



Air

Standard Feature/Available SKUs
RA14 Series

Standard Feature Table

STANDARD FEATURES							
Feature	18	24	30	36	42	48	60
R-410a Refrigerant	✓	✓	✓	✓	✓	✓	✓
Maximum SEER	15.5	15	15.5	15.5	15	15	14
Maximum EER	13	13	13	13	13	13	12
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
RA1418AJ1NA	Classic® Series 1 1/2 ton 14 SEER Single-Stage Air Conditioner-208/230/1/60
RA1418AJ1NB	Classic® Series 1 1/2 ton 14 SEER Single-Stage Air Conditioner w/ High/Low Pressure-208/230/1/60
RA1424BJ1NA	Classic® Series 2 ton 14 SEER Single-Stage Air Conditioner-208/230/1/60
RA1424BJ1NB	Classic® Series 2 ton 14 SEER Single-Stage Air Conditioner w/ High/Low Pressure-208/230/1/60
RA1430AJ1NA	Classic® Series 2 1/2 ton 14 SEER Single-Stage Air Conditioner-208/230/1/60
RA1430AJ1NB	Classic® Series 2 1/2 ton 14 SEER Single-Stage Air Conditioner w/ High/Low Pressure-208/230/1/60
RA1436AC1NB	Classic® Series 3 ton 14 SEER Single-Stage Air Conditioner w/ High/Low Pressure-208/230/1/60
RA1436AD1NB	Classic® Series 3 ton 14 SEER Single-Stage Air Conditioner w/ High/Low Pressure-460/3/60
RA1436AJ1NA	Classic® Series 3 ton 14 SEER Single-Stage Air Conditioner-208/230/1/60
RA1436AJ1NB	Classic® Series 3 ton 14 SEER Single-Stage Air Conditioner w/ High/Low Pressure-208/230/1/60
RA1442AD1NB	Classic® Series 3 1/2 ton 14 SEER Single-Stage Air Conditioner w/ High/Low Pressure-460/3/60
RA1442CC1NB	Classic® Series 3 1/2 ton 14 SEER Single-Stage Air Conditioner w/ High/Low Pressure-208/230/1/60
RA1442CJ1NA	Classic® Series 3 1/2 ton 14 SEER Single-Stage Air Conditioner-208/230/1/60
RA1442CJ1NB	Classic® Series 3 1/2 ton 14 SEER Single-Stage Air Conditioner w/ High/Low Pressure-208/230/1/60
RA1448AC1NB	Classic® Series 4 ton 14 SEER Single-Stage Air Conditioner w/ High/Low Pressure-208/230/1/60
RA1448AD1NB	Classic® Series 4 ton 14 SEER Single-Stage Air Conditioner w/ High/Low Pressure-460/3/60
RA1448AJ1NA	Classic® Series 4 ton 14 SEER Single-Stage Air Conditioner-208/230/1/60
RA1448AJ1NB	Classic® Series 4 ton 14 SEER Single-Stage Air Conditioner w/ High/Low Pressure-208/230/1/60
RA1460CC1NB	Classic® Series 5 ton 14 SEER Single-Stage Air Conditioner w/ High/Low Pressure-208/230/1/60
RA1460CD1NB	Classic® Series 5 ton 14 SEER Single-Stage Air Conditioner w/ High/Low Pressure-460/3/60
RA1460CJ1NA	Classic® Series 5 ton 14 SEER Single-Stage Air Conditioner-208/230/1/60
RA1460CJ1NB	Classic® Series 5 ton 14 SEER Single-Stage Air Conditioner w/ High/Low Pressure-208/230/1/60



INTEGRATED HOME COMFORT

Physical Data

PHYSICAL DATA							
Model No.	RA1418	RA1424	RA1430	RA1436	RA1442	RA1448	RA1460
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	68	80	87	106	134	129	199
Compressor Type	Scroll						
Outdoor Coil							
Net face area – Outer Coil	9.1	11.1	12.1	14.8	17.3	18.9	28.27
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	20	20	24	24	26	26
Number of blades	2	2	2	3	3	2	3
Motor hp	1/10	1/8	1/8	1/6	1/5	1/5	1/3
CFM	2225	2295	2605	3105	4105	4264	5000
RPM	1075	1121	1075	850	833	820	795
watts	130	138	142	173	236	236	239
Shipping weight – lbs.	143	148	158	178	207	232	268
Operating weight – lbs.	122	141	151	171	200	221	261

