

FEATURES:

- Powder-coated galvanized steel cabinet
- Electric heat kit available as a field-installed option
- High-efficiency compressors operate smoothly and quietly
- Fit universal curbs
- All sizes fit in a standard truck bed
- Convenient access panels; slide out design for blower motor
- AHRI Certified and ETL listed

HEAT PUMP PACKAGED UNIT

13.4 SEER2

Capacity: 24 - 60 kBTU/h



Utility Small HP
AHRI Standard 210/240
Certification applies only when the complete system is listed with AHRI.



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Limited Warranty

5 years on unit parts. Unit cost replacement if heat exchanger, condenser coil, evaporator coil (packaged systems only), or compressor fails in the first year.

With registration, 10 years on compressor and 20 years on heat exchanger.

(Limitations apply, see actual warranty for complete details.)

www.century-hvac.com

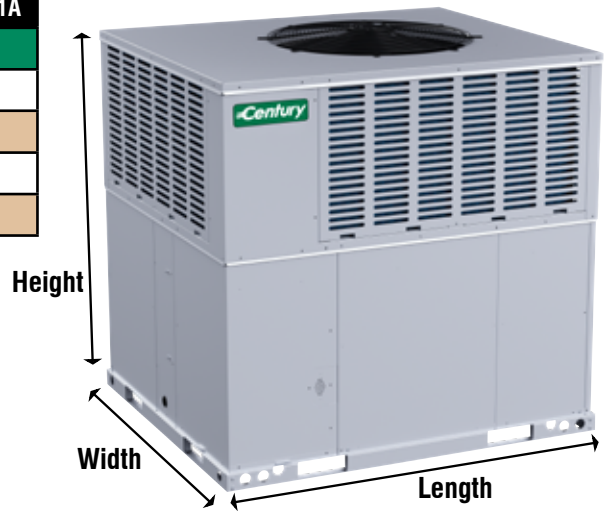
MODEL NUMBER GUIDE

R	H	P	24	00	S	1	A
Residential	Heat Pump	Package Unit	Nominal Cooling Capacity BTUH x 1000	Heating Capacity BTUH x 1000	SE Series	Power 1 = 208/230- 1-60	Revision Level

SPECIFICATIONS

	RHP2400S1A	RHP3600S1A	RHP4800S1A	RHP6000S1A
Performance				
Cooling (BTU/h) (@95°F)	22,800	34,000	46,500	57,000
SEER2	13.4	13.4	13.4	13.4
EER2 (@95°F)	11.0	11.0	11.0	11.0
Heating Capacity (@47°F)	22,800	34,200	48,000	57,000
HSPF2	6.70	6.70	6.70	6.70
ELECTRICAL DATA				
Voltage / Phase (60 Hz)	208/230/1	208/230/1	208/230/1	208/230/1
Min. / Max. Voltage	187/253	187/253	187/253	187/253
MCA	15.1	24.2	35.1	38.4
MOP	25	40	50	50"
COMPRESSOR				
Type	Rotary	Rotary	Scroll	Scroll
Stage	Single	Single	Single	Single
RLA	10.0	16.0	23.0	26.0
LRA	34.8	72.0	108.0	127.9
OUTDOOR FAN MOTOR				
Motor Type	PSC	PSC	PSC	PSC
Capacitor(µF)	6	6	15	15
Horsepower (HP)	1/12	1/6	1/3	1/3
Full Load Amps (FLA)	0.61	1.0	1.9	1.9
Rated RPM	880	830	1050	1050
INDOOR BLOWER MOTOR				
Motor Type	PSC	ECM	PSC	PSC
Capacitor(µF)	12	/	25	20
Horsepower (HP)	1/5	1/2	1/2	3/4
Full Load Amps (FLA)	2.0	3.2	4.4	4.0
Rated RPM	660	855	890	990
REFRIGERATION SYSTEM				
Refrigerant Control	Orifice	Orifice	Orifice	Orifice
Refrigerant Charge (lbs. - oz.)	6-6	7-15	9-4	11-14
OPERATION RANGE				
Cooling(°F)	55-115	55-115	55-115	55-115
Heating(°F)	5-86	5-86	5-86	5-86
Sound Power (dB)	73	72	78	78

	RHP2400S1A	RHP3600S1A	RHP4800S1A	RHP6000S1A
DIMENSIONS AND WEIGHTS				
Hight (in.)	46-13/16	46-13/16	51-7/16	51-7/16
Width (in.)	35-1/16	35-1/16	46-13/16	46-13/16
Length (in.)	50-11/16	50-11/16	50-9/16	50-9/16
Net Weight (lbs.)	400	411	537	568



