	21,900	6,900	16.00	13.00	1,000		

*AHRI #'s to be available in January 2015.

[] Designates Metric Conversions

Performance Data @ AHRI Standard Conditions – Cooling (con't.)

R802V Furnace Ratings									
Outdoor Unit	Furnace	Indoor Coil	Total Capacity BTU/H [kW]	Net Sensible BTU/H [kW]	Net Latent BTU/H [kW]	SEER	EER	Indoor CFM [L/s]	AHRI#*
RA1630	R802VA075421ZSA	RCF3621MTAM	30,000	22,800	7,200	16.00	13.00	1,025	
		RCF3621STAM	29,000	22,200	6,800	16.00	13.00	1,025	
		RCF3624HTAM	30,000	22,800	7,200	16.00	13.00	1,075	
		RCF3624MTAM	30,000	22,800	7,200	16.00	13.00	1,025	
	R802VA100521MSA	RCF3621HTAM	30,000	22,800	7,200	16.00	13.00	1,025	
		RCF3621MTAM	30,000	22,800	7,200	16.00	13.00	1,025	
		RCF3621STAM	29,000	22,200	6,800	16.00	13.00	1,025	
		RCF3624HTAM	30,000	22,800	7,200	16.00	13.00	1,025	
	R802VA100521ZSA	RCF3624MTAM	30,000	22,800	7,200	16.00	13.00	1,025	
		RCF3621MTAM	30,000	22,800	7,200	16.00	13.00	1,050	
		RCF3621STAM	28,800	21,800	7,000	16.00	13.00	975	
		RCF3624HTAM	30,000	22,800	7,200	16.00	13.00	1,050	
	R802VA125524MSA	RCF3624MTAM	30,000	22,800	7,200	16.00	13.00	1,050	
		RCF3624HTAM	30,000	22,800	7,200	16.00	13.00	1,050	
	R802VA125524ZSA	RCF3624MTAM	30,000	22,800	7,200	16.00	13.00	1,075	
		RCF3624HTAM	30,000	22,800	7,200	16.00	13.00	1,075	
RA1636	R802VA050317MSA	RCF3617STAM	35,400	25,300	10,100	14.50	12.20	1,100	
		RCF3621HTAM	36,000	25,100	10,900	16.00	13.00	1,100	
		RCF3621MTAM	36,000	25,100	10,900	15.50	13.00	1,100	
		RCF3621STAM	35,400	25,300	10,100	14.50	12.20	1,100	
	R802VA075317MSA	RCF3617STAM	35,800	25,900	9,900	15.10	12.50	1,150	
		RCF3621HTAM	36,000	25,100	10,900	16.00	13.00	1,150	
		RCF3621MTAM	36,000	25,100	10,900	16.00	13.00	1,150	
		RCF3621STAM	35,000	24,400	10,600	15.50	13.00	975	
	R802VA075317ZSA	RCF3617STAM	35,200	24,900	10,300	15.10	12.50	1,050	
		RCF3621MTAM	36,000	25,100	10,900	16.00	13.00	1,100	
		RCF3621STAM	35,400	25,100	10,300	15.10	12.50	1,050	
	R802VA075421ZSA	RCF3621MTAM	36,000	25,100	10,900	16.00	13.00	1,250	
		RCF3621STAM	36,000	25,100	10,900	15.10	12.50	1,200	
		RCF3624HTAM	36,000	25,100	10,900	16.00	13.00	1,250	
		RCF3624MTAM	36,000	25,100	10,900	16.00	13.00	1,250	
	R802VA100521MSA	RCF3621HTAM	36,000	25,100	10,900	16.00	13.00	1,250	
		RCF3621MTAM	36,000	25,100	10,900	16.00	13.00	1,250	
		RCF3621STAM	36,000	25,100	10,900	15.50	13.00	1,250	
		RCF3624HTAM	36,000	25,100	10,900	16.00	13.00	1,250	
		RCF3624MTAM	36,000	25,100	10,900	16.00	13.00	1,250	
	R802VA100521ZSA	RCF3621MTAM	36,000	25,100	10,900	16.00	13.00	1,250	
		RCF3621STAM	35,400	25,100	10,300	15.50	13.00	1,050	
		RCF3624HTAM	36,000	25,100	10,900	16.00	13.00	1,250	
		RCF3624MTAM	36,000	25,100	10,900	16.00	13.00	1,250	
R802VA125524MSA	RCF3624HTAM	36,000	25,100	10,900	16.00	13.00	1,250		
	RCF3624MTAM	36,000	25,100	10,900	16.00	13.00	1,250		
R802VA125524ZSA	RCF3624HTAM	36,000	25,100	10,900	16.00	13.00	1,250		
	RCF3624MTAM	36,000	25,100	10,900	16.00	13.00	1,250		

*AHRI #'s to be available in January 2015.

