

SRGP**S1A

SE Series



FEATURES:

- Quiet multi-speed circulation blower
- Compatible with side and bottom air discharge
- Direct spark ignition
- Powder-painted galvanized steel cabinet
- High-efficiency compressors operate smoothly, quietly, and consistently
- Internal safeguards protect the compressor against high and low pressure, and coil temperature
- Aluminum tube/aluminum fin coil
- High-efficiency ECM blower motor
- AHRI Certified and ETL listed
- Compliant with UL-60335 certification
- Horizontal or down flow application
- Convenient access panels
- LP conversion kit provided
- Microchannel condenser, higher heat exchange efficiency with less flammable refrigerant charge
- Full DC variable speed condenser motor, more efficient, smarter, and quieter

GAS ELECTRIC PACKAGED UNIT

13.4 SEER2

Capacity: 24 - 60 kBTU/h



This gas/electric package unit is not ultra low NOx compliant (< 14 ng/J) and may not be installed within the SJVAPCD or SCAQMD air districts of California.

Century®

Limited Warranty

5 years on parts and 10 years on compressor and heat exchanger. Unit cost replacement if heat exchanger, condenser coil, evaporator coil (excludes cased coils), or compressor fails in the first year. With registration, 10 years on all parts and 20 years on heat exchanger.

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

www.century-hvac.com

MODEL NUMBER GUIDE

S	R	G	P	24	60	S	1	A
SE Series	Residential	Gas/Electric	Package Unit	Nominal Cooling Capacity BTUH x 1000	Heating Capacity BTUH x 1000	Standard Efficiency	Power 1=208/230-1-60	Revision Level

SPECIFICATIONS

	SRGP2460S1A	SRGP3060S1A	SRGP3690S1A	SRGP4290S1A	SRGP4890S1A	SRGP6090S1A	SRGP60110S1A
Performance							
Cooling (BTU/h) (@ 95°F)	22,800	28,400	34,000	40,000	47,000	57,000	57,000
SEER2	13.4	13.4	13.4	13.4	13.4	13.4	13.4
EER2 (@ 95°F)	10.6	10.6	10.6	10.6	10.6	10.6	10.6
Heating (BTU/h) Input	60,000	60,000	90,000	90,000	90,000	90,000	110,000
Heating (BTU/h) Output	48,000	48,000	72,000	72,000	72,000	72,000	88,000
Number of Burners	5	5	7	6	6	6	7
Gas Connection Pipe Size (in)	1/2 NPT	1/2 NPT	1/2 NPT	1/2 NPT	1/2 NPT	1/2 NPT	1/2 NPT
ELECTRICAL DATA							
Voltage / Phase (60 Hz)	208/230/1	208/230/1	208/230/1	208/230/1	208/230/1	208/230/1	208/230/1
Min. / Max. Voltage	187/253	187/253	187/253	187/253	187/253	187/253	187/253
MCA	18.8	21.5	25.2	29.9	36.4	41.4	41.4
MOP	25	30	40	45	50	60	60
COMPRESSOR							
Type	Rotary	Rotary	Rotary	Rotary	Scroll	Scroll	Scroll
Stage	Single	Single	Single	Single	Single	Single	Single
RLA	11.0	13.0	16.0	19	23	27	27
LRA	55	55	72	86	98	125	125
OUTDOOR FAN MOTOR							
Motor Type	PSC	PSC	PSC	PSC	PSC	PSC	PSC
Capacitor (uF)	6	6	6	15	15	15	15
Horsepower (HP)	1/12	1/6	1/6	1/3	1/3	1/3	1/3
Full Load Amps (FLA)	0.8	1.0	1.0	1.9	1.9	1.9	1.9
Rated Airflow (CFM)	2,144	2,909	2,909	5,223	5,223	5,223	5,223
INDOOR BLOWER MOTOR							
Motor Type	ECM	ECM	ECM	ECM	ECM	ECM	ECM
Horsepower (HP)	1/2	1/2	1/2	1/2	3/4	3/4	3/4
Full Load Amps (FLA)	4.2	4.2	4.2	4.2	5.7	5.7	5.7
Rated Airflow (CFM at 0.58in H ₂ O)	800	930	1050	1400	1700	1800	1800
REFRIGERATION SYSTEM							
Refrigerant Control	Piston	Piston	Piston	Piston	Piston	Piston	Piston
Refrigerant Charge (lbs. - oz.)	2 - 10	2 - 12	2 - 14	3 - 12	3 - 12	3 - 12	3 - 12
Sound Power (dB)	79	79	79	80	80	80	80

