



Featuring
Industry Standard
R-410A Refrigerant

R-410A



SPGL SERIES

50 Hz HIGH EFFICIENCY HEAT PUMPS

Features

- Coils constructed with copper tubing and enhanced aluminum fins.
- Strong, attractive cabinet—louvered design protects the coil from damage.
- Expansion Valves with Internal Check Valve—Provides for quieter refrigerant metering.
- Demand Defrost Control
- Non-Cycling Reversing Valve
- Hot Gas Muffler
- Service Valves
- Grille/motor mount for quiet fan operation.
- Easily accessible control box.
- High pressure control.
- Low pressure control.

Accessories/Options

- Heat Pump Thermostat Warning Light Kit (Model No. RXPX-D01)
- Low Ambient Control (Model No. RXAD-A08)
- Outdoor Thermostats (Model No. RXPT-A01, A02, A03 or A04)
- Heat Pump Monitor (Model No. RXPM-B01)
- Thermostats and Subbases
(Available through the PROSTOCK® department)
- Compressor Time Delay Control (Model No. RXMD-B01)
- Blower Time Delay Control (Model No. RXMD-C04)
RXMD-C04 is not required if the outdoor unit is matched with a Rheem Value Series furnace or air handler, or if the furnace or air handler used has a blower off time delay built-in.
- Sound Enclosure*
- Bi-Directional Filter Dryer
- Start Components*

*Available through the PROSTOCK® department.

Applications

Rheem Value Series remote heat pumps offer comfort and dependability for single, multi-family and light commercial applications.



Model Identification Number

S	P	G	L	24	T	A
RHEEM EXPORT	P = HEAT PUMP	VOLTAGE	L = R-410A	NOMINAL COOLING CAPACITY	CABINET	A = STANDARD MODEL
				24 = 24,000 BTU/HR [7.03 kW] 30 = 30,000 BTU/HR [8.79 kW] 36 = 36,000 BTU/HR [10.55 kW] 42 = 42,000 BTU/HR [12.31 kW] 48 = 48,000 BTU/HR [14.07 kW] 60 = 60,000 BTU/HR [17.58 kW] 65 = 65,000 BTU/HR [19.05 kW]	N = 3-50-380/415 T = 1-50-230/240	

Performance Data AHRI Standard Conditions

Note: Only these combinations of indoor/outdoor units are approved and any other combinations should not be used.

