



## BUILDERS SERIES CONDENSERS FOR R-410A



**RSG-R SERIES**  
**13 SEER**  
**1 1/2 to 3 Tons**



*The RSG Series of high efficiency A/C condensers comes charged with R-410A, an environmentally friendly refrigerant.*

**Can be slab- or rooftop-mounted**

- **Micro-channel coils** are all aluminum for exceptional corrosion resistance
- **Louvered metal jacket** of galvanized steel with a polyester urethane finish protects the coil while adding to the attractive appearance
- **Permanently lubricated PSC motor** is quiet and reliable, requires no maintenance, and is protected from the elements
- **High pressure switch** protects against excessively high system pressures
- **Liquid line filter-drier** is included for field installation
- **Composite base pan** is stronger and lighter than steel, resists corrosion and absorbs sound
- **Heavy duty rotary compressors** are designed for long life and efficiency
- **Heavy duty grille assembly** makes it easy to access components from top for service without disconnecting fan motor, designed for maximum air flow and quiet operation
- **Compressor and control access** is conveniently located on the side of the unit to speed installation and service
- **Service ports** are conveniently located to simplify service

### **Outstanding Limited Warranty Coverage**

With registration within 90 days by original owner; other limitations apply: see printed warranty for details.

# HEAT CONTROLLER

**PERFORMANCE DATA—AHRI STANDARD CONDITIONS**

OUTDOOR MODEL	INDOOR MATCHES TO CONDENSERS		COOLING PERFORMANCE			NOM. AIR FLOW SCFM
	INDOOR TYPE	INDOOR MODEL	CAPACITY (BTUH)	EFFICIENCY		
				SEER	EER	
RSG1318R1E	ELEC.HEAT AIR HANDLER	HMG24F1E	18,000	13.0	11.0	605
RSG1324R1E		HMG24F1E	22,800	13.0	11.0	700
RSG1330R1E		HMG30F1E	28,800	13.0	11.0	915
RSG1336R1E		HMG42F1E	35,400	13.0	10.7	1225
RSG1318R1E	ELEC.HEAT AIR HANDLER W/ TXV & PSC	HMG24T1E	18,000	13.0	11.0	650
RSG1324R1E		HMG24T1E	24,000	13.0	11.0	740
RSG1330R1E		HMG30T1E	29,200	13.0	11.0	915
RSG1318R1E	WALL MOUNT AIR HANDLER/ ELEC. HEAT	FMG1805F1E	18,000	13.0	11.0	620
RSG1324R1E		FMG2405F1E, -08F1E, -10F1E	23,400	13.0	11.0	850
RSG1330R1E		FMG3005F1E, -08F1E, -10F1E	27,600	13.0	11.0	950
RSG1336R1E		FMG3605F1E, -08F1E, -10F1E	33,000	13.0	10.9	1080
RSG1318R1E	UPFLOW CASSED COIL	VCG24TA1E, -TB1E	17,100	13.0	10.0	600
RSG1324R1E		VCG24TA1E, -TB1E	22,800	13.0	10.0	800
RSG1330R1E		VCG36TA1E, -36TB1E, -36TC1E	27,800	13.0	10.9	1000
RSG1336R1E		VCG36TA1E, -36TB1E, -36TC1E	34,000	13.0	10.6	1200
RSG1318R1E	MULTI-POSITION CASSED COIL	MCG24TA1E, -TB1E	17,100	13.0	10.0	600
RSG1324R1E		MCG24TA1E, -TB1E	22,800	13.0	10.0	800
RSG1330R1E		MCG36TA1E, -36TB1E, -36TC1E	27,800	13.0	10.9	1000
RSG1336R1E		MCG36TA1E, -36TB1E, -36TC1E	34,000	13.0	10.6	1200
RSG1318R1E	UPFLOW/ DOWNFLOW UNCASSED COIL	CCG24TA1E, -TB1E	17,100	13.0	10.0	600
RSG1324R1E		CCG24TA1E, -TB1E	22,800	13.0	10.0	800
RSG1330R1E		CCG36TA1E, -36TB1E, -36TC1E	27,800	13.0	10.9	1000
RSG1336R1E		CCG36TA1E, -36TB1E, -36TC1E	34,000	13.0	10.6	1200

Coil Model	Cased Coil	Uncased Coil
XCGXXTA	14" width	13" width
XCGXXTB	17 <sup>1</sup> / <sub>2</sub> " width	16" width
XCGXXTC	21" width	19 <sup>1</sup> / <sub>2</sub> " width