ELECTRIC HEAT KIT DATA

Model	Electrical Data						Heater Fan Speed		
	Model	KW	Stages	Amps	MCA	Max Fuse Breaker Amps	L	M	H
RHP2400S1A	EHK-05J	3.8/5	1	18.1/20.8	23/26	25/30	•	•	•
	EHK-08J	5.6/7.5	1	27.1/31.3	34/40	35/40	x	•	•
	EHK-10J	7.5/10	1	36.1/41.7	46/53	50/60	x	•	•
RHP3600S1A	EHK-05J	3.8/5	1	18.1/20.8	23/26	25/30	•	•	•
	EHK-08J	5.6/7.5	1	27.1/31.3	34/40	35/40	•	•	•
	EHK-10J	7.5/10	1	36.1/41.7	46/53	50/60	x	•	•
	EHK-15J	11.3/15	2	54.2/62.5	68/79	70/80	x	•	•
RHP4800S1A	EHK-05J	3.8/5	1	18.1/20.8	23/26	25/30	•	•	•
	EHK-08J	5.6/7.5	1	27.1/31.3	34/40	35/40	•	•	•
	EHK-10J	7.5/10	1	36.1/41.7	46/53	50/60	•	•	•
	EHK-15J	11.3/15	2	54.2/62.5	68/79	70/80	x	•	•
	EHK-20J	15/20	2	72.3/83.4	91/105	100/110	x	x	•
RHP6000S1A	EHK-05J	3.8/5	1	18.1/20.8	23/26	25/30	•	•	•
	EHK-08J	5.6/7.5	1	27.1/31.3	34/40	35/40	•	•	•
	EHK-10J	7.5/10	1	36.1/41.7	46/53	50/60	•	•	•
	EHK-15J	11.3/15	2	54.2/62.5	68/79	70/80	x	•	•
	EHK-20J	15/20	2	72.3/83.4	91/105	100/110	x	x	•



AIR FLOW DATA

Model Number	Motor Speed		External Static Pressure-Inches W.C.[kPa]								
			0[0]	0.1[.02]	0.2[.05]	0.3[.07]	0.4[.10]	0.5[.12]	0.6[.15]	0.7[.17]	0.8[.20]
RHP2400S1A	Low- Factory	SCFM		860	767	677	593				
		Watts		1.0	1.0	1.0	1.0				
		Amps		229	225	222	218				
	Middle	SCFM				900	819	736	629		
		Watts				1.4	1.4	1.3	1.3		
		Amps				314	309	303	298		
	High	SCFM						868	761	653	600
		Watts						1.7	1.7	1.7	1.7
		Amps						384	376	370	365
RHP3600S1A	Low (Tap2)	SCFM	1170	1107	1042	984	926	867			
		Watts	1.6	1.6	1.7	1.7	1.8	1.8			
		Amps	176	182	188	194	200	206			
	Middle (Tap3)- Factory	SCFM	1339	1284	1224	1168	1119	1065	1014	961	900
		Watts	2.2	2.2	2.3	2.3	2.4	2.4	2.5	2.5	2.6
		Amps	254	260	266	272	279	286	294	300	305
	High (Tap4)	SCFM		1385	1328	1274	1226	1178	1128	1079	1031
		Watts		2.6	2.7	2.7	2.8	2.9	2.9	3.0	3.0
		Amps		315	322	328	335	342	350	357	364
RHP4800S1A	Low- Factory	SCFM				1897	1804	1715	1605	1511	1403
		Watts				3.0	2.9	2.8	2.7	2.6	2.5
		Amps				685	663	643	615	582	557
	Middle	SCFM					1904	1801	1689	1557	1432
		Watts					3.2	3.1	3.0	2.9	2.8
		Amps					728	702	673	643	611
	High	SCFM						1873	1757	1621	1500
		Watts						3.4	3.3	3.2	3.0
		Amps						771	743	712	676
RHP6000S1A	Low (Tap3)	SCFM	1784	1732	1675	1610	1548				
		Watts	2.6	2.7	2.7	2.8	2.9				
		Amps	312	321	329	337	347				
	Middle (Tap4)- Factory	SCFM	2046	1996	1953	1900	1844	1790	1738	1676	1520
		Watts	3.7	3.8	3.9	3.9	4.0	4.1	4.2	4.3	4.6
		Amps	459	471	481	492	503	514	527	538	577
	High (Tap5)	SCFM		2227	2185	2142	2094	2042	1991	1938	1761
		Watts		5.1	5.2	5.2	5.3	5.4	5.5	5.6	5.7
		Amps		646	658	670	683	695	709	724	735

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.

“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.”