

# Comfort-Cire®

## 13 SEER CONDENSERS FOR R-410A



### RSG13 SERIES 1.5 to 5 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 scroll 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—12 years compressor, 12 years other parts!**

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

**MARS®**  
Delivering Confidence

## PERFORMANCE DATA—AHRI STANDARD CONDITIONS

INDOOR/OUTDOOR MATCHES			COOLING PERFORMANCE			AIR FLOW SCFM
INDOOR TYPE	OUTDOOR MODEL	INDOOR MODEL	CAPACITY (BTUH)	EFFICIENCY		
			TOTAL	SEER	EER	
AIR HANDLER OPT. ELECTRIC HEAT	RSG1318S1E	HMG24F1E	18,000	13.0	10.5	605
	RSG1324S1E	HMG24F1E	23,000	13.0	10.5	700
	RSG1330S1E	HMG30F1E	28,400	13.0	10.5	920
	RSG1336S1E	HMG36F1E	35,000	13.0	10.5	1160
	RSG1342S1E	HMG42F1E	40,000	13.0	10.5	1370
	RSG1348S1E	HMG48F1E	47,500	13.0	10.5	1630
	RSG1360S1E	HMG60F1E	57,500	13.0	10.5	1950
AIR HANDLER WITH TXV AND PSC DRIVE	RSG1318S1E	HMG24T1E	18,000	13.0	11.0	545
	RSG1324S1E	HMG24T1E	24,000	13.0	11.0	735
	RSG1330S1E	HMG30T1E	30,000	13.0	11.0	1000
	RSG1336S1E	HMG36T1E	36,000	13.0	11.0	1270
	RSG1342S1E	HMG42T1E	40,000	13.0	11.0	1400
	RSG1348S1E	HMG48T1E	48,000	13.0	11.0	1640
	RSG1360S1E	HMG60T1E	56,500	13.0	11.0	1605
AIR HANDLER WITH TXV AND FIXED TORQUE	RSG1318S1E	HMG24X1E	17,900	14.0	12.2	670
	RSG1324S1E	HMG24X1E	23,800	14.0	12.0	740
	RSG1330S1E	HMG30X1E	28,600	14.0	12.2	960
	RSG1336S1E	HMG36X1E	36,200	14.0	12.0	1155
	RSG1342S1E	HMG42X1E	40,500	14.0	12.2	1265
		HMG48X1E	40,000	14.0	12.2	1465
	RSG1348S1E	HMG48X1E	46,500	14.0	11.0	1430
RSG1360S1E	HMG60X1E	56,500	14.0	11.0	1605	
AIR HANDLER WITH TXV AND ECM DRIVE	RSG1318S1E	HCG24V1E	18,200	13.5	11.0	550
	RSG1324S1E	HCG24V1E	24,200	13.5	11.0	700
	RSG1330S1E	HCG30V1E	29,800	13.5	11.0	950
	RSG1336S1E	HCG36V1E	36,600	14.0	12.2	1100
	RSG1342S1E	HCG42V1E, HCG48V1E	41,000	14.0	12.0	1250
	RSG1348S1E	HCG48V1E	48,000	14.0	12.0	1400
	RSG1360S1E	HCG60V1E	55,500	13.5	11.0	1600
WALL MOUNT AIR HANDLER	RSG1318S1E	FMG1805F1E, -1808F1E	17,200	13.0	11.0	600
	RSG1324S1E	FMG2405F1E, -2408F1E, -2410F1E	22,800	13.0	10.5	800
	RSG1330S1E	FMG3005F1E, -3008F1E, -3010F1E	27,600	13.0	10.5	950
	RSG1336S1E	FMG3605F1E, -3608F1E, -3610F1E	34,200	13.0	10.5	1100

**NOTE:** The combinations of indoor and outdoor units shown in this brochure are certified by AHRI; see the current AHRI Directory for all certified combinations and ratings: [www.ahridirectory.com](http://www.ahridirectory.com)

### ACCESSORY

PART NO.	DESCRIPTION
912933	Start Assist Kit—for extra starting torque when operating in low line voltage or high operating temperatures