[] Designates Metric Conversions

Performance Data @ AHRI Standard Conditions – Cooling (con't.)

R802V Furnace Ratings										
Outdoor Unit	Furnace	Indoor Coil	Total Capacity BTU/H [kW]	Net Sensible BTU/H [kW]	Net Latent BTU/H [kW]	SEER	EER	Indoor CFM [L/s]	AHRI#*	
RA1642	R802VA050317MSA	RCF4821MTAM	40,500	26,400	14,100	15.50	13.00	1,100		
		RCF4821STAM	40,000	27,500	12,500	15.10	12.50	1,100		
	R802VA075317MSA	RCF4821MTAM	41,000	27,100	13,900	16.00	13.00	1,150		
		RCF4821STAM	40,000	27,400	12,600	16.00	13.00	1,075		
	R802VA075317ZSA	RCF4821STAM	40,000	27,500	12,500	15.50	13.00	1,100		
	R802VA075421ZSA	RCF4821STAM	41,000	29,600	11,400	15.50	13.00	1,300		
		RCF4824HTAM	42,000	31,100	10,900	16.00	13.00	1,400		
		RCF4824STAM	41,000	29,600	11,400	15.50	13.00	1,300		
	R802VA100521MSA	RCF4821MTAM	42,000	31,100	10,900	16.00	13.00	1,400		
		RCF4821STAM	41,500	30,700	10,800	16.00	13.00	1,400		
		RCF4824HTAM	42,000	31,100	10,900	16.00	13.00	1,400		
		RCF4824STAM	41,500	30,700	10,800	16.00	13.00	1,400		
	R802VA100521ZSA	RCF4821STAM	40,500	28,300	12,200	16.00	13.00	1,150		
		RCF4824HTAM	42,000	31,100	10,900	16.00	13.00	1,450		
		RCF4824STAM	40,500	28,300	12,200	16.00	13.00	1,150		
	R802VA125524MSA	RCF4824HTAM	42,000	31,100	10,900	16.00	13.00	1,475		
		RCF4824STAM	42,000	31,600	10,400	16.00	13.00	1,475		
	R802VA125524ZSA	RCF4824HTAM	42,000	31,100	10,900	16.00	13.00	1,450		
RCF4824STAM		41,000	29,300	11,700	16.00	13.00	1,250			
RA1648	R802VA050317MSA	RCF4821MTAM	44,000	31,100	12,900	15.10	12.50	1,175		
	R802VA075317ZSA	RCF4821STAM	43,500	29,300	14,200	15.50	13.00	1,200		
	R802VA075421ZSA	RCF4821STAM	44,000	30,400	13,600	15.50	13.00	1,300		
		RCF4824HTAM	46,000	33,000	13,000	16.00	13.00	1,450		
		RCF4824STAM	44,000	30,400	13,600	15.50	13.00	1,300		
	R802VA100521MSA	RCF4821MTAM	46,500	36,100	10,400	16.00	13.00	1,575		
		RCF4821STAM	45,000	32,000	13,000	16.00	13.00	1,400		
		RCF4824HTAM	47,000	34,700	12,300	16.00	13.00	1,575		
		RCF4824STAM	45,000	32,000	13,000	16.00	13.00	1,400		
	R802VA100521ZSA	RCF4821STAM	44,000	30,100	13,900	16.00	13.00	1,250		
		RCF4824HTAM	46,500	34,400	12,100	16.00	13.00	1,600		
		RCF4824STAM	44,000	30,100	13,900	16.00	13.00	1,250		
	R802VA125524MSA	RCF4824HTAM	47,000	34,700	12,300	16.00	13.00	1,575		
		RCF4824STAM	45,500	33,600	11,900	16.00	13.00	1,575		
	R802VA125524ZSA	RCF4824HTAM	47,000	34,700	12,300	16.00	13.00	1,575		
		RCF4824STAM	44,500	31,100	13,400	16.00	13.00	1,325		
	RA1660	R802VA075421ZSA	RCF6024HTAM	56,500	39,100	17,400	15.10	12.50	1,550	
			RCF6024STAM	56,500	39,100	17,400	15.10	12.50	1,550	
R802VA100521MSA		RCF6021MTAM	55,500	37,500	18,000	15.50	13.00	1,575		
		RCF6021STAM	56,000	37,900	18,100	15.50	13.00	1,575		
		RCF6024HTAM	58,000	42,200	15,800	15.50	13.00	1,725		
		RCF6024STAM	58,000	42,200	15,800	15.50	13.00	1,725		
R802VA100521ZSA		RCF6024HTAM	57,000	39,400	17,600	15.50	13.00	1,500		
		RCF6024STAM	57,000	39,400	17,600	15.50	13.00	1,500		
R802VA125524MSA		RCF6024HTAM	57,500	40,100	17,400	16.00	13.00	1,525		
		RCF6024STAM	57,500	40,100	17,400	16.00	13.00	1,525		
R802VA125524ZSA		RCF6024HTAM	57,000	39,600	17,400	15.50	13.00	1,525		
		RCF6024STAM	57,000	39,600	17,400	15.50	13.00	1,525		

*AHRI #'s to be available in January 2015.