Model Numbers		AHRI Cooling Performance							AHRI Htg. Performance (70°F (21.0°C) Indoor)							
		80°F [26.5°C] DB / 67°F [19.5°C] WB Indoor Air 95°F [35°C] DB Outdoor Air							Outdoor Air 47°F DB/ 43°F WB [8.5°C/6.5°C] DOE HighTemp.			Outdoor Air 17°F DB/ 15°F WB [-8.5°C/-9.5°C] DOE Low Temp.			DOE Region IV HSPF	DOE Region V HSPF
Outdoor Unit SPGL	Indoor Coil and/or Air Handler	Total Capacity BTU/H [kW]	Net Sensible BTU/H [kW]	Net Latent BTU/H [kW]	EER	SEER	Sound Rating dB	Indoor CFM [L/s]	BTU/H [kW]	Total Watts	COP	BTU/H [kW]	Total Watts	COP		
24TA	SHSL-HM3017	20,370 [5.96]	11,090 [3.25]	9,280 [2.72]	11.71	12.60	7.8	700 [330]	20,280 [5.94]	2,277	2.61	12,155 [3.56]	1,689	2.11	7.20	6.45
	SHLL-HM3017	20,640 [6.04]	11,440 [3.35]	9,200 [2.69]	12.44	13.35	7.8	700 [330]	20,450 [5.99]	1,844	3.25	12,325 [3.61]	1,165	3.10	7.20	6.45
	RCFL-HM2417A	16,870 [4.94]	7,700 [2.25]	9,170 [2.68]	11.51	12.35	7.8	700 [330]	16,780 [4.91]	1,870	2.63	8,655 [2.53]	1,169	2.17	7.40	6.65
30TA	SHSL-HM3017	24,380 [7.14]	11,730 [3.43]	12,650 [3.70]	12.65	14.45	8.2	800 [377]	24,180 [7.08]	2,362	3.00	13,970 [4.09]	1,821	2.25	7.20	6.45
	SHLL-HM3017	24,780 [7.26]	12,980 [3.80]	11,800 [3.46]	13.69	15.35	8.2	800 [377]	24,590 [7.20]	2,053	3.51	14,310 [4.21]	1,290	3.25	7.20	6.45
	RCFL-HM3617A	24,290 [7.11]	12,990 [3.80]	11,300 [3.31]	12.51	14.00	8.2	930 [438]	24,070 [7.05]	2,766	2.55	13,870 [4.06]	1,871	2.17	7.40	6.65
36TA	SHSL-HM4217	29,510 [8.64]	20,280 [6.23]	9,230 [2.70]	11.71	12.60	7.8	1,000 [1699]	29,300 [8.58]	3,204	2.68	17,320 [5.07]	2,406	2.11	7.30	6.40
	SHLL-HM4217	30,266 [8.86]	21,066 [6.17]	9,200 [2.69]	13.17	14.00	7.8	1,000 [1699]	30,020 [8.78]	2,749	3.20	18,040 [5.28]	1,817	2.91	7.30	6.40
	RCFL-HM3617A	29,425 [8.62]	20,305 [5.95]	9,120 [2.67]	11.60	12.45	7.8	1,200 [2038]	29,205 [8.55]	3,194	2.68	17,225 [5.04]	2,326	2.17	7.60	6.60
42TA	SHSL-HM4217	33,550 [9.82]	21,800 [6.38]	11,750 [3.44]	11.61	13.40	8.2	1,200 [566]	33,350 [9.77]	3,215	3.04	16,860 [4.94]	2,198	2.25	7.20	6.45
	SHLL-HM4217	34,370 [10.06]	22,360 [6.55]	12,010 [3.52]	12.98	14.65	8.2	1,200 [566]	34,180 [10.00]	2,767	3.62	17,690 [5.18]	1,525	3.40	7.20	6.45
	RCFL-HM3617A	33,500 [9.81]	21,093 [6.18]	12,407 [3.63]	11.50	13.00	8.2	1,200 [566]	33,310 [9.75]	3,769	2.59	16,910 [4.95]	2,281	2.17	7.40	6.65

[] Designates Metric Conversions

Performance Data AHRI Standard Conditions (cont.)

Note: Only these combinations of indoor/outdoor units are approved and any other combinations should not be used.

