

# HRG14\*\*S1M

## SPECIFICATIONS

### Refrigerant System

- R410a Refrigerant
- High-quality condenser coil with copper tubing and enhanced louvered fin for maximum heat transfer capacity
- Top discharge directs hot air away from living area and shrubbery
- All units run tested
- Louvered panel coil protection
- Easy access to electrical panels, pre-wired for easy hook-up
- Bi-directional liquid line filter drier factory installed
- Discharge muffler for quiet operation
- Reliable, solid state defrost control
- Defrost control is Quiet Shift™ capable
- Low pressure switch factory installed for loss of charge protection
- Integrated control with LED diagnostics
- Short cycle protection factory installed
- All units ETL and ETLG approved and AHRI Certified
- Charged for 15 feet of interconnecting tubing

*Comfort-Cire*®

## SPLIT SYSTEM HEAT PUMP

14 SEER



For the latest AHRI system matches,  
please visit [www.marsdeliversratings.com](http://www.marsdeliversratings.com)  
or [AHRIdirectory.com](http://AHRIdirectory.com)

**Warranty**—12 years on compressor, 6 years on parts  
(Some limitations apply; see printed warranty for details.)

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

## MODEL NUMBER GUIDE

<b>H</b>	<b>R</b>	<b>G</b>	<b>14</b>	<b>24</b>	<b>S</b>	<b>1</b>	<b>M</b>
Heat Pump	Residential Split	'Green' Gas R-410A	SEER 14	Capacity BTUH x 1000	S = Scroll Compressor	Power 1 = 208/230-1-60	Series/ Revision

## PHYSICAL AND ELECTRICAL DATA

Model	Voltage/ Hz/ Phase	Voltage Range	Min. Circuit Amp.	Max. Over Current Device (amps)	Compressor		Outdoor Fan Motor			Refrig. Charge <sup>1</sup> (oz.)	Sound Rating (dBA)
					Rated Load (amps)	Locked Rotor (amps)	Rated Load (amps)	Rated HP	Nom. RPM		
HRG1418S1M	208-230/60/1	197-253	12.2	20	9.0	48	1.0	1/6	825	93	74
HRG1424S1M	208-230/60/1	197-253	17.9	30	13.5	58	1.1	1/6	825	94	76
HRG1430S1M	208-230/60/1	197-253	17.1	25	12.8	64	1.1	1/6	825	90	76
HRG1436S1M	208-230/60/1	197-253	18.7	30	14.1	77	1.1	1/6	825	150	76
HRG1442S1M	208-230/60/1	197-253	24.2	40	18.0	112	1.8	1/3	825	184	79
HRG1448S1M	208-230/60/1	197-253	29	50	21.8	117	1.8	1/3	825	161	80
HRG1460S1M	208-230/60/1	197-253	29.4	50	22.1	125	1.8	1/3	825	197	80

Note:

<sup>1</sup> Factory charged for 15 feet of line set. Adjust per installation instructions.

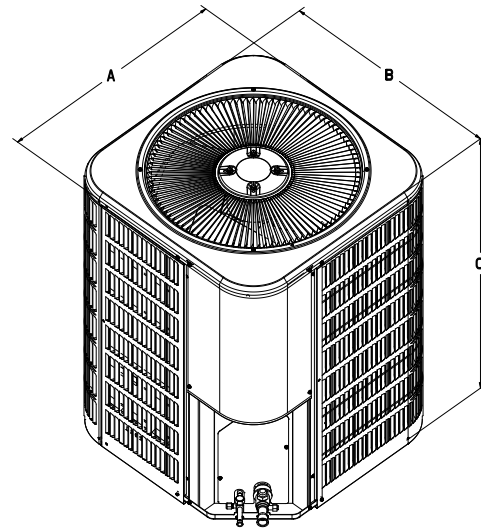
## UNIT DIMENSIONS & WEIGHT

Model	Dimensions (inch) <sup>1</sup>			Shipping Weight (lbs.) <sup>2</sup>
	A - Width	B - Depth	C - Height	
HRG1418S1M	28.25	28.25	37	175
HRG1424S1M	28.25	28.25	37	177
HRG1430S1M	28.25	28.25	37	178
HRG1436S1M	28.25	28.25	33	202
HRG1442S1M	32.25	32.25	37	272
HRG1448S1M	32.25	32.25	37	273
HRG1460S1M	32.25	32.25	43	297

Note:

<sup>1</sup> Dimensions listed are unit sizes w/o packaging

<sup>2</sup> Weights listed are unit weights with packaging



## ACCESSORIES

Description	Where Used	Kit Number
Crankcase Heater	18, 24, 30, 36	93M04
	42, 48, 60	93M05 (factory Installed)
Compressor Low Ambient Kit	18, 24, 30, 36, 42, 48, 60	45F08
Sound Blanket	18, 24, 30, 36	14W00 (factory Installed)
	42, 48, 60	14W01 (factory Installed)
Short Cycle Protector	18, 24, 30, 36, 42, 48, 60	control board feature
Freezestat	3/8 tubing	93G35
	5/8 tubing	50A93
Time Delay Relay	18, 24, 30, 36, 42, 48, 60	control board feature
Loss of Charge Kit	18, 24, 30, 36, 42, 48, 60	84M23 (factory Installed)
Hard start kit	18	10J42
	24, 30, 36, 42, 48, 60	88M91
Fossil Fuel	All Models	AFOSL500
TXV	18, 24, 30	H4TXV01
	36, 42, 48	H4TXV02
	60	H4TXV03
	18, 24, 30, 36	4200
	42, 48, 60	4202

## PERFORMANCE WITH COILS, AIR HANDLERS AND FURNACES

Outdoor Model	Indoor Model	TXV Kit Where Needed <sup>3</sup>	Cooling				Heating		
	Evap. Coil Air Handlers <sup>1</sup>		SEER	EER	AHRI Capacity <sup>2</sup>	AHRI Reference Numbers	HSPF	47°	17°
								Btuh	Btuh
HRG1424S1M	HMG24F1M+TXV	H4TXV01	14	12	17,000	201925167	8.2	17,000	10,000
	HMG24X1M		15.1	12.5	18,000	202120929	8.2	17,000	10,000
	HWCG23T0A		14.5	12	17,500	204270644	8.5	17,200	10,100
	HCG24V1M		15	12	18,000	202120930	8.2	17,000	10,000
HRG1424S1M	HMG24F1M+TXV	H4TXV01	14	12	23,400	201925172	8.2	21,600	14,000
	HMG24X1M		15.1	12.5	18,000	201925168	8.2	17,000	10,000
	HCG24V1M		15	12	18,000	201925169	8.2	17,000	11,000
	HMG30X1M		15	12.5	23,400	202276594	8.5	21,600	14,000
	HCG30V1M		15	12	24,000	202276597	8.2	21,000	13,000
HRG1430S1M	HMG30F1M+TXV	H4TXV01	14	12	28,600	201925179	8.2	26,000	17,000
	HMG30X1M		15	12.5	23,400	201925173	8.5	21,600	14,000
	HCG36V1M		15	12	24,000	201925174	8.2	21,000	13,000
	HMG30X1M		15	12.5	28,600	202276607	8.5	26,000	17,000
HRG1436S1M	HMG36F1M+TXV	H4TXV02	14	12	34,000	201925184	8.2	33,800	21,800
	HMG36X1M		15	12.5	34,000	201925185	8.5	33,800	21,800
	HCG36V1M		14.5	12	33,000	201925186	8.2	33,000	21,000
HRG1442S1M	HMG42F1M+TXV	H4TXV02	14	12	41,000	201925191	8.2	40,000	28,800
	HMG42X1M		15	12.5	41,000	201925192	8.5	40,000	28,800
	HCG42V1M		14.5	12	41,000	201925193	8.2	40,000	28,000
HRG1448S1M	HMG48F1M+TXV	H4TXV02	14	12	47,000	201925194	8.2	46,000	29,600
	HMG48X1M		15	12.5	47,000	201925195	8.5	46,000	29,600
	HCG48V1M		14.5	12	47,000	201925196	8.2	45,500	29,000
HRG1460S1M	HMG60F1M+TXV	H4TXV03	14	12	57,000	201925197	8.2	55,000	36,000
	HMG60X1M		15	12.5	57,000	201925198	8.5	55,000	36,000
	HCG60V1M		14.5	12	57,000	201925199	8.2	55,000	36,000

Note:

<sup>1</sup> A blower time delay relay is required to achieve AHRI rating. This feature is standard on all furnaces and AH products.

<sup>2</sup> Certified in accordance with Unitary Air Conditioner Certification Program, which is based on AHRI Standard 210/240.

<sup>3</sup> Required to achieve AHRI rating.

## LINE SETS

Outdoor Model	Condenser Refrigerant Connection		Refrigerant Line Size	
	Outdoor		Suction	Liquid
	Suction	Liquid		
HRG1418S1M	3/4	3/8	3/4	3/8
HRG1424S1M	3/4	3/8	3/4	3/8
HRG1430S1M	3/4	3/8	3/4	3/8
HRG1436S1M	7/8	3/8	7/8	3/8
HRG1442S1M	7/8	3/8	7/8	3/8
HRG1448S1M	7/8	3/8	7/8	3/8
HRG1460S1M	7/8	3/8	1 1/8	3/8



"This product complies with all California product labeling laws including, but not limited to, the Safe Drinking Water and Toxic Enforcement Act of 1986, more commonly known as Proposition 65."

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