[] Designates Metric Conversions

Performance Data @ AHRI Standard Conditions – Cooling (con't.)

R95T Furnace Ratings									
Outdoor Unit	Furnace	Indoor Coil	Total Capacity BTU/H [kW]	Net Sensible BTU/H [kW]	Net Latent BTU/H [kW]	SEER	EER	Indoor CFM [L/s]	AHRI#*
RA1618	R95TA0401317MSA	RCF2417HTAM	18,000	13,500	4,500	16.00	13.00	650	
		RCF2417MTAM	18,000	13,500	4,500	16.00	13.00	650	
		RCF2417STAM	18,000	13,500	4,500	16.00	13.00	650	
		RCF2421HTAM	18,000	13,500	4,500	16.00	13.00	650	
		RCF2421MTAM	18,000	13,500	4,500	16.00	13.00	650	
RA1624	R95TA0401317MSA	RCF2417HTAM	24,000	17,500	6,500	15.50	13.00	875	
		RCF2417MTAM	24,000	17,500	6,500	15.50	13.00	875	
		RCF2417STAM	24,000	17,500	6,500	16.00	13.00	850	
		RCF2421HTAM	24,000	17,500	6,500	15.50	13.00	875	
		RCF2421MTAM	24,000	17,500	6,500	15.50	13.00	875	
	R95TA0601317MSA	RCF2417HTAM	24,000	17,500	6,500	15.50	13.00	850	
		RCF2417MTAM	24,000	17,500	6,500	15.50	13.00	850	
		RCF2417STAM	24,000	17,500	6,500	15.50	13.00	875	
		RCF2421HTAM	24,000	17,500	6,500	15.50	13.00	850	
	R95TA0701317MSA	RCF2421MTAM	24,000	17,500	6,500	15.50	13.00	850	
		RCF2417HTAM	24,000	17,500	6,500	15.50	13.00	850	
		RCF2417MTAM	24,000	17,500	6,500	15.50	13.00	850	
		RCF2417STAM	24,000	17,500	6,500	15.50	13.00	825	
	RA1630	R95TA0401317MSA	RCF3617STAM	28,400	21,200	7,200	16.00	13.00	925
RCF3621HTAM			30,000	22,800	7,200	16.00	13.00	1,000	
RCF3621MTAM			29,800	21,000	8,800	16.00	13.00	950	
RCF3621STAM			28,600	21,500	7,100	16.00	13.00	950	
R95TA0601317MSA		RCF3617STAM	28,200	20,800	7,400	16.00	13.00	850	
		RCF3621HTAM	30,000	22,800	7,200	16.00	13.00	925	
		RCF3621MTAM	29,600	20,600	9,000	15.50	13.00	900	
		RCF3621STAM	28,400	21,200	7,200	16.00	13.00	900	
R95TA0701317MSA		RCF3617STAM	28,000	20,600	7,400	16.00	13.00	850	
		RCF3621HTAM	30,000	22,800	7,200	16.00	13.00	975	
		RCF3621MTAM	29,600	20,800	8,800	15.50	13.00	950	
		RCF3621STAM	28,200	20,900	7,300	16.00	13.00	875	
RA1636	R95TA0401317MSA	RCF3617STAM	35,400	25,100	10,300	15.10	12.50	1,050	
		RCF3621HTAM	36,000	25,100	10,900	16.00	13.00	1,200	
		RCF3621MTAM	36,000	25,100	10,900	16.00	13.00	1,100	
		RCF3621STAM	35,400	25,200	10,200	15.10	12.50	1,075	
	R95TA0601317MSA	RCF3617STAM	35,000	24,500	10,500	14.50	12.20	1,000	
		RCF3621HTAM	36,000	25,100	10,900	16.00	13.00	1,075	
		RCF3621MTAM	36,000	25,100	10,900	15.50	13.00	1,050	
		RCF3621STAM	35,000	24,500	10,500	14.50	12.20	1,025	
	R95TA0701317MSA	RCF3617STAM	34,800	24,300	10,500	14.50	12.20	1,025	
		RCF3621HTAM	36,000	25,100	10,900	16.00	13.00	1,075	
		RCF3621MTAM	36,000	25,100	10,900	15.50	13.00	1,075	
		RCF3621STAM	34,600	23,800	10,800	15.00	12.50	925	
	R95TA1151524MSA	RCF3624MTAM	36,000	25,100	10,900	15.50	13.00	1,275	

*AHRI #'s to be available in January 2015.