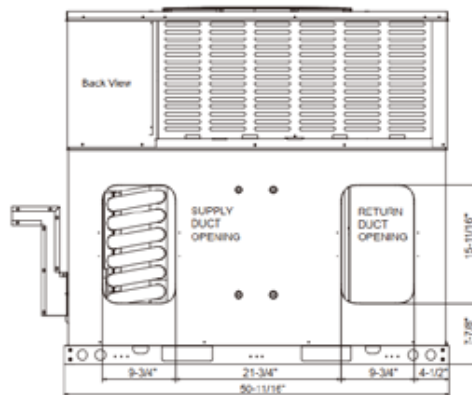
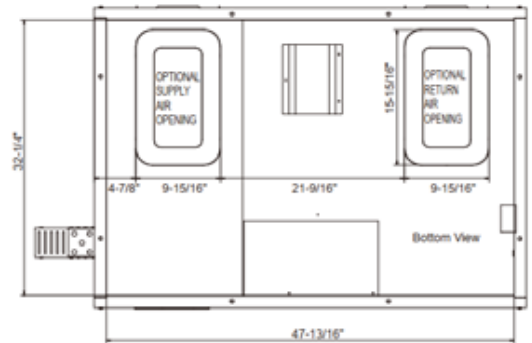
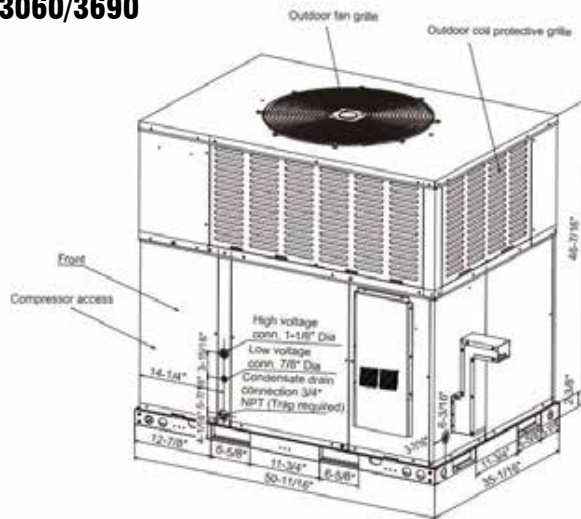




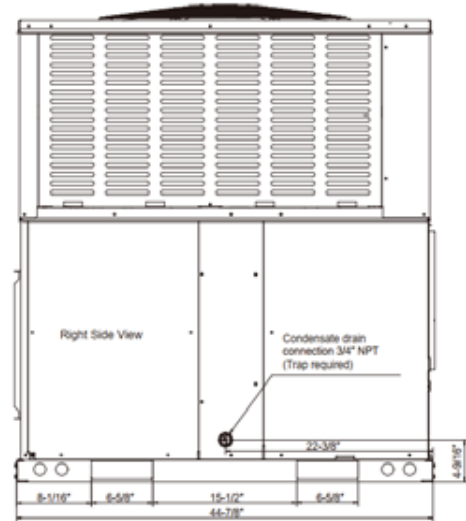
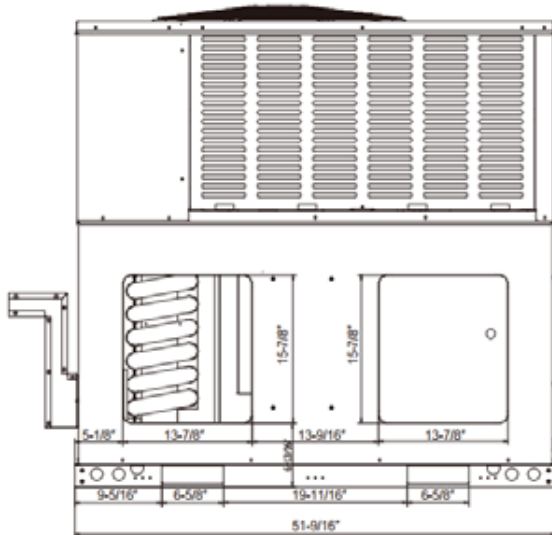
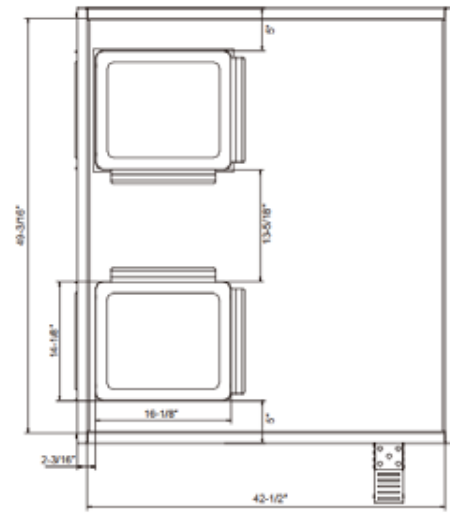
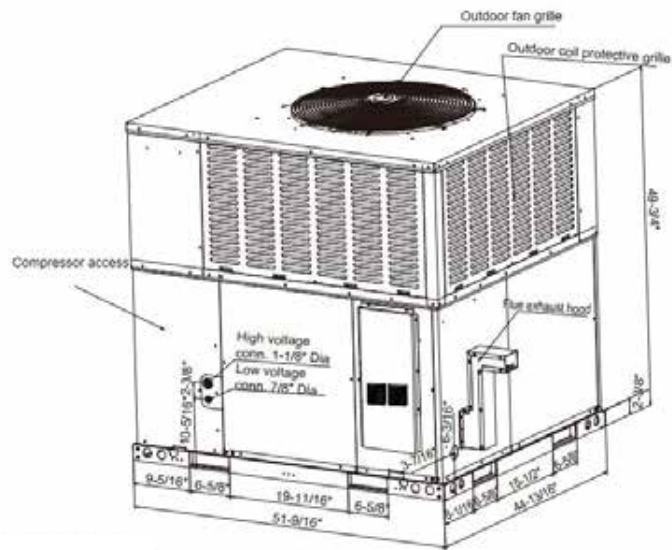
DIMENSIONS