### MODEL NOMENCLATURE

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

**PERFORMANCE DATA-AHRI STANDARD CONDITIONS**

INDOOR/OUTDOOR MATCHES			COOLING PERFORMANCE				AIR FLOW SCFM
INDOOR TYPE	OUTDOOR MODEL	INDOOR MODEL	CAPACITY (BTUH)		EFFICIENCY		
			TOTAL	SENS.	SEER	EER	
UPFLOW CASED COIL	RSG1318S1E	VCG24TA1E, -TB1E	17,100	14,074	13.0	11.1	600
	RSG1324S1E	VCG24TA1E, -TB1E	22,800	18,478	13.0	11.0	800
	RSG1330S1E	VCG36TA1E, -36TB1E, -36TC1E	28,000	22,457	13.0	10.9	1000
	RSG1336S1E	VCG36TA1E, -36TB1E, -36TC1E	34,000	26,846	13.0	11.4	1200
	RSG1342S1E	VCG48TB1E, -48TC1E, -48TD1E	39,500	31,366	13.0	10.8	1400
	RSG1348S1E	VCG48TB1E, -48TC1E, -48TD1E	44,500	35,308	13.0	10.0	1600
	RSG1360S1E	VCG60TC1E, -60TD1E	53,500	36,915	13.0	10.7	2000
MULTI-POSITION CASED COIL	RSG1318S1E	MCG24TA1E, -TB1E	17,100	14,074	13.0	11.1	600
	RSG1324S1E	MCG24TA1E, -TB1E	22,800	18,478	13.0	11.0	800
	RSG1330S1E	MCG36TA1E, -36TB1E, -36TC1E	28,000	22,457	13.0	10.9	1000
	RSG1336S1E	MCG36TA1E, -36TB1E, -36TC1E	34,000	26,846	13.0	11.4	1200
	RSG1342S1E	MCG48TB1E, -48TC1E, -48TD1E	39,500	31,366	13.0	10.8	1400
	RSG1348S1E	MCG48TB1E, -48TC1E, -48TD1E	44,500	35,308	13.0	10.0	1600
	RSG1360S1E	VCG60TC1E, -60TD1E	53,500	36,915	13.0	10.7	2000
UPFLOW/ DOWNFLOW UNCASED COIL	RSG1318S1E	CCG24TA1E, -TB1E	17,100	14,074	13.0	11.1	600
	RSG1324S1E	CCG24TA1E, -TB1E	22,800	18,478	13.0	11.0	800
	RSG1330S1E	CCG36TA1E, -36TB1E, -36TC1E	28,000	22,457	13.0	10.9	1000
	RSG1336S1E	CCG36TA1E, -36TB1E, -36TC1E	34,000	26,846	13.0	11.4	1200
	RSG1342S1E	CCG48TB1E, -48TC1E, -48TD1E	39,500	31,366	13.0	10.8	1400
	RSG1348S1E	CCG48TB1E, -48TC1E, -48TD1E	44,500	35,308	13.0	10.0	1600
	RSG1360S1E	VCG60TC1E, -60TD1E	53,500	36,915	13.0	10.7	2000

COIL WIDTH: XCGXXTA 14" Cased, 13" Uncased      COIL WIDTH: XCGXXTC 21" Cased, 19 1/2" Uncased  
 XCGXXTB 17 1/2" Cased, 16" Uncased      XCGXXTD 24 1/2" Cased, 23" Uncased

INDOOR/OUTDOOR MATCHES			COOLING PERFORMANCE			AIR FLOW SCFM
INDOOR TYPE	OUTDOOR MODEL	INDOOR MODEL	CAPACITY(BTUH)	EFFICIENCY		
			TOTAL	SEER	EER	
HYDRONIC AIR HANDLER	RSG1318S1E	HWCG24T0A	17,400	13.0	10.8	600
		HWCG24X0A	17,400	13.5	10.8	600
		HWCG30X0A	18,000	14.0	11.1	600
	RSG1324S1E	HWCG24T0A	24,000	13.0	10.8	800
		HWCG24X0A	24,000	13.5	10.8	800
		HWCG30X0A	24,000	14.0	11.2	800
	RSG30S1E	HWCG30T0A	29,400	13.0	11.0	950
		HWCG30X0A	30,000	14.0	11.0	950
	RSG1336S1E	HWCG36T0A	34,800	13.0	10.8	1145
		HWCG42X0A	36,000	13.5	11.0	1145
	RSG1342S1E	HWCG42X0A	41,000	14.0	11.0	1145
		HWCG48T0A	40,000	13.0	10.9	1145
	RSG1348S1E	HWCG48X0A	41,000	14.0	11.0	1145
		HWCG48T0A	46,500	13.0	10.8	1585
		HWCG48X0A	48,000	13.5	11.0	1585
		HWCG60T0A	47,000	13.0	10.8	1585
	RSG1360S1E	HWCG60X0A	48,000	13.5	11.0	1585
		HWCG60T0A	54,000	13.0	10.7	1600
		HWCG60X0A	56,000	13.5	10.9	1600

