Century®

SE Series

STANDARD FEATURES:

- R410A chlorine-free refrigerant
- Energy-efficient compressor
- Internal protection against high temperature motor overload conditions
- High quality copper tube and aluminum fin condenser
- Service valves with sweat connections and easy-access gauge ports
- Factory-installed high pressure switch and low pressure switch
- AHRI certified and ETL listed
- Filter drier included

CABINET FEATURES:

- Unique top design for sound control
- Compact design, easy installation, and transportation
- Powder-coated galvanized steel cabinet
- Wire fan grille
- Steel louver coil guard

For the latest AHRI system matches, please visit AHRIdirectory.org

RSA14 SERIES

SPLIT SYSTEM AIR CONDITIONER

Up to 14.3 SEER2

Cooling Capacity: 18 - 60 kBtu/h



AHRI CERTIFIED

Intertek

Warranty–5 years on parts, 10 years on compressor
Ext. Warranty–10 years on parts, 10 years on compressor
(Some limitations apply; see printed warranty for details.)
www.century-hvac.com

R-410A

MODEL NUMBER GUIDE

R	S	A	14	18	S	1	A
Residential	Split	Air Conditioning	SEER 2	Capacity BTUH x 1000	SE Series	Power 1 = 208/230-1-60	Revision Level

SPECIFICATIONS

SPECIFICATIONS	RSA1418S1A	RSA1424S1A	RSA1430S1A	RSA1436S1A
NOMINAL CAPACITY				
Cooling (BTU/h)	18,000	24,000	30,000	36,000
ELECTRICAL DATA				
Voltage / Phase (60 Hz)	208/230 / 1	208/230 / 1	208/230 / 1	208/230 / 1
Min. / Max. Voltage	187/253	187/253	187/253	187/253
MCA	11.9	16.3	16.3	21.1
MOP	20	25	30	35
COMPRESSOR				
Type	Rotary	Rotary	Rotary	Rotary
Stage	Single	Single	Single	Single
RLA	8.2	11.8	11.8	15.1
LRA	35.0	43.0	58.0	72.0
CONDENSER COIL				
Type	Tube & Fin	Tube & Fin	Tube & Fin	Tube & Fin
Tube Size (O.D)	9/32	3/16	3/16	3/16
FAN MOTOR				
Motor Type	ECM	ECM	ECM	ECM
Capacitor (uF)	/	/	/	/
Horsepower (HP)	1-1/6	1-1/6	1-1/6	1-1/3
Full Load Amps (FLA)	1.6	1.6	1.6	2.2
REFRIGERATION SYSTEM				
Liquid Valve Size (O.D.)	3/8	3/8	3/8	3/8
Valve Size (O.D.)	3/4	3/4	3/4	3/4
Liquid Line Size (O.D.)	3/8	3/8	3/8	3/8
Suction Line Size (O.D.)	3/4	3/4	3/4	3/4
Refrigerant Charge (lbs. - oz.)	4 lbs.-4 oz	5 lbs	5 lbs.-12 oz	5 lbs.-12 oz
Superheat (°F)	9 °F	9 °F	9 °F	9 °F
OPERATION RANGE				
Cooling (°F)	55-115	55-115	55-115	55-115
Sound Power (dB)	69	72	75	76