	SRGP2460S1A	SRGP3060S1A	SRGP3690S1A	SRGP4290S1A	SRGP4890S1A	SRGP6090S1A	SRGP60110S1A
DIMENSIONS AND WEIGHTS							
Height (in.)	35-1/16	35-1/16	35-1/16	44-13/16	44-13/16	44-13/16	44-13/16
Width (in.)	50-11/16	50-11/16	50-11/16	51-9/16	51-9/16	51-9/16	51-9/16
Length (in.)	46-7/16	46-7/16	46-7/16	49-3/4	49-3/4	49-3/4	49-3/4
Net Weight (lbs.)	422	432	444	539	560	557	562

2460/3060/3690



4290/4890/6090/60110



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]	0.9[.23]	1.0[.25]
24	Low (Tap1)	SCFM	/	859	785	694	625	/	/	/	/	/	/
		Current/A	/	1.24	1.27	1.32	1.35	/	/	/	/	/	/
		Power/W	/	134	138	144	149	/	/	/	/	/	/
	Middle-1 (Tap2)	SCFM	/	/	/	/	887	806	753	695	646	/	/
		Current/A	/	/	/	/	2.02	2.07	2.12	2.13	2.17	/	/
		Power/W	/	/	/	/	234	241	246	244	249	/	/
	Middle-2 (Tap3)	SCFM	/	/	/	/	/	/	/	869	816	769	723
		Current/A	/	/	/	/	/	/	/	2.80	2.84	2.88	2.92
		Power/W	/	/	/	/	/	/	/	335	341	346	351
	Middle-3 (Tap4)	SCFM	/	/	/	/	/	/	/	/	/	882	836
		Current/A	/	/	/	/	/	/	/	/	/	3.38	3.43
		Power/W	/	/	/	/	/	/	/	/	/	412	418
30	Low (Tap1)	SCFM	/	/	/	/	/	/	/	/	/	/	884.6
		Current/A	/	/	/	/	/	/	/	/	/	/	3.67
		Power/W	/	/	/	/	/	/	/	/	/	/	445
	Middle-1 (Tap2)	CFM	927	859	785	/	/	/	/	/	/	/	/
		Current/A	1.20	1.24	1.27	/	/	/	/	/	/	/	/
		Power/W	129	134	138	/	/	/	/	/	/	/	/
	Middle-2 (Tap3)	CFM	/	1066	1001	945	887	806	753	/	/	/	/
		Current/A	/	1.90	1.94	1.98	2.02	2.07	2.12	/	/	/	/
		Power/W	/	218	224	228	234	241	246	/	/	/	/
	Middle-3 (Tap4)	CFM	/	/	/	1105	1051	998	925	869	816	769	/
		Current/A	/	/	/	2.61	2.65	2.70	2.75	2.80	2.84	2.88	/
		Power/W	/	/	/	310	316	322	329	335	341	346	/
	High (Tap5)	CFM	/	/	/	/	/	1109	1056	986	933	882	836
		Current/A	/	/	/	/	/	3.19	3.23	3.29	3.34	3.38	3.43
		Power/W	/	/	/	/	/	387	393	400	407	412	418
36	Low (Tap1)	CFM	/	/	/	/	/	/	/	1064	990	934	885
		Current/A	/	/	/	/	/	/	/	3.63	3.67	3.65	3.67
		Power/W	/	/	/	/	/	/	/	444	455	443	445
	Middle-1 (Tap2)	CFM	927	/	/	/	/	/	/	/	/	/	/
		Current/A	1.2	/	/	/	/	/	/	/	/	/	/
		Power/W	129	/	/	/	/	/	/	/	/	/	/
	Middle-2 (Tap3)	CFM	1127	1066	1001	945	/	/	/	/	/	/	/
		Current/A	1.87	1.90	1.94	1.98	/	/	/	/	/	/	/
		Power/W	213	218	224	228	/	/	/	/	/	/	/
	Middle-3 (Tap4)	CFM	1265	1217	1162	1105	1051	998	925	/	/	/	/
		Current/A	2.47	2.52	2.57	2.61	2.65	2.70	2.75	/	/	/	/
		Power/W	292	299	305	310	316	322	329	/	/	/	/
	High (Tap5)	CFM	/	1314	1263	1213	1159	1109	1056	986	933	/	/
		Current/A	/	3.01	3.06	3.10	3.14	3.19	3.23	3.29	3.34	/	/
		Power/W	/	363	369	375	381	387	393	400	407	/	/
36	Low (Tap1)	CFM	/	1347	1305	1283	1256	1196	1144	1064	990	934	/
		Current/A	/	3.68	3.67	3.66	3.66	3.66	3.66	3.63	3.67	3.65	/
		Power/W	/	452	451	450	449	448	449	444	455	443	/