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	25	25	30	35	45	50
Minimum circuit ampacity ³	13	15	17	19	23	27	35
Compressor							
Rated load amps	9.7	10.9	12.8	14.1	16.7	19.9	27.1
Locked rotor amps	48	62.9	64	77	109	109	110
Condenser Fan Motor							
Full load amps	0.6	0.8	0.8	0.8	1.2	1.2	1
Locked rotor amps	1.1	1.5	1.4	1.5	2.0	2.3	1
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	—	—	—	20	25	30	25
Minimum circuit ampacity ³	—	—	—	13	16	18	24
Compressor							
Rated load amps	—	—	—	9	11.2	13.1	17.8
Locked rotor amps	—	—	—	71	84	83.1	110
Condenser Fan Motor							
Full load amps	—	—	—	0.8	1.2	1.2	1
Locked rotor amps	—	—	—	1.5	3.0	2.3	2.6
Line Voltage Data (Volts-Phase-Hz)	—	—	—	480-3-60	480-3-60 RA1442AD	480-3-60	480-3-60 RA1460CD
Maximum overcurrent protection (amps) ²	—	—	—	15	—	15	15
³ Minimum circuit ampacity	—	—	—	8	—	9	12
Compressor							
Rated load amps	—	—	—	5.6	—	6.1	8.6
Locked rotor amps	—	—	—	38	—	41	60
Condenser Fan Motor							
Full load amps	—	—	—	0.5	—	0.6	0.5
Locked rotor amps	—	—	—	1.1	—	1.6	1.4

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 or fuse.

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

Accessories

Model No.		RA1418	RA1424	RA1430	RA1436	RA1442	RA1448	RA1460
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
Compressor time delay		RXMD-B01	RXMD-B01	RXMD-B01	RXMD-B01	RXMD-B01	RXMD-B01	RXMD-B01
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	200RD2T3TVLC	200RD2T3TVLC	200RD2T3TVLC	200RD2T3TVLC	200RD2T3TVLC	200RD3T3TVLC	200RD3T3TVLC
	Solenoid Coil	61-AMG24V	61-AMG24V	61-AMG24V	61-AMG24V	61-AMG24V	61-AMG24V	61-AMG24V
Liquid Line Solenoid (120/240 VAC, 50/60 Hz)	Solenoid Valve	200RD2T3TVLC	200RD2T3TVLC	200RD2T3TVLC	200RD2T3TVLC	200RD2T3TVLC	200RD3T3TVLC	200RD3T3TVLC
	Solenoid Coil	61-AMG120/240V	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.

