



14 SEER Condensing Units for R-410A

RSG14 SERIES

1½ to 5 Tons

Dependable comfort for single family, multi-family and light commercial applications.



Top discharge fan assembly for simple access to components; fan motor is mounted to grille for quiet operation

Readily accessible service valves and ports for fast installation and maintenance



High efficiency and charged with earth-friendly R-410A

- **Louvered metal jacket** protects the coil while adding to the attractive appearance and allowing maximum heat exchange
- **Long life copper coils** with enhanced aluminum fins provide maximum heat exchange for greatest efficiency
- **Muffler** on compressor discharge dampens compressor sound
- **Waterproof control box** is conveniently located for installation and service
- **Scroll compressors** feature advanced technology for long life and efficiency
- **Heavy duty grille** and motor mount contribute to quiet fan operation
- **Service ports** for both vapor and liquid are easily accessed
- **Top discharge fan** assembly provides easy access to working components, optimum heat exhaust and quiet operation
- **Durable cabinet** is painted to stand up to tough weather conditions and maintain an attractive appearance
- Condensing units are designed for outdoor ground level or rooftop installation

Outstanding Limited Warranty—12 years on compressor, 12 years on other parts!

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

HEAT CONTROLLER, INC.

PERFORMANCE DATA—AHRI STANDARD CONDITIONS—NOMINAL 14 SEER

INDOOR/OUTDOOR UNIT MATCHES			COOLING PERFORMANCE 80°F DB/67°F WB INDOOR—95°F DB OUTDOOR				NOM. AIR FLOW CFM
INDOOR TYPE	OUTDOOR MODEL	INDOOR MODEL	CAPACITY TOTAL	(BTUH) SENS	EFFICIENCY EER SEER*		
HYDRONIC AIR HANDLER	RSG1418-1A	AHG24-0A	18,000	14,900	12.5	14.0	600
	RSG1424-1A	AHG24-0A	23,600	19,700	12.0	14.0	800
	RSG1430-1A	AHG30-0A	29,800	25,000	12.0	14.0	1000
	RSG1436-1A	AHG36-0A	35,600	28,500	12.0	14.0	1200
	RSG1442-1A	AHG48-0A	40,500	32,800	12.0	14.0	1400
	RSG1448-1A	AHG48-0A	47,000	38,500	12.0	14.0	1600
	RSG1460-1A	AHG60-0A	56,000	48,200	12.0	14.0	2000
VARIABLE SPEED HYDRONIC AIR HANDLER	RSG1418-1A	AHGV24-0A	18,000	14,900	13.0	15.0	600
	RSG1424-1A	AHGV24-0A	24,000	19,700	13.0	15.0	800
	RSG1430-1A	AHGV36-0A	30,000	24,900	13.0	15.0	1000
	RSG1436-1A	AHGV36-0A	36,000	29,500	12.9	14.5	1200
	RSG1442-1A	AHGV48-0A	41,000	33,600	12.0	15.0	1400
	RSG1448-1A	AHGV48-0A	48,000	39,300	12.5	15.0	1600
	RSG1460-1A	AHGV60-0A	59,000	49,000	12.5	14.5	2000
ELECTRIC HEAT AIR HANDLER	RSG1418-1A	HAG24-00-1A	18,000	14,900	12.5	14.0	600
	RSG1424-1A	HAG24-00-1A	23,600	19,700	12.0	14.0	800
	RSG1430-1A	HAG36-00-1A	29,800	25,000	12.0	14.0	1000
	RSG1436-1A	HAG36-00-1A	35,600	28,500	12.0	14.0	1200
	RSG1442-1A	HAG48-00-1A	40,500	32,800	12.0	14.0	1400
	RSG1448-1A	HAG48-00-1A	47,000	38,500	12.0	14.0	1600
	RSG1460-1A	HAG60-00-1A	56,000	48,200	12.0	14.0	2000
VARIABLE SPEED ELECTRIC HEAT AIR HANDLER	RSG1418-1A	HAGV24-00-1A	18,000	14,900	13.5	15.5	600
	RSG1424-1A	HAGV24-00-1A	24,000	19,700	13.5	15.5	800
	RSG1430-1A	HAGV36-00-1A	30,000	24,900	13.0	15.5	1000
	RSG1436-1A	HAGV36-00-1A	36,000	29,500	12.9	14.5	1200
	RSG1442-1A	HAGV48-00-1A	41,000	33,600	12.9	15.0	1400
	RSG1448-1A	HAGV48-00-1A	48,000	39,300	12.9	15.0	1600
	RSG1460-1A	HAGV60-00-1A	59,000	49,000	12.9	14.5	2000
UPFLOW AND COUNTERFLOW CASED COILS *	RSG1418-1A	VHG24EA-14, -17	18,000	14,800	12.5	14.0	600
	RSG1424-1A	VHG24EA-14, -17	24,000	19,700	12.1	14.0	800
	RSG1430-1A	VHG36EA-14, -17, -21	29,600	24,500	12.1	14.0	1,000
	RSG1436-1A	VHG36EA-14, -17, -21	34,600	28,000	12.0	14.0	1,200
	RSG1442-1A	VHG48EA-17, -21, -24	40,500	33,200	12.0	14.0	1,400
	RSG1448-1A	VHG48EA-17, -21, -24	47,000	38,500	12.0	14.0	1,600
	RSG1460-1A	VHG60EA-21, -24	59,000	48,400	12.0	14.0	2,000
MULTI-POSITION CASED COILS	RSG1418-1A	MHG24EA-14, -17	18,000	14,800	12.5	14.0	600
	RSG1424-1A	MHG24EA-14, -17	24,000	19,700	12.1	14.0	800
	RSG1430-1A	MHG36EA-14, -17, -21	29,600	24,500	12.1	14.0	1,000
	RSG1436-1A	MHG36EA-14, -17, -21	34,600	28,000	12.0	14.0	1,200
	RSG1442-1A	MHG48EA-17, -21, -24	40,500	33,200	12.0	14.0	1,400
	RSG1448-1A	MHG48EA-17, -21, -24	47,000	38,500	12.0	14.0	1,600
	RSG1460-1A	MHG60EA-21, -24	59,000	48,400	12.0	14.0	2,000
UNCASED COILS	RSG1418-1A	CSG24EA-14, -17	18,000	14,800	12.5	14.0	600
	RSG1424-1A	CSG24EA-14, -17	24,000	19,700	12.1	14.0	800
	RSG1430-1A	CSG36EA-14, -17, -21	29,600	24,500	12.1	14.0	1,000
	RSG1436-1A	CSG36EA-14, -17, -21	34,600	28,000	12.0	14.0	1,200
	RSG1442-1A	CSG48EA-17, -21, -24	40,500	33,200	12.0	14.0	1,400
	RSG1448-1A	CSG48EA-17, -21, -24	47,000	38,500	12.0	14.0	1,600
	RSG1460-1A	CSG60EA-21, -24	59,000	48,400	12.0	14.0	2,000