[] Designates Metric Conversions

Performance Data @ AHRI Standard Conditions – Cooling (con't.)

R95T Furnace Ratings									
Outdoor Unit	Furnace	Indoor Coil	Total Capacity BTU/H [kW]	Net Sensible BTU/H [kW]	Net Latent BTU/H [kW]	SEER	EER	Indoor CFM [L/s]	AHRI#*
RA1642	R95TA0401317MSA	RCF4821MTAM	41,000	27,000	14,000	16.00	13.00	1,125	
		RCF4821STAM	40,000	27,500	12,500	15.50	13.00	1,100	
	R95TA0601317MSA	RCF4821MTAM	41,000	27,700	13,300	15.10	12.50	1,250	
		RCF4821STAM	40,500	28,700	11,800	14.50	12.20	1,225	
	R95TA0701317MSA	RCF4821MTAM	41,000	27,100	13,900	15.10	12.50	1,150	
		RCF4821STAM	40,000	27,400	12,600	15.10	12.50	1,075	
	R95TA0851521MSA	RCF4821MTAM	42,000	29,200	12,800	15.50	13.00	1,350	
		RCF4821STAM	41,000	29,800	11,200	15.10	12.50	1,325	
		RCF4824HTAM	42,000	31,100	10,900	16.00	13.00	1,350	
		RCF4824STAM	41,000	29,800	11,200	15.10	12.50	1,325	
	R95TA1001521MSA	RCF4821MTAM	42,000	29,600	12,400	15.50	13.00	1,425	
		RCF4821STAM	41,000	30,200	10,800	15.10	12.50	1,400	
		RCF4824HTAM	42,000	31,100	10,900	15.50	13.00	1,425	
		RCF4824STAM	41,000	30,200	10,800	15.10	12.50	1,400	
	R95TA1151524MSA	RCF4824HTAM	42,000	31,100	10,900	16.00	13.00	1,300	
		RCF4824STAM	40,500	29,000	11,500	15.10	12.50	1,275	
RA1648	R95TA0601317MSA	RCF4821MTAM	44,000	31,400	12,600	15.10	12.50	1,225	
	R95TA0701317MSA	RCF4821MTAM	44,000	31,200	12,800	15.10	12.50	1,200	
	R95TA0851521MSA	RCF4821MTAM	45,000	33,000	12,000	15.50	13.00	1,325	
		RCF4824HTAM	45,500	31,800	13,700	16.00	13.00	1,350	
	R95TA1001521MSA	RCF4821MTAM	45,000	33,500	11,500	15.50	13.00	1,400	
		RCF4824HTAM	46,000	32,800	13,200	16.00	13.00	1,425	
	R95TA1151524MSA	RCF4824HTAM	45,500	31,500	14,000	16.00	13.00	1,300	
		RCF4824STAM	44,000	30,300	13,700	15.50	13.00	1,275	
RA1660	R95TA0851521MSA	RCF6021MTAM	54,000	34,600	19,400	15.00	12.50	1,375	
		RCF6024HTAM	56,500	38,700	17,800	15.10	12.50	1,475	
		RCF6024STAM	56,500	38,700	17,800	15.10	12.50	1,475	
	R95TA1001521MSA	RCF6021MTAM	54,500	35,400	19,100	15.00	12.50	1,425	
		RCF6021STAM	55,000	35,600	19,400	15.00	12.50	1,400	
		RCF6024HTAM	56,500	39,100	17,400	15.10	12.50	1,550	
		RCF6024STAM	56,500	39,100	17,400	15.10	12.50	1,550	
	R95TA1151524MSA	RCF6024HTAM	56,000	37,800	18,200	15.10	12.50	1,425	
RCF6024STAM		56,000	37,800	18,200	15.10	12.50	1,425		

*AHRI #'s to be available in January 2015.

[] Designates Metric Conversions

Performance Data @ AHRI Standard Conditions – Cooling (con't.)