AIR FLOW DATA CONT.

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]	0.7[.17]	0.8[.20]
42	Middle-1 (Tap2)	CFM	1153	1102	1056	/	/	/	/	/	/	/	/
		Current/A	2.09	2.13	2.18	/	/	/	/	/	/	/	/
		Power/W	227	233	239	/	/	/	/	/	/	/	/
	Middle-2 (Tap3)	CFM	1426	1388	1343	1306	1267	1229	1192	1156	1093	/	/
		Current/A	3.49	3.53	3.55	3.66	3.71	3.77	3.84	3.88	3.92	/	/
		Power/W	416	422	418	438	445	453	463	468	473	/	/
	Middle-3 (Tap4)	CFM	/	/	/	/	1472	1428	1392	1354	1309	/	/
		Current/A	/	/	/	/	5.08	5.06	5.09	5.13	5.12	/	/
		Power/W	/	/	/	/	634	629	633	639	638	/	/
	High (Tap5)	CFM	/	/	/	/	/	1500	1460	1398	1321	/	/
		Current/A	/	/	/	/	/	5.65	5.61	5.41	5.19	/	/
		Power/W	/	/	/	/	/	710	700	670	640	/	/
48	Middle-1 (Tap2)	CFM	1251	/	/	/	/	/	/	/	/	/	/
		Current/A	1.67	/	/	/	/	/	/	/	/	/	/
		Power/W	192	/	/	/	/	/	/	/	/	/	/
	Middle-2 (Tap3)	CFM	1547	1473	1424	1374	1323	1267	1213	/	/	/	/
		Current/A	2.8	2.87	2.95	3.04	3.12	3.21	3.3	/	/	/	/
		Power/W	340	350	360	371	382	394	407	/	/	/	/
	Middle-3 (Tap4)	CFM	1789	1741	1695	1649	1605	1559	1510	1460	1409	1359	1313
		Current/A	4.11	4.19	4.28	4.36	4.45	4.54	4.64	4.74	4.83	4.92	5
		Power/W	517	528	540	551	564	576	589	603	615	627	639
	High (Tap5)	CFM	/	/	/	/	/	1755	1696	1630	1563	1490	1438
		Current/A	/	/	/	/	/	5.79	5.76	5.73	5.71	5.68	5.66
		Power/W	/	/	/	/	/	750	745	741	737	733	730
60	Middle-2 (Tap3)	CFM	1547	1473	/	/	/	/	/	/	/	/	/
		Current/A	2.8	2.87	/	/	/	/	/	/	/	/	/
		Power/W	340	350	/	/	/	/	/	/	/	/	/
	Middle-3 (Tap4)	CFM	1789	1741	1695	1649	1605	1559	1510	1460	/	/	/
		Current/A	4.11	4.19	4.28	4.36	4.45	4.54	4.64	4.74	/	/	/
		Power/W	517	528	540	551	564	576	589	603	/	/	/
	High (Tap5)	CFM	2035	1976	1927	1875	1815	1755	1696	1630	1563	1490	1438
		Current/A	5.66	5.74	5.81	5.85	5.82	5.79	5.76	5.73	5.71	5.68	5.66
		Power/W	733	744	754	758	754	750	745	741	737	733	730

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."