



14 SEER CONDENSERS FOR R-410A

- **Micro-channel coils** are highly corrosion resistant, easier to clean and stronger than tube and fin coils
- **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
- **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 speed installation and simplify service



**RSG14
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

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.



PERFORMANCE DATA—AHRI STANDARD CONDITIONS

INDOOR/OUTDOOR MATCHES			COOLING PERFORMANCE			AIR FLOW SCFM
INDOOR TYPE	OUTDOOR MODEL	INDOOR COIL MODEL	CAPACITY BTUH	SEER	EER	
AIR HANDLER WITH TXV AND VARIABLE SPEED DRIVE	RSG1418S1E	HCG24V1E	18,000	15.0	12.5	555
	RSG1424S1E	HCG24V1E	24,000	15.0	12.5	750
	RSG1430S1E	HCG30V1E	30,000	15.0	12.5	980
	RSG1436S1E	HCG36V1E	35,600	15.0	12.5	1100
	RSG1442S1E	HCG42V1E	41,000	15.0	12.5	1250
		HCG48V1E	41,500	15.0	12.5	1400
	RSG1448S1E	HCG48V1E	46,500	15.0	12.0	1435
RSG1460S1F	HCG60V1E	58,000	15.0	11.7	1600	
AIR HANDLER WITH TXV AND PSC DRIVE	RSG1418S1E	HMG24T1E	18,000	14.0	12.2	600
	RSG1424S1E	HMG24T1E	23,600	14.0	12.2	715
	RSG1430S1E	HMG30T1E	30,000	14.0	12.2	945
	RSG1436S1E	—	—	—	—	—
	RSG1442S1E	HMG42T1E	40,500	14.0	12.2	1375
	RSG1448S1E	HMG48T1E	47,500	14.0	11.7	1670
	RSG1460S1F	HMG60T1E	58,000	14.0	11.7	1545
AIR HANDLER WITH TXV AND FIXED TORQUE DRIVE	RSG1418S1E	HMG24X1E	18,000	15.0	12.5	540
	RSG1424S1E	HMG24X1E	24,000	15.0	12.5	770
	RSG1430S1E	HMG30X1E	30,000	15.0	12.5	1000
	RSG1436S1E	HMG36X1E	35,000	15.0	12.5	1100
	RSG1442S1E	HMG42X1E	41,500	15.0	12.5	1255
	RSG1448S1E	HMG48X1E	46,000	15.0	12.0	1450
	RSG1460S1F	HMG60X1E	57,000	15.0	11.7	1535
WALL MOUNT AIR HANDLER ELEC. HEAT	RSG1418S1E	FMG1805X1E, -1808X1E	17,900	15.0	12.5	550
	RSG1424S1E	FMG2405X1E, -2408X1E, -2410X1E	23,600	15.0	12.5	820
	RSG1430S1E	FMG3005X1E, -3008X1E, -3010X1E	28,800	15.0	12.5	975
	RSG1436S1E	FMG3605X1E, -3608X1E, -3610X1E	33,600	15.0	12.5	1070
AIR HANDLER HYDRONIC WITH ECM BLOWER MOTOR	RSG1418S1E	HWC24X0A	17,400	15.0	12.2	600
		HWCG30X0A	18,000	14.0	11.10	600
	RSG1424S1E	HWCG24X0A	24,000	13.5	10.8	800
		HWCG30X0A	24,000	14.0	11.2	800
	RSG1430S1E	HWCG30X0A	30,000	14.0	11.0	950
	RSG1436S1E	HWCG42X0A	36,000	14.0	11.0	1145
	RSG1442S1E	HWCG42X0A, -48X0A	41,000	14.0	11.0	1145
RSG1448S1E	HWCG48X0A/-60X0A	48,000	14.0	11.0	1585	
RSG1460S1F	HWCG60X0A	56,000	14.0	10.9	1600	
AIR HANDLER HYDRONIC WITH PSC MOTOR	RSG1424S1E	HWCG24T0A	23,400	14.0	12.0	800
	RSG1430S1E	HWCG36T0A	30,000	14.0	12.0	1000
	RSG1436S1E	HWCG36T0A	32,800	14.0	11.9	1200
	RSG1442S1E	HWCG48T0A	39,500	14.0	12.0	1400
	RSG1448S1E	HWCG48T0A	44,000	14.0	11.4	1600
		HWCG60T0A	44,500	14.0	11.5	1600
RSG1460S1F	HWCG60T0A	56,500	14.0	11.5	2000	