*Limited availability on some models. Contact Factory.

NOTE: Only these combinations of indoor and outdoor units are approved. Any other combinations will not be considered AHRI certified match and could void the warranty.

PERFORMANCE DATA—AHRI STANDARD CONDITIONS—NOMINAL 14 SEER

Model	Rated Load Amps (RLA)	Compressor		Min. Circuit Ampacity	Max. Fuse or HACR Circuit Breaker	Outdoor Coil			R-410A Oz.*	Weight	
		Locked Rotor Amps (LRA)	Fan Motor Full Load Amps (FLA)			Face Area Sq. Ft.	No. Rows	CFM		Net Lbs.	Ship Lbs.
RSG1418-1A	9.0/9.0	48	0.8	13/13	20/20	13.72	1	2370	99.73	125.4	141
RSG1424-1A	13.5/13.5	58.3	0.8	18/18	30/30	13.72	1	2370	99.09	158.1	174
RSG1430-1A	14.1/14.1	73	0.8	19/19	30/30	16.39	1	2805	112.53	165.4	183
RSG1436-1A	17.0/17.0	96.7	1.2	23/23	35/35	21.85	1	3570	134.93	201.6	222
RSG1442-1A	17.9/17.9	112	1.2	24/24	40/40	21.85	1	3570	150.40	189.5	211
RSG1448-1A	21.8/21.8	117	1.2	29/29	50/50	21.85	2	3360	241.60	222.7	246
RSG1460-1A	26.4/26.4	134	1.2	35/35	60/60	21.85	2	3360	262.40	231.5	260

*Factory charge includes refrigerant for 15 feet of standard line set.

LINE SIZES AND COMPRESSOR

Model	Connection Size (Inch ODS Female)		Standard Line Size (Inch OD)		Compressor Type
	Liquid	Suction	Liquid	Suction	
RSG1418-1A	3/8	3/4	3/8	3/4	Scroll
RSG1424-1A	3/8	3/4	3/8	3/4	Scroll
RSG1430-1A	3/8	3/4	3/8	3/4	Scroll
RSG1436-1A	3/8	7/8	3/8	7/8	Scroll
RSG1442-1A	3/8	7/8	3/8	7/8	Scroll
RSG1448-1A	3/8	7/8	3/8	1-1/8	Scroll
RSG1460-1A	3/8	7/8	3/8	1-1/8	Scroll

MODEL IDENTIFICATION

RS	G	14	18	—	1	A
A/C Series	Refrigerant R-410A	SEER (Nominal)	Nominal Cooling Capacity x 1000		Power 1 = 208/230V-1-60	Revision Level

Power Supply: 208/230V-1-60

UNIT DIMENSIONS

Model No.	Height "H" (inches)	Depth "D" (inches)	Width "W" (inches)
RSG1418, 1424	24-1/4	27-5/8	27-5/8
RSG30	27-3/8	31-5/8	31-5/8
RSG1436/1442/1448/1460	35-3/8	31-5/8	31-5/8



Units are certified and rated under ARI Standard 210/240 for Unitary Air Conditioners when installed as a matched system.

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

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THE QUALITY LEADER IN CONDITIONING AIR