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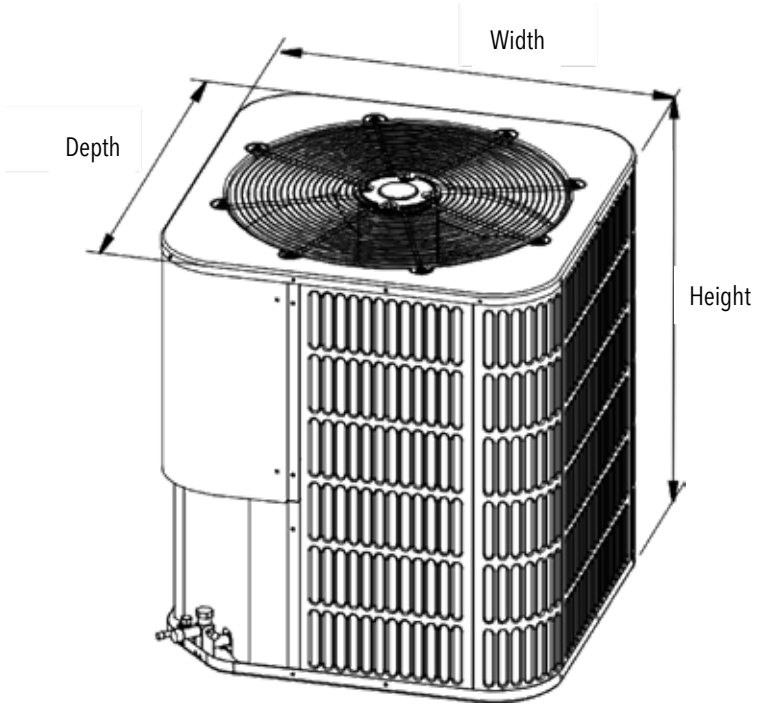
SPECIFICATIONS	RSA1442S1A	RSA1448S1A	RSA1460S1A
NOMINAL CAPACITY			
Cooling (BTU/h)	42,000	48,000	60,000
ELECTRICAL DATA			
Voltage / Phase (60 Hz)	208/230 / 1	208/230 / 1	208/230 / 1
Min. / Max. Voltage	187/253	187/253	187/253
MCA	24.8	29.7	38.6
MOP	40	50	60
COMPRESSOR			
Type	Scroll	Scroll	Scroll
Stage	Single	Single	Single
RLA	18.5	22.4	29.5
LRA	112.3	108	127.9
CONDENSER COIL			
Type	Tube & Fin	Tube & Fin	Micro-channel
Tube Size (O.D)	3/16	3/16	-
FAN MOTOR			
Motor Type	PSC	PSC	PSC
Capacitor (uF)	15	15	15
Horsepower (HP)	1-1/3	1-1/3	1-1/3
Full Load Amps (FLA)	1.7	1.7	1.7
REFRIGERATION SYSTEM			
Liquid Valve Size (O.D.)	3/8	3/8	3/8
Valve Size (O.D.)	3/4	7/8	7/8
Liquid Line Size (O.D.)	3/8	3/8	3/8
Suction Line Size (O.D.)	3/4	7/8	1-1/8
Refrigerant Charge (lbs. - oz.)	7 lbs. - 9oz	7 lbs. - 12oz	8 lbs. - 3oz
Superheat (°F)	9 °F	9 °F	9 °F
OPERATION RANGE			
Cooling (°F)	55-115	55-115	55-115
Sound Power (dB)	77	78	81

Century®

SE Series



	RSA1418S1A	RSA1424S1A	RSA1430S1A	RSA1436S1A	RSA1442S1A	RSA1448S1A	RSA1460S1A
DIMENSIONS AND WEIGHTS							
Height (in.)	24-15/16	24-15/16	24-15/16	24-15/16	33-3/16	33-3/16	33-3/16
Width (in.)	23-5/8	23-5/8	28	29-1/8	28	28	29-1/8
Depth (in.)	23-5/8	23-5/8	28	29-1/8	28	28	29-1/8
Weight (lbs.)	108	119	136	147	191	189	200

	Where Used	Kit #	Purpose
System Accessories (indoor section)			
TXV Kit	18, 24, 30, 36	TR6-3TONNB	TXV's provide superior refrigerant flow control, comfort and efficiency compared to pistons
	42, 48	TR6-4TON	
	60	TR6-5TON	

"This product complies with all California product labeling laws including, but not limited to, the Safe Drinking Water and Toxic Enforcement Act of 1986, more commonly known as Proposition 65."

Due to ongoing product improvements, specifications and dimensions are subject to change and correction without notice or incurring obligations. Determining the application and suitability for use of any product is the responsibility of the installer. Additionally, the installer is responsible for verifying dimensional data on the actual product prior to beginning any installation preparations.

Third party incentive and rebate programs have precise requirements as to product performance and certification. All products meet applicable regulations in effect on date of manufacture; however, certifications are not necessarily granted for the life of a product. Therefore, it is the responsibility of the applicant to determine whether a specific model qualifies for these incentive/rebate programs.

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www.heatcontroller.com • www.century-hvac.com

HEAT CONTROLLER
Confidence in any climate
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CY-RSA14_SPEC 10/26