R96V Furnace Ratings									
Outdoor Unit	Furnace	Indoor Coil	Total Capacity BTU/H [kW]	Net Sensible BTU/H [kW]	Net Latent BTU/H [kW]	SEER	EER	Indoor CFM [L/s]	AHRI#*
RA1618	R96VA0402317MSA	RCF2417HTAM	18,000	13,500	4,500	16.00	13.00	675	
		RCF2417MTAM	18,000	13,500	4,500	16.00	13.00	675	
		RCF2417STAM	18,000	13,500	4,500	16.00	13.00	675	
		RCF2421HTAM	18,000	13,500	4,500	16.00	13.00	675	
		RCF2421MTAM	18,000	13,500	4,500	16.00	13.00	675	
	R96VA0602317MSA	RCF2417HTAM	18,000	13,500	4,500	16.00	13.00	650	
		RCF2417MTAM	18,000	13,500	4,500	16.00	13.00	650	
		RCF2417STAM	18,000	13,500	4,500	16.00	13.00	650	
		RCF2421HTAM	18,000	13,500	4,500	16.00	13.00	650	
		RCF2421MTAM	18,000	13,500	4,500	16.00	13.00	650	
	R96VA0702317MSA	RCF2417HTAM	18,000	13,500	4,500	16.00	13.00	650	
		RCF2417MTAM	18,000	13,500	4,500	16.00	13.00	650	
		RCF2417STAM	18,000	13,500	4,500	16.00	13.00	650	
		RCF2421HTAM	18,000	13,500	4,500	16.00	13.00	650	
		RCF2421MTAM	18,000	13,500	4,500	16.00	13.00	650	
RA1624	R96VA0402317MSA	RCF2417HTAM	24,000	17,500	6,500	15.50	13.00	875	
		RCF2417MTAM	24,000	17,500	6,500	15.50	13.00	875	
		RCF2417STAM	24,000	17,500	6,500	16.00	13.00	750	
		RCF2421HTAM	24,000	17,500	6,500	15.50	13.00	875	
		RCF2421MTAM	24,000	17,500	6,500	15.50	13.00	875	
	R96VA0602317MSA	RCF2417HTAM	24,000	17,500	6,500	15.50	13.00	850	
		RCF2417MTAM	24,000	17,500	6,500	15.50	13.00	775	
		RCF2417STAM	24,000	17,500	6,500	15.50	13.00	850	
		RCF2421HTAM	24,000	17,500	6,500	15.50	13.00	775	
		RCF2421MTAM	24,000	17,500	6,500	15.50	13.00	775	
	R96VA0702317MSA	RCF2417HTAM	24,000	17,500	6,500	16.00	13.00	775	
		RCF2417MTAM	24,000	17,500	6,500	15.50	13.00	875	
		RCF2417STAM	24,000	17,500	6,500	16.00	13.00	775	
		RCF2421HTAM	24,000	17,500	6,500	15.50	13.00	875	
		RCF2421MTAM	24,000	17,500	6,500	15.50	13.00	875	
	R96VA0852521MSB	RCF2421HTAM	24,000	17,500	6,500	15.50	13.00	825	
		RCF2421MTAM	24,000	17,500	6,500	15.50	13.00	825	
	R96VA1002521MSA	RCF2421HTAM	24,000	17,500	6,500	16.00	13.00	800	
RCF2421MTAM		24,000	17,500	6,500	16.00	13.00	800		
RA1630	R96VA0402317MSA	RCF3617STAM	28,600	21,500	7,100	16.00	13.00	950	
		RCF3621HTAM	30,000	22,800	7,200	16.00	13.00	1,025	
		RCF3621MTAM	29,600	20,700	8,900	16.00	13.00	925	
		RCF3621STAM	28,600	21,500	7,100	16.00	13.00	950	
	R96VA0602317MSA	RCF3617STAM	28,200	21,000	7,200	16.00	13.00	900	
		RCF3621HTAM	30,000	22,800	7,200	16.00	13.00	975	
		RCF3621MTAM	29,800	21,000	8,800	15.50	13.00	975	
		RCF3621STAM	28,400	21,200	7,200	16.00	13.00	900	
	R96VA0702317MSA	RCF3617STAM	28,600	21,500	7,100	16.00	13.00	950	
		RCF3621HTAM	30,000	22,800	7,200	16.00	13.00	1,050	
		RCF3621MTAM	29,400	20,300	9,100	16.00	13.00	875	
		RCF3621STAM	28,600	21,500	7,100	16.00	13.00	950	

*AHRI #'s to be available in January 2015.

[] Designates Metric Conversions

Performance Data @ AHRI Standard Conditions – Cooling (con't.)