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

PERFORMANCE DATA-AHRI STANDARD CONDITIONS

INDOOR/OUTDOOR MATCHES			COOLING PERFORMANCE			AIR FLOW SCFM
INDOOR TYPE	OUTDOOR MODEL	INDOOR COIL MODEL	CAPACITY BTUH	SEER	EER	
UPFLOW CASED COIL	RSG1418S1E	VCG24TA1E, -TB1E	18,000	14.0	12.8	600
	RSG1424S1E	VCG24TA1E, -TB1E	22,800	14.0	12.0	800
	RSG1430S1E	VCG36TA1E, -36TB1E, -36TC1E	29,400	14.0	12.0	1000
	RSG1436S1E	VCG36TA1E, -36TB1E, -36TC1E	32,600	14.0	11.8	1200
	RSG1442S1E	VCG48TB1E, -48TC1E, -48TD1E	41,000	14.0	12.0	1400
	RSG1448S1E	VCG48TB1E, -48TC1E, -48TD1E	44,500	14.0	12.1	1600
MULTI-POSITION CASED COIL	RSG1418S1E	MCG24TA1E, -TB1E	18,000	14.0	12.8	600
	RSG1424S1E	MCG24TA1E, -TB1E	22,800	14.0	12.0	800
	RSG1430S1E	MCG36TA1E, -36TB1E, -36TC1E	29,400	14.0	12.0	1000
	RSG1436S1E	MCG36TA1E, -36TB1E, -36TC1E	32,600	14.0	11.8	1200
	RSG1442S1E	MCG48TB1E, -48TC1E, -48TD1E	41,000	14.0	12.0	1400
	RSG1448S1E	MCG48TB1E, -48TC1E, -48TD1E	44,500	14.0	12.1	1600
UPFLOW/ DOWNFLOW UNCASED COIL	RSG1418S1E	CCG24TA1E, -TB1E	18,000	14.0	12.8	600
	RSG1424S1E	CCG24TA1E, -TB1E	22,800	14.0	12.0	800
	RSG1430S1E	CCG36TA1E, -36TB1E, -36TC1E	29,400	14.0	12.0	1000
	RSG1436S1E	CCG36TA1E, -36TB1E, -36TC1E	32,600	14.0	11.8	1200
	RSG1442S1E	CCG48TB1E, -48TC1E, -48TD1E	41,000	14.0	12.0	1400
	RSG1448S1E	CCG48TB1E, -48TC1E, -48TD1E	44,500	14.0	12.1	1600

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

ELECTRICAL AND PHYSICAL DATA

MODEL	RSG1418	RSG1424	RSG1430	RSG1436	RSG1442	RSG1448	RSG1460
Power Supply	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	9.9	14.4	15	15.1	19.4	21.3	29.0
Delay Fuse Max.*	20	30	30	30	40	45	60
Min. Circ. Ampacity	12.1	17.7	18.5	18.6	23.9	26.3	35.6
Coil Area Sq. Ft.	10.0	11.7	15.2	20.3	22.8	22.8	25.4
Coil Rows-FPI	1-23	1-23	1-18	1-18	1-18	1-18	1-23
Coil Tube Dia. OD	Micro-Channel						
Fan Motor Type	PSC	PSC	PSC	PSC	PSC	PSC	BLDC
Fan Motor Amps	0.9	0.9	0.9	1.0	1.5	1.5	2.6
Fan HP	0.13	0.13	0.13	0.20	0.25	0.25	0.33
Fan SCFM	3000	3000	3200	3300	3600	3800	3800
Compressor RLA	9.0	13.4	14.1	14.1	17.9	19.8	26.4
Compressor LRA	48	58.3	73	77	112	109	134
Refrig. Charge (oz)	39	45	51	62	75	101	81

*HACR type circuit breaker may be used.

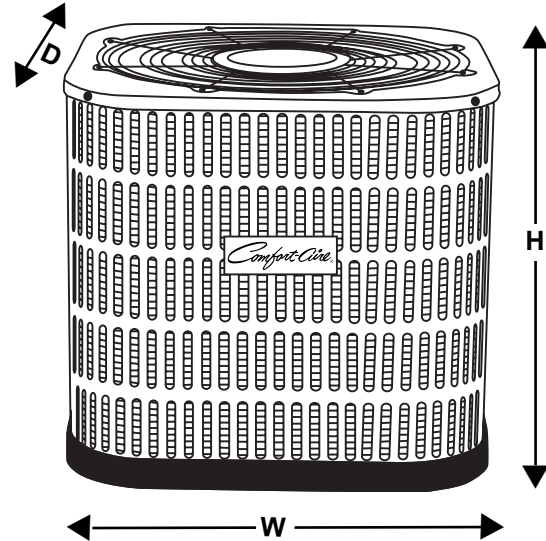
NOTE: Factory charged for 15' line set. Extra refrigerant needed for line sets over 15 feet (see IOM).

MODEL NOMENCLATURE

R	S	G	14	24	S	1	E
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

UNIT DIMENSIONS (inches)

DIMENSION	RSG1418S1E	RSG1424S1E	RSG1430S1E	RSG1436S1E	RSG1442S1E	RSG1448S1E	RSG1460S1F
HEIGHT	27 ½	31 ½	27 ½	35 ½	39 ½	39 ½	43
WIDTH	22 ¾	22 ¾	30 ¾	30 ¾	30 ¾	30 ¾	30 ¾
DEPTH	22 ¾	22 ¾	30 ¾	30 ¾	30 ¾	30 ¾	30 ¾
WEIGHT (lbs) NET/SHIPPING	107/113	127/134	132/140	146/155	175/184	177/186	221/230



ACCESSORIES

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

LINE SIZES and COMPRESSOR

MODEL	CONNECTION SIZE (inch ODA Female)		STANDARD LINE SIZE (in. OD)			COMPRESSOR TYPE	
	LIQUID	SUCTION	LIQUID	SUCTION			
				0' to 24'	25' to 39'		40' to 75'
RSG1418S1E	3/8	3/4	3/8	3/4	3/4	3/4	Scroll
RSG1424S1E	3/8	3/4	3/8	3/4	3/4	3/4	Scroll
RSG1430S1E	3/8	3/4	3/8	3/4	3/4	3/4	Scroll
RSG1436S1E	3/8	3/4	3/8	3/4	7/8*	7/8*	Scroll
RSG1442S1E	3/8	7/8	3/8	7/8	7/8	7/8	Scroll
RSG1448S1E	3/8	7/8	3/8	7/8	7/8	7/8	Scroll
RSG1460S1F	3/8	7/8	3/8	7/8	1-1/8**	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.

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



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