## LINE SIZES and COMPRESSOR

MODEL	CONNECTION SIZE (inch ODA Female)		STANDARD LINE SIZE (inch OD)			COMPRESSOR TYPE
	LIQUID	SUCTION	LIQUID	SUCTION		
				24' & under	over 24'	
RSG1318S1E	3/8	3/4	3/8	3/4	3/4	Scroll
RSG1324S1E	3/8	3/4	3/8	3/4	3/4	Scroll
RSG1330S1E	3/8	3/4	3/8	3/4	3/4	Scroll
RSG1336S1E	3/8	3/4	3/8	3/4	7/8*	Scroll
RSG1342S1E	3/8	7/8	3/8	7/8	7/8	Scroll
RSG1348S1E	3/8	7/8	3/8	7/8	7/8	Scroll
RSG1360S1E	3/8	7/8	3/8	7/8	1-1/8 **	Scroll

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

\*\*Requires 1-1/8" to 7/8" reducer from line to unit.

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

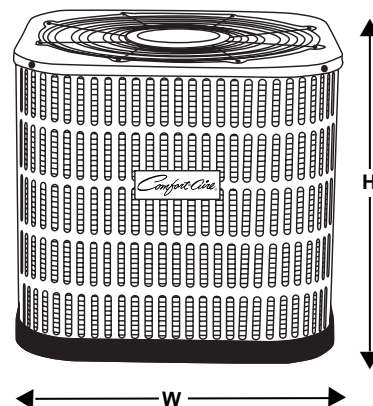
## ELECTRICAL AND PHYSICAL DATA

MODEL	RSG1318	RSG1324	RSG1330	RSG1336	RSG1342	RSG1348	RSG1360
Power	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
Total Amps	9.3	13.5	14.8	18.0	19.4	23.2	27.8
Delay Fuse Max.*	20	25	30	35	40	50	60
Min. Circ. Ampacity	11.6	16.7	18.3	22.2	23.9	28.7	34.4
Coil Area Sq. Ft.	8.3	8.3	10.0	10.0	15.3	15.3	17.9
Coil Rows-FPI	1-18	1-18	1-18	1-18	1-18	1-18	1-18
Coil Tube Dia.	Micro-Channel						
Fan Motor Type	PSC	PSC	PSC	PSC	PSC	PSC	PSC
Fan Motor Amps	0.35	0.7	0.7	1.4	1.5	1.5	1.5
Fan HP	0.05	0.1	0.1	0.25	0.25	0.25	0.25
Fan SCFM	2600	2800	3000	3000	3500	3500	3800
Compressor RLA	9.0	12.8	14.1	16.6	17.9	21.8	26.4
Compressor LRA	48	58.3	73	79	112	117	134

\*HACR type circuit breaker may be used.

## UNIT DIMENSIONS (in.)

DIMENSION	RSG1318	RSG1324	RSG1330	RSG1336	RSG1342	RSG1348	RSG1360
HEIGHT	23 1/2	23 1/2	27 1/2	27 1/2	27 1/2	27 1/2	31 1/2
WIDTH	22 3/4	22 3/4	22 3/4	22 3/4	30 3/4	30 3/4	30 3/4
DEPTH	22 3/4	22 3/4	22 3/4	22 3/4	30 3/4	30 3/4	30 3/4
WEIGHT (lbs)	109/114	125/130	138/144	140/146	179/187	179/187	188/197



**Design, specifications, performance data and materials subject to change without notice.**

*Comfort-Aire*®

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