Model Numbers		AHRI Cooling Performance							AHRI Htg. Performance (70°F (21.0°C) Indoor)							
		80°F [26.5°C] DB / 67°F [19.5°C] WB Indoor Air 95°F [35°C] DB Outdoor Air							Outdoor Air 47°F DB/ 43°F WB [8.5°C/6.5°C] DOE HighTemp.			Outdoor Air 17°F DB/ 15°F WB [-8.5°C/-9.5°C] DOE Low Temp.			DOE Region IV HSPF	DOE Region V HSPF
Outdoor Unit SPGL	Indoor Coil and/or Air Handler	Total Capacity BTU/H [kW]	Net Sensible BTU/H [kW]	Net Latent BTU/H [kW]	EER	SEER	Sound Rating dB	Indoor CFM [L/s]	BTU/H [kW]	Total Watts	COP	BTU/H [kW]	Total Watts	COP		
48TA	SHSL-HM6021	34,100 [9.98]	25,022 [7.33]	9,078 [2.66]	11.37	12.95	7.8	1,332 [2263]	33,950 [9.94]	3,579	2.78	18,700 [4.48]	2,466	2.22	7.30	6.40
	SHLL-HM6021	34,920 [10.22]	25,860 [7.57]	9,060 [2.65]	12.67	14.20	7.8	1,332 [2263]	34,780 [10.08]	3,288	3.10	19,530 [5.72]	2,008	2.85	7.30	6.40
	RCFL-HM4821A	33,925 [9.93]	24,935 [7.30]	8,990 [2.63]	11.19	12.05	7.8	1,544 [2623]	33,825 [9.90]	3,685	2.69	18,595 [5.44]	2,406	2.27	7.60	6.60
48NA	SHSL-HM6021	39,000 [11.42]	26,747 [7.81]	12,253 [3.59]	11.51	13.20	8.2	1,332 [2263]	38,900 [11.39]	3,800	3.00	23,640 [6.92]	2,951	2.35	7.20	6.45
	SHLL-HM6021	40,000 [11.71]	27,700 [8.11]	12,300 [3.60]	12.92	14.45	8.2	1,332 [2263]	39,920 [11.69]	3,296	3.55	24,660 [7.22]	2,677	2.70	7.20	6.45
	RCFL-HM4821A	39,550 [11.58]	27,045 [7.92]	12,505 [3.66]	11.45	12.70	8.2	1,544 [2623]	39,480 [11.56]	4,032	2.87	24,258 [7.10]	3,074	2.31	7.40	6.65
60NA	SHSL-HM6021	51,720 [15.14]	37,740 [11.05]	13,980 [4.09]	9.76	11.45	8.4	1,665 [2828]	51,680 [15.13]	4,886	3.10	33,830 [9.90]	4,230	2.34	7.35	6.50
	SHLL-HM6021	53,360 [15.62]	39,315 [11.51]	14,045 [4.11]	11.08	12.60	8.4	1,665 [2828]	53,290 [15.60]	4,057	3.85	35,440 [10.37]	3,710	2.80	7.35	6.50
	RCFL-HM4821A	51,500 [15.08]	37,375 [10.95]	14,125 [4.14]	9.60	10.85	8.4	1,665 [2828]	51,425 [15.06]	4,958	3.04	33,575 [9.83]	4,358	2.26	7.15	6.35
65NA	SHLL-HM6524	61,830 [18.10]	41,310 [12.10]	20,520 [6.01]	9.15	11.25	8.4	2,024 [3438]	61,800 [18.09]	5,881	3.08	42,550 [12.46]	5,518	2.26	7.35	6.50
	RCFL-HM6024A	61,400 [17.98]	40,900 [11.97]	20,500 [6.00]	9.02	10.90	8.4	2,024 [3438]	61,320 [17.95]	4,705	3.82	42,070 [12.32]	4,404	2.80	7.35	6.50