R96V Furnace Ratings									
Outdoor Unit	Furnace	Indoor Coil	Total Capacity BTU/H [kW]	Net Sensible BTU/H [kW]	Net Latent BTU/H [kW]	SEER	EER	Indoor CFM [L/s]	AHRI#*
RA1630	R96VA0852521MSB	RCF3621HTAM	30,000	22,800	7,200	16.00	13.00	1,075	
		RCF3621MTAM	30,000	22,800	7,200	16.00	13.00	1,025	
		RCF3621STAM	29,000	22,200	6,800	16.00	13.00	1,025	
		RCF3624HTAM	30,000	22,800	7,200	16.00	13.00	1,075	
		RCF3624MTAM	30,000	22,800	7,200	16.00	13.00	1,025	
	R96VA1002521MSA	RCF3621HTAM	30,000	22,800	7,200	16.00	13.00	1,050	
		RCF3621MTAM	30,000	22,800	7,200	16.00	13.00	1,050	
		RCF3621STAM	29,000	22,100	6,900	16.00	13.00	1,000	
		RCF3624HTAM	30,000	22,800	7,200	16.00	13.00	1,050	
		RCF3624MTAM	30,000	22,800	7,200	16.00	13.00	1,050	
R96VA1152524MSA	RCF3624HTAM	30,000	22,800	7,200	16.00	13.00	1,050		
	RCF3624MTAM	30,000	22,800	7,200	16.00	13.00	1,050		
RA1636	R96VA0402317MSA	RCF3617STAM	34,800	24,100	10,700	15.10	12.50	950	
		RCF3621HTAM	36,000	25,100	10,900	16.00	13.00	1,125	
		RCF3621MTAM	36,000	25,100	10,900	16.00	13.00	1,025	
		RCF3621STAM	35,000	24,500	10,500	15.10	12.50	1,025	
	R96VA0602317MSA	RCF3617STAM	34,600	23,900	10,700	15.00	12.50	950	
		RCF3621HTAM	36,000	25,100	10,900	16.00	13.00	1,050	
		RCF3621MTAM	36,000	25,100	10,900	16.00	13.00	975	
		RCF3621STAM	34,800	24,100	10,700	15.10	12.50	950	
	R96VA0702317MSA	RCF3617STAM	34,800	24,100	10,700	15.10	12.50	950	
		RCF3621HTAM	36,000	25,100	10,900	16.00	13.00	1,150	
		RCF3621MTAM	36,000	25,100	10,900	16.00	13.00	1,050	
		RCF3621STAM	34,800	24,100	10,700	15.10	12.50	950	
	R96VA0852521MSB	RCF3621HTAM	36,000	25,100	10,900	16.00	13.00	1,275	
		RCF3621MTAM	36,000	25,100	10,900	16.00	13.00	1,225	
		RCF3621STAM	35,800	25,900	9,900	15.10	12.50	1,150	
		RCF3624HTAM	36,000	25,100	10,900	16.00	13.00	1,275	
		RCF3624MTAM	36,000	25,100	10,900	16.00	13.00	1,225	
	R96VA1002521MSA	RCF3621HTAM	36,000	25,100	10,900	16.00	13.00	1,250	
		RCF3621MTAM	36,000	25,100	10,900	16.00	13.00	1,250	
		RCF3621STAM	35,200	24,700	10,500	15.50	13.00	1,000	
		RCF3624HTAM	36,000	25,100	10,900	16.00	13.00	1,250	
		RCF3624MTAM	36,000	25,100	10,900	16.00	13.00	1,250	
	R96VA1152524MSA	RCF3624HTAM	36,000	25,100	10,900	16.00	13.00	1,250	
		RCF3624MTAM	36,000	25,100	10,900	16.00	13.00	1,250	
RA1642	R96VA0402317MSA	RCF4821MTAM	41,000	27,000	14,000	15.50	13.00	1,125	
		RCF4821STAM	40,000	27,700	12,300	15.50	13.00	1,125	
	R96VA0602317MSA	RCF4821MTAM	41,000	27,000	14,000	15.50	13.00	1,125	
		RCF4821STAM	40,000	27,700	12,300	15.10	12.50	1,125	
	R96VA0702317MSA	RCF4821MTAM	41,000	27,100	13,900	15.50	13.00	1,150	
		RCF4821STAM	40,000	27,800	12,200	15.50	13.00	1,150	
	R96VA0852521MSB	RCF4821MTAM	41,500	28,300	13,200	16.00	13.00	1,275	
		RCF4821STAM	41,000	29,500	11,500	15.50	13.00	1,275	
RCF4824HTAM		42,000	31,100	10,900	16.00	13.00	1,300		
RCF4824STAM		41,000	29,500	11,500	15.50	13.00	1,275		

*AHRI #'s to be available in January 2015.

[] Designates Metric Conversions

Performance Data @ AHRI Standard Conditions – Cooling (con't.)

