



## 13 SEER HEAT PUMPS FOR R-410A

- **Long life copper coils** with aluminum fins optimize heat transfer, are designed for durability and reliability
- **Louvered metal jacket** of galvanized steel with a polyester urethane finish protects the coil while adding to the unit's attractive appearance
- **Permanently lubricated PSC motor** is quiet and reliable, requires no maintenance
- **High pressure switch** protects against any excessively high system pressures
- **Liquid line filter-drier** is included for field installation
- **Five minute restart time delay** eliminates common causes of compressor failures
- **Composite base pan** is stronger and lighter than steel, resists corrosion and absorbs operating sound
- **Hot gas muffler** dampens compressor sound and vibration
- **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
- **Fixed orifice** is integrated into the liquid line service valve for simple change-out
- **Compressor and control access** is located on the side of the unit to speed installation and service for convenience



### HRG13 SERIES 1.5 to 5 Tons



*The HRG Series of high efficiency heat pumps comes charged with R-410A, an environmentally friendly refrigerant.*

**Can be slab- or rooftop-mounted; up to 14.0 SEER matched with Century variable speed air handler—see AHRI Directory**

**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			HEATING CAP. BTUH @ 47° F	HSPF	NOM. AIR FLOW SCFM
INDOOR TYPE	OUTDOOR MODEL	INDOOR MODEL	CAPACITY (BTUH)	EFFICIENCY				
			TOTAL	SEER	EER			
ELECTRIC HEAT AIR HANDLER	HRG1318S1E	HMG24F1E	18,000	13.0	10.5	19,000	8.0	650
	HRG1324S1E	HMG24F1E	23,000	13.0	10.5	24,800	8.0	850
	HRG1330S1E	HMG30F1E	28,800	13.0	10.5	30,800	8.0	900
	HRG1336S1E	HMG36F1E	34,800	13.0	10.5	36,800	8.0	1170
	HRG1342S1E	HMG42F1E	40,000	13.0	10.5	42,000	7.8	1495
	HRG1348S1E	HMG48F1E	47,500	13.0	10.5	47,500	8.0	1620
	HRG1360S1E	HMG60F1E	57,500	13.0	10.5	60,500	8.0	1660
AIR HANDLER W/ TXV AND PSC	HRG1318S1E	—	—	—	—	—	—	—
	HRG1324S1E	HMG24T1E	23,200	13.0	11.0	24,000	8.0	850
	HRG1330S1E	HMG30T1E	27,800	13.0	11.0	29,600	8.0	900
	HRG1336S1E	HMG36T1E	—	—	—	—	—	—
	HRG1342S1E	HMG42T1E	40,000	13.0	11.0	40,500	8.0	1495
	HRG1348S1E	HMG48T1E	46,500	13.0	11.0	48,000	8.0	1620
	HRG1360S1E	HMG60T1E	58,500	13.0	11.0	60,000	8.0	1615
AIR HANDLER W/ TXV AND FIXED TORQUE DRIVE	HRG1318S1E	HMG24X1E	17,600	14.0	12.2	19,000	8.0	640
	HRG1324S1E	HMG24X1E	22,800	14.0	12.2	24,600	8.2	690
	HRG1330S1E	HMG30X1E	28,600	14.0	12.0	28,800	8.2	990
	HRG1336S1E	HMG36X1E	34,400	14.0	11.0	36,600	8.2	1180
		HMG42X1E	40,000	14.0	12.2	40,500	8.2	1420
	HRG1348S1E	HMG48X1E	46,500	14.0	11.0	49,000	8.2	1675
	HRG1360S1E	HMG60X1E	58,000	14.0	11.0	61,500	8.2	1710
AIR HANDLER W/ TXV AND ECM DRIVE	HRG1318S1E	HCG24V1E	18,000	14.0	11.8	18,000	8.0	600
	HRG1324S1E	HCG24V1E	24,000	14.0	12.2	23,200	8.2	750
	HRG1330S1E	HCG30V1E	29,600	14.0	12.2	29,600	8.2	900
	HRG1336S1E	HCG36V1E	35,800	14.0	12.2	37,800	8.2	1180
	HRG1342S1E	HCG42V1E, -48V1E	41,500	14.0	12.2	41,500	8.2	1350
	HRG1348S1E	HCG48V1E	48,000	14.0	12.2	47,500	8.2	1600
	HRG1360S1E	HCG60V1E	59,500	13.5	12.0	57,500	8.2	1700
WALL MOUNT AIR HANDLER ELEC. HEAT	HRG1318S1E	FMG2405F1E, -2408F1E	17,400	13.0	11.0	17,400	7.8	620
	HRG1324S1E	FMG2405F1E, -2408F1E, -2410F1E	22,400	13.0	10.5	23,000	8.0	815
	HRG1330S1E	FMG3005F1E, -3008F1E, -3010F1E	28,200	13.0	10.5	29,200	8.0	1000
	HRG1336S1E	FMG3605F1E, -3608F1E, -3610F1E	34,000	13.0	10.5	34,800	8.0	1160