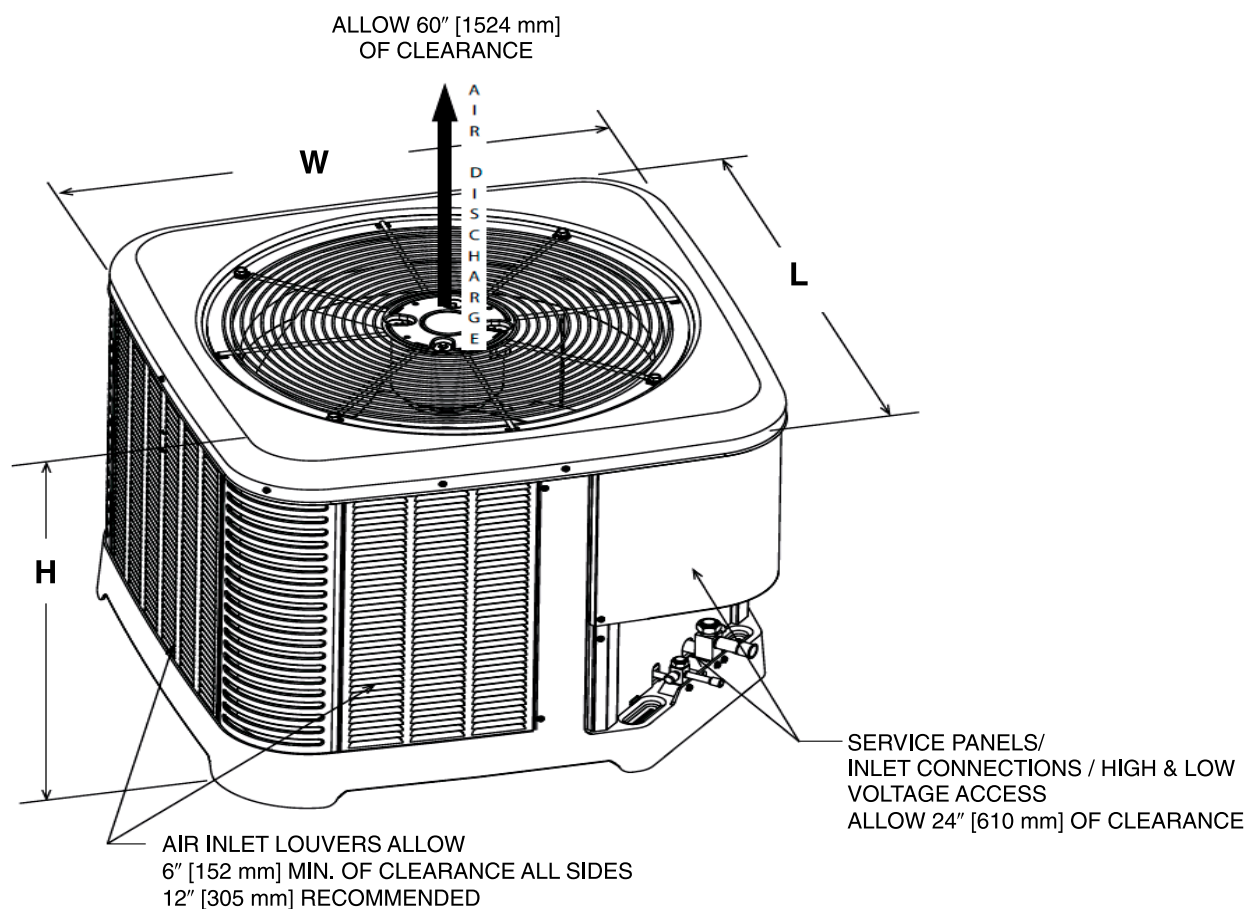
Weighted Sound Power Level (dBA)

A-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
RA1418	76.0	51.4	59.6	65.2	65.9	64.3	58.5	53.7
RA1424	75.0	50.0	59.5	63.2	64.4	61.4	56.8	52.6
RA1430	74.0	48.8	57.5	63.5	64	61.9	56.1	51
RA1436	76.0	52.2	61.3	65.4	65.3	62.4	57.3	53.1
RA1442	73.0	51.5	54.7	63.5	63.3	59.4	54.9	48.4
RA1448	76.0	52.3	59.1	66.7	65.7	62.4	59.3	55.9
RA1460	74.8	62.4	58.7	64.5	64.9	60.7	55.3	50.2

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

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
RA1418	25	635	29.75	755	29.75	755	26.75	679	32.38	822	32.38	822
RA1424	25	635	29.75	755	29.75	755	26.75	679	32.38	822	32.38	822
RA1430	27	685	29.75	755	29.75	755	28.75	730	32.38	822	32.38	822
RA1436	27	685	33.75	857	33.75	857	28.75	730	36.38	924	36.38	924
RA1442	35	889	33.75	857	33.75	857	36.75	933	36.38	924	36.38	924
RA1448	31	787	35.75	908	35.75	908	32.75	832	38.38	975	38.38	975
RA1460	45	1143	35.75	908	35.75	908	45.38	1153	38.25	972	38.25	972



[] Designates Metric Conversions

ST-A1226-02-00