R96V Furnace Ratings										
Outdoor Unit	Furnace	Indoor Coil	Total Capacity BTU/H [kW]	Net Sensible BTU/H [kW]	Net Latent BTU/H [kW]	SEER	EER	Indoor CFM [L/s]	AHRI#*	
RA1642	R96VA1002521MSA	RCF4821MTAM	41,500	28,200	13,300	16.00	13.00	1,250		
		RCF4821STAM	41,000	29,300	11,700	15.50	13.00	1,250		
		RCF4824HTAM	42,000	31,100	10,900	16.00	13.00	1,400		
		RCF4824STAM	41,000	29,300	11,700	15.50	13.00	1,250		
	R96VA1152524MSA	RCF4824HTAM	42,000	31,100	10,900	16.00	13.00	1,450		
		RCF4824STAM	41,000	29,300	11,700	16.00	13.00	1,250		
RA1648	R96VA0852521MSB	RCF4821MTAM	44,500	31,900	12,600	16.00	13.00	1,225		
		RCF4821STAM	44,000	30,400	13,600	15.50	13.00	1,300		
		RCF4824HTAM	45,500	31,800	13,700	16.00	13.00	1,350		
		RCF4824STAM	44,000	30,400	13,600	15.50	13.00	1,300		
	R96VA1002521MSA	RCF4821MTAM	44,500	32,100	12,400	16.00	13.00	1,250		
		RCF4821STAM	44,000	30,700	13,300	15.50	13.00	1,350		
		RCF4824HTAM	46,000	33,100	12,900	16.00	13.00	1,475		
		RCF4824STAM	44,000	30,700	13,300	15.50	13.00	1,350		
	R96VA1152524MSA	RCF4824HTAM	47,000	34,700	12,300	16.00	13.00	1,575		
		RCF4824STAM	44,500	31,200	13,300	16.00	13.00	1,350		
	RA1660	R96VA0852521MSB	RCF6024HTAM	57,000	40,000	17,000	15.10	12.50	1,575	
			RCF6024STAM	57,000	40,000	17,000	15.10	12.50	1,575	
R96VA1002521MSA		RCF6021MTAM	54,500	35,300	19,200	15.10	12.50	1,400		
		RCF6021STAM	55,000	35,600	19,400	15.10	12.50	1,400		
		RCF6024HTAM	57,000	39,600	17,400	15.10	12.50	1,550		
		RCF6024STAM	57,000	39,600	17,400	15.10	12.50	1,550		
R96VA1152524MSA		RCF6024HTAM	57,500	40,500	17,000	15.50	13.00	1,575		
		RCF6024STAM	57,500	40,500	17,000	15.50	13.00	1,575		

*AHRI #'s to be available in January 2015.

[] Designates Metric Conversions

Performance Data @ AHRI Standard Conditions – Cooling (con't.)

Air Handler Ratings								
Air Handler	Air Handler	Total Capacity BTU/H [kW]	Net Sensible BTU/H [kW]	Net Latent BTU/H [kW]	SEER	EER	Indoor CFM [L/s]	AHRI#*
RA1618	RF1P1821SPAN	18,000	13,500	4,500	15.50	13.00	550	
	RF1T2421MTAN	18,000	13,500	4,500	16.00	13.00	625	
	RH1P1817STAN	18,000	13,500	4,500	15.00	12.50	600	
	RH1T2417STAN	18,000	13,500	4,500	16.00	13.00	600	
	RH1V2417STAN	18,000	13,500	4,500	16.00	13.00	650	
RA1624	RF1T2421MTAN	24,000	17,500	6,500	15.50	13.00	800	
	RH1P2417STAN	24,000	17,500	6,500	14.50	12.20	800	
	RH1T2417STAN	24,000	17,500	6,500	16.00	13.00	800	
	RH1V2417STAN	24,000	17,500	6,500	16.00	13.00	850	
	RH2T2421MTAN	24,000	17,500	6,500	16.00	13.00	700	
	RH2V2421HTAC	24,000	17,500	6,500	16.00	13.00	800	
RA1630	RF1T3624MTAN	30,000	22,800	7,200	15.50	13.00	1,025	
	RH1P3017STAN	28,400	21,400	7,000	15.00	12.50	975	
	RH1T3621MTAN	30,000	22,800	7,200	16.00	13.00	1,000	
	RH1V3617STAN	29,000	22,200	6,800	16.00	13.00	1,025	
	RH1V3621MTAN	30,000	22,800	7,200	16.00	13.00	1,000	
RA1636	RF1P3624MTAN	36,000	25,100	10,900	14.50	12.20	1,100	
	RF1P3624SPAN	36,000	25,100	10,900	14.50	12.20	1,100	
	RF1T3624MTAN	36,000	25,100	10,900	16.00	13.00	1,025	
	RH1P3017STAN	34,600	23,900	10,700	14.50	12.20	950	
	RH1P3617STAN	35,200	25,100	10,100	14.00	12.20	1,100	
	RH1P3621STAN	35,200	25,100	10,100	14.00	12.20	1,100	
	RH1T3621MTAN	36,000	25,100	10,900	16.00	13.00	1,175	
	RH1V3617STAN	35,200	24,700	10,500	15.50	13.00	1,025	
	RH1V3621MTAN	36,000	25,100	10,900	16.00	13.00	1,200	
	RH2V3624HTAC	36,000	25,100	10,900	16.00	13.00	1,200	
RA1642	RH1P4221STAN	40,500	29,300	11,200	14.50	12.20	1,325	
	RH1T4821STAN	41,500	30,700	10,800	16.00	13.00	1,400	
	RH1V4821STAN	41,500	30,700	10,800	15.50	13.00	1,400	
	RH2T4824MTAN	42,000	31,100	10,900	16.00	13.00	1,400	
RA1648	RH1T4821STAN	45,000	32,000	13,000	16.00	13.00	1,400	
	RH1P4821STAN	44,500	32,200	12,300	14.50	12.00	1,500	
	RH1T4824STAN	45,500	33,500	12,000	16.00	13.00	1,550	
	RH1V4821STAN	44,500	31,500	13,000	16.00	13.00	1,400	
	RH2T4824MTAN	46,500	33,100	13,400	16.00	13.00	1,400	
	RH2V4824HTAC	47,000	34,900	12,100	16.00	13.00	1,600	
RA1660	RH1T6024STAN	58,000	41,200	16,800	16.00	13.00	1,600	
	RH1V6024STAN	58,000	41,200	16,800	16.00	13.00	1,600	
	RH2T6024STAN	57,500	40,700	16,800	15.50	13.00	1,600	
	RH2V6024HTAC	58,500	42,700	15,800	15.50	13.00	1,725	