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

## MODEL NOMENCLATURE

<b>H</b>	<b>R</b>	<b>G</b>	<b>13</b>	<b>24</b>	<b>S</b>	<b>1</b>	<b>E</b>
Heat Pump	Residential Split	'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				HEATING CAP. BTUH @ 47° F	HSPF	NOM. AIR FLOW SCFM
INDOOR TYPE	OUTDOOR MODEL	INDOOR COIL MODEL	CAPACITY (BTUH)		EFFICIENCY				
			TOTAL	SENS.	SEER	EER			
UPFLOW CASSED COIL	HRG1318S1E	VCG24TA1E, -TB1E	17,100	14,022	13.0	11.1	18,100	7.9	600
	HRG1324S1E	VCG24TA1E, -TB1E	22,800	18,468	13.0	11.3	23,400	7.8	800
	HRG1330S1E	VCG36TA1E, -36TB1E, -36TC1E	27,400	22,194	13.0	11.5	28,800	7.8	1000
	HRG1336S1E	VCG36TB2E, -36TC2E, -36TD2E	34,800	27,144	13.0	11.5	36,000	8.0	1200
	HRG1342S1E	VCG48TB2E, -48TC2E, -48TD2E	42,000	32,340	13.5	11.5	42,000	8.1	1400
	HRG1348S1E	VCG48TB2E, -48TC2E, -48TD2E	48,000	36,960	13.5	11.5	46,500	8.1	1600
	HRG1360S1E	VCG60TC2E, -60TD2E	58,000	40,020	13.0	12.0	54,500	8.1	2000
MULTI-POSITION CASSED COIL	HRG1318S1E	MCG24TA1E, -TB1E	17,100	14,022	13.0	11.1	18,100	7.9	600
	HRG1324S1E	MCG24TA1E, -TB1E	22,800	18,468	13.0	11.3	23,400	7.8	800
	HRG1330S1E	MCG36TA1E, -36TB1E, -36TC1E	27,400	22,194	13.0	11.5	28,800	7.8	1000
	HRG1336S1E	MCG36TB2E, -36TC2E, -36TD2E	34,800	27,144	13.0	11.5	36,000	8.0	1200
	HRG1342S1E	MCG48TB2E, -48TC2E, -48TD2E	42,000	32,340	13.5	11.5	42,000	8.1	1400
	HRG1348S1E	MCG48TB2E, -48TC2E, -48TD2E	48,000	36,960	13.5	11.5	46,500	8.1	1600
	HRG1360S1E	MCG60TC2E, -60TD2E	58,000	40,020	13.0	12.0	54,500	8.1	2000
UPFLOW/DOWNFLOW UNCASSED COIL	HRG1318S1E	CCG24TA1E, -TB1E	17,100	14,022	13.0	11.1	18,100	7.9	600
	HRG1324S1E	CCG24TA1E, -TB1E	22,800	18,468	13.0	11.3	23,400	7.8	800
	HRG1330S1E	CCG36TA1E, -36TB1E, -36TC1E	27,400	22,194	13.0	11.5	28,800	7.8	1000
	HRG1336S1E	CCG36TB2E, -36TC2E, -36TD2E	34,800	27,144	13.0	11.5	36,000	8.0	1200
	HRG1342S1E	CCG48TB2E, -48TC2E, -48TD2E	42,000	32,340	13.5	11.5	42,000	8.1	1400
	HRG1348S1E	CCG48TB2E, -48TC2E, -48TD2E	48,000	36,960	13.5	11.5	46,500	8.1	1600
	HRG1360S1E	CCG60TC2E, -60TD2E	58,000	40,020	13.0	12.0	54,500	8.1	2000

