



## 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				NOM. AIR FLOW CFM
INDOOR TYPE	OUTDOOR MODEL	INDOOR MODEL	CAPACITY (BTUH)		EFFICIENCY		
			TOTAL	SENS	EER	SEER*	
<b>HYDRONIC AIR HANDLER</b>	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
<b>VARIABLE SPEED HYDRONIC AIR HANDLER</b>	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
<b>ELECTRIC HEAT AIR HANDLER</b>	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
<b>VARIABLE SPEED ELECTRIC HEAT AIR HANDLER</b>	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
<b>UPFLOW AND COUNTERFLOW CASED COILS *</b>	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
<b>MULTI-POSITION CASED COILS</b>	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
<b>UNCASED COILS</b>	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

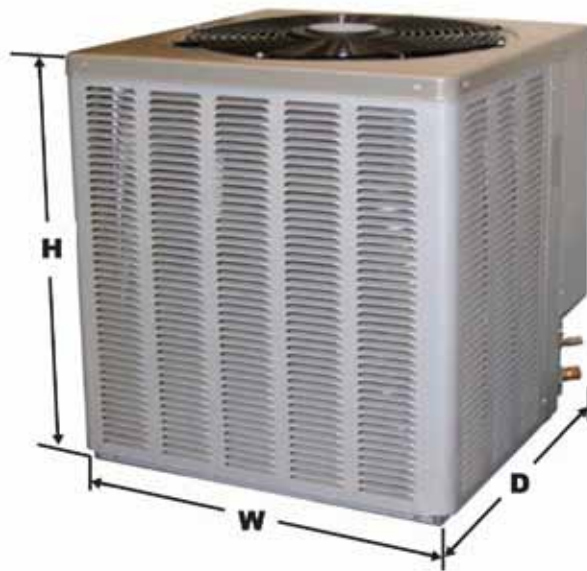
**MODEL IDENTIFICATION**

<b>RS</b>	<b>G</b>	<b>14</b>	<b>18</b>	<b>—</b>	<b>1</b>	<b>A</b>
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.**

# HEAT CONTROLLER, INC.

1900 Wellworth Ave., Jackson, Michigan 49203 • Ph. 517-787-2100 • Fax 517-787-9341

[www.heatcontroller.com](http://www.heatcontroller.com)

**THE QUALITY LEADER IN CONDITIONING AIR**