*AHRI #'s to be available in January 2015.

[] Designates Metric Conversions

GUIDE SPECIFICATIONS

General

System Description

Outdoor-mounted, air-cooled, split-system air conditioner composite base pan unit suitable for ground or rooftop installation. Unit consists of a hermetic compressor, an air-cooled coil, propeller-type condenser fan, suction and legend line service valve, and a control box. Unit will discharge supply air upward as shown on contract drawings. Unit will be used in a refrigeration circuit to match up to a coil unit.

Quality Assurance

- Unit will be rated in accordance with the latest edition of AHRI Standard 210.
- Unit will be certified for capacity and efficiency, and listed in the latest AHRI directory.
- Unit construction will comply with latest edition of ANSI/ASHRAE and with NEC.
- Unit will be constructed in accordance with UL standards and will carry the UL label of approval. Unit will have c-UL-us approval.
- Unit cabinet will be capable of withstanding ASTM B117 1000-hr salt spray test.
- Air-cooled condenser coils will be leak tested at 150 psig and pressure tested at 550 psig.
- Unit constructed in ISO9001 approved facility.

Delivery, Storage, and Handling

- Unit will be shipped as single package only and is stored and handled per unit manufacturer's recommendations.

Warranty (for inclusion by specifying engineer) — U.S. and Canada only.

Products

Equipment

Factory assembled, single piece, air-cooled air conditioner unit. Contained within the unit enclosure is all factory wiring, piping, controls, compressor, refrigerant charge R-410A, and special features required prior to field start-up.

Unit Cabinet

- Unit cabinet will be constructed of galvanized steel, bonderized, and coated with a powder coat paint.
- All units constructed with louver coil protection and corner post. Louver can be removed by removing one fastener per louver panel.

AIR-COOLED, SPLIT-SYSTEM AIR CONDITIONER

RA16

1-1/2 TO 5 NOMINAL TONS

Fans

- Condenser fan will be direct-drive propeller type, discharging air upward.
- Condenser fan motors will be totally enclosed, 1-phase type with class B insulation and permanently lubricated bearings. Shafts will be corrosion resistant.
- Fan blades will be statically and dynamically balanced.
- Condenser fan openings will be equipped with coated steel wire safety guards.

Compressor

- Compressor will be hermetically sealed.
- Compressor will be mounted on rubber vibration isolators.

Condenser Coil

- Condenser coil will be air cooled.
- Coil will be constructed of aluminum fins mechanically bonded to copper tubes.

Refrigeration Components

- Refrigeration circuit components will include liquid-line shutoff valve with sweat connections, vapor-line shutoff valve with sweat connections, system charge of R-410A refrigerant, and compressor oil.
- Unit will be equipped with filter drier for R-410A refrigerant for field installation.

Operating Characteristics

- The capacity of the unit will meet or exceed _____ Btuh at a suction temperature of _____ °F/°C. The power consumption at full load will not exceed _____ kW.
- Combination of the unit and the evaporator or fan coil unit will have a total net cooling capacity of _____ Btuh or greater at conditions of _____ CFM entering air temperature at the evaporator at _____ °F/°C wet bulb and _____ °F/°C dry bulb, and air entering the unit at _____ °F/°C.
- The system will have a SEER of _____ Btuh/watt or greater at DOE conditions.

Electrical Requirements

- Nominal unit electrical characteristics will be _____ v, single phase, 60 hz. The unit will be capable of satisfactory operation within voltage limits of _____ v to _____ v.
- Nominal unit electrical characteristics will be _____ v, three phase, 60 hz. The unit will be capable of satisfactory operation within voltage limits of _____ v to _____ v.
- Unit electrical power will be single point connection.
- Control circuit will be 24v.

Special Features

- Refer to section of this literature identifying accessories and descriptions for specific features and available enhancements.

GENERAL TERMS OF LIMITED WARRANTY*

Ruud 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 Parts
(Registration Required)Ten (10) Years



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

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PRINTED IN U.S.A. 12/14 QG FORM NO. A22-222