Coil Model	Cased Coil	Uncased Coil
XCGXXTA	14" width	13" width
XCGXXTB	17 <sup>1</sup> / <sub>2</sub> " width	16" width
XCGXXTC	21" width	19 <sup>1</sup> / <sub>2</sub> " width
XCGXXTD	24 <sup>1</sup> / <sub>2</sub> " width	23" width

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

## ELECTRICAL AND PHYSICAL DATA

MODEL	HRG1318	HRG1324	HRG1330	HRG1336	HRG1342	HRG1348	HRG1360
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	10.2	14.6	15.3	17.8	19.4	23.2	27.7
Delay Fuse Max.*	20	30	30	35	40	50	60
Min. Circ. Ampacity	12.4	18.0	18.8	22.0	23.9	28.7	34.3
Coil Area Sq. Ft.	17.7	20.3	22.8	25.3	22.8	25.3	25.3
Coil Rows-FPI	1-18	1-18	1-20	1-20	2-16	2-16	2-16
Coil Tube Dia. OD	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"
Fan Motor Type	PSC	PSC	PSC	PSC	PSC	PSC	PSC
Fan Motor Amps	1.2	1.2	1.2	1.2	1.46	1.46	1.46
Fan HP	0.2	0.2	0.2	0.2	0.25	0.25	0.25
Fan SCFM	3000	3200	3300	3400	3700	3800	3800
Compressor RLA	9.0	13.4	14.1	16.6	17.9	21.8	26.2

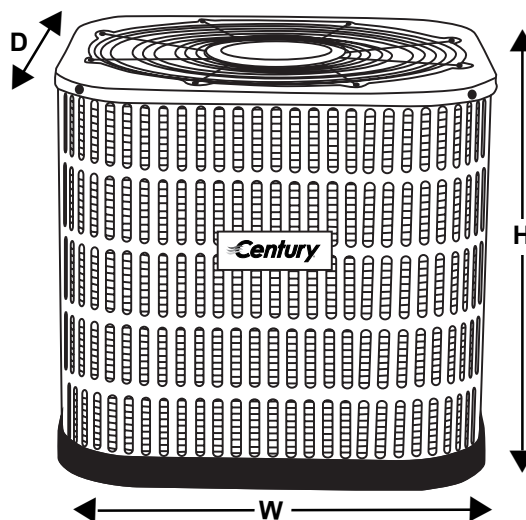
\*HACR type circuit breakers may be used.

## UNIT DIMENSIONS

DIMENSION	HRG1318S1E	HRG1324S1E	HRG1330S1E	HRG1336S1E	HRG1342S1E	HRG1348S1E	HG1360S1E
HEIGHT (in.)	31 ½	35 ½	39 ½	43 ½	39 ½	43 ½	43 ½
WIDTH (in.)	30 ¾	30 ¾	30 ¾	30 ¾	30 ¾	30 ¾	30 ¾
DEPTH (in.)	30 ¾	30 ¾	30 ¾	30 ¾	30 ¾	30 ¾	30 ¾
WEIGHT (lbs) NET/SHIPPING	166/175	171/180	176/185	181/190	247/260	280/295	290/305

## ACCESSORIES

MODEL	DESCRIPTION
912933	Start Assist Kit—provides additional starting torque when operating with lowline voltage or high operating temps
913852	Outdoor Thermostat Kit—two stage logic can lock out electric strip down to balance point and bring on stages
920900	Extreme Wind Condition Mounting Kit



## LINE SIZES (in.) AND COMPRESSOR

MODEL	CONNECTION SIZE (inch OD Female)		STANDARD LINE SIZE (in. OD)		COMPRESSOR TYPE	
	LIQUID	SUCTION	LIQUID	SUCTION		
				0' to 24'		25' to 75'
HRG1318S1E	3/8	3/4	3/8	3/4	3/4	Scroll
HRG1324S1E	3/8	3/4	3/8	3/4	3/4	Scroll
HRG1330S1E	3/8	3/4	3/8	3/4	3/4	Scroll
HEG1336S1E	3/8	7/8	3/8	7/8	7/8	Scroll
HRG1342S1E	3/8	7/8	3/8	7/8	7/8	Scroll
HRG1348S1E	3/8	7/8	3/8	7/8	7/8	Scroll
HRG1360S1E	3/8	7/8	3/8	7/8	1-1/8*	Scroll

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

NOTE: Factory charged for 15' line set. Additional charge needed for line set over 15'—see IOM.

**Due to ongoing product improvements, specifications and dimensions are subject to change and correction without notice or incurring obligations.**



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