**NOTE:** These combinations of indoor and outdoor units are certified by AHRI. See current AHRI directory for certified combinations and ratings: [www.ahridirectory.com](http://www.ahridirectory.com)

**MODEL NOMENCLATURE**

<b>R</b>	<b>S</b>	<b>G</b>	<b>13</b>	<b>24</b>	<b>R</b>	<b>1</b>	<b>E</b>
Residential Condenser	Split System	'Green' Gas R-410A	Minimum SEER	Capacity BTUH x 1000	R = Rotary Compressor	Power 0 = 115-1-60 1 = 208/230-1-60 2 = 208/230-3-60	Series/ Revision

## ELECTRICAL AND PHYSICAL DATA

			FEATURE	RSG1318R1E	RSG1324R1E	RSG1330R1E	RSG1336R1E
			Power Supply	208/230-1-60	208/230-1-60	208/230-1-60	208/230-1-60
Total Amps	8.2	10.3	10.8	16.4			
Delay Fuse Max.*	15	20	20	35			
Min. Circuit Ampacity	10.1	12.7	13.3	20.1			
Coil Area Sq. Ft.	10.0	10.0	10.0	13.3			
Coil Rows-FPI	1-23	1-23	1-23	1-23			
Coil Tube	Micro-Channel	Micro-Channel	Micro-Channel	Micro-Channel			
Fan Motor Type	PSC	PSC	PSC	PSC			
Fan Motor Amps	0.35	0.7	0.7	1.4			
Fan HP	0.05	0.1	0.1	0.25			
Fan SCFM	2600	2800	3000	3000			
Compressor RLA	7.8	9.6	10.1	15.0			
Compressor LRA	45	61	60	88			
Ref. Liquid Line OD	3/8"	3/8"	3/8"	3/8"			
Ref. Suction Line OD 15' to 24'	3/4"	3/4"	3/4"	3/4"			
Ref. Suction Line OD 25' to 75'	3/4"	3/4"	3/4"	7/8**			

### CONNECTIONS SIZES

MODEL	CONNECTION SIZE (inch ODA Female)	
	LIQUID	SUCTION
RSG1318R1E	3/8	3/4
RSG1324R1E	3/8	3/4
RSG1330R1E	3/8	3/4
RSG1336S1E	3/8	3/4

NOTE: Factory charged for 15' line set. Extra refrigerant needed for line sets over 15 feet (see IOM).

\*HACR type circuit breaker may be used.

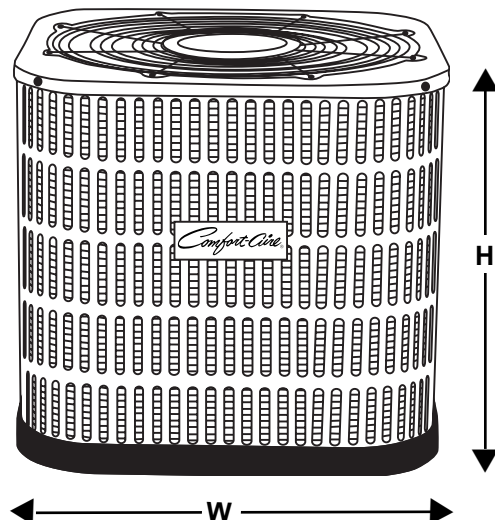
\*\*Requires 7/8" to 3/4" reducer from line to unit.

## UNIT DIMENSIONS

DIMENSION	RSG1318R1E	RSG1324R1E	RSG1330R1E	RSG1336R1E
HEIGHT	27½	27½	27½	35½
WIDTH	22¾	22¾	22¾	22¾
DEPTH	22¾	22¾	22¾	22¾
WEIGHT NET/SHIPPING	109/114	113/118	116/121	135/140

## ACCESSORIES

PART NO.	DESCRIPTION
912933	Start Assist Kit—for extra starting torque when operating in low line voltage or high operating temperature conditions
920900	Extreme Wind Mounting Kit



## A FULL LINE FOR HEATING AND COOLING



Comfort-Aire offers a full line of products for heating and cooling. All are quality constructed and energy efficient for comfort throughout the year. The compact size of our A/C condensers, heat pumps, furnaces, air handlers and coils makes them ideal for replacements; for a complete system, they are matched to each other by capacity and certified as a system by AHRI. And, of course, all units are backed by exceptional warranty coverage and after-sales support.

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 the product. Therefore, it is the responsibility of the applicant to determine whether a specific model qualifies for any third party incentive/rebate programs.

# HEAT CONTROLLER

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