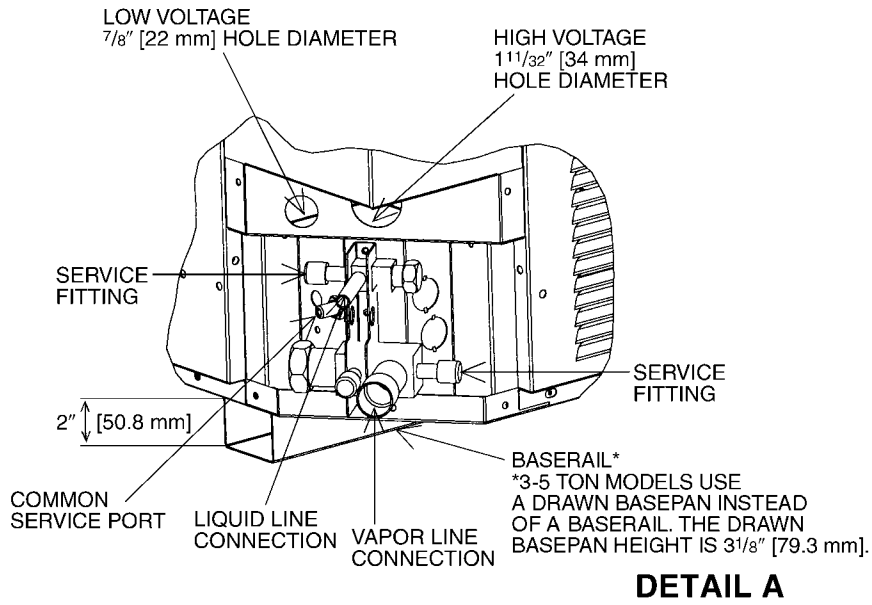
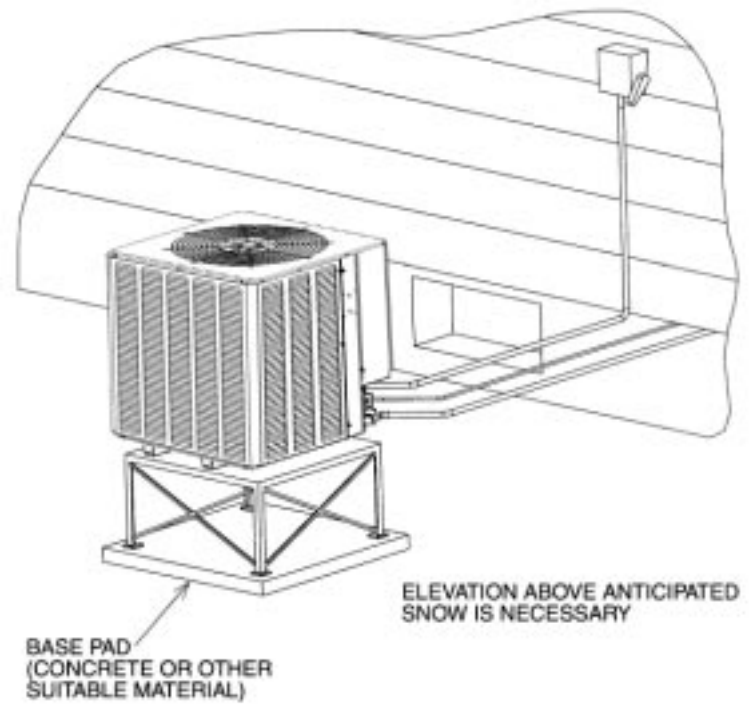
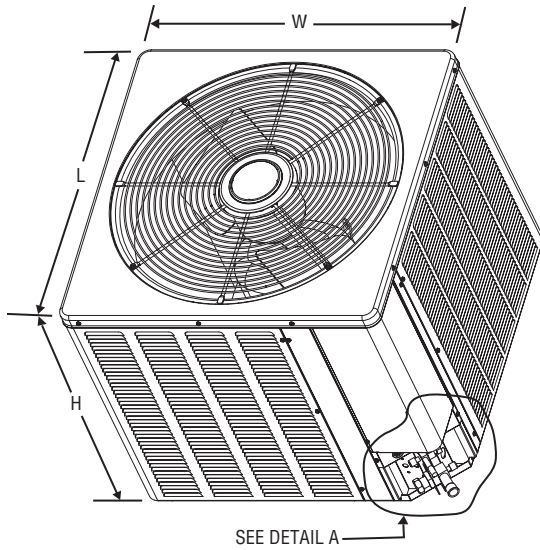
[] Designates Metric Conversions

Electrical and Physical Data

Model Number	Phase-Hertz-Voltage	Comp RLA	Comp LRA	Motor FLA	MCA	Calc. Fuse Sizes		Outdoor Coil Coil Area Sq Ft [m2]	Rows	R22 Charge Weight [Oz.] [g]
						Min	Max			
SPGL-024TA	1-50-220-240	10.0	52	0.6	17	20	20	11.06 [1.03]	1	91 [2580]
SPGL-030TA	1-50-220-240	12.5	60	0.8	19	25	25	13.72 [1.27]	1	101 [2863]
SPGL-036TA	1-50-220-240	15.0	67	0.8	23	30	30	16.39 [1.52]	1	109 [3090]
SPGL-042TA	1-50-220-240	17.9	87	1.2	29	35	35	21.85 [2.03]	1	150 [4252]
SPGL-048TA	1-50-220-240	17.7	98	1.2	29	35	35	21.85 [2.03]	2	141 [3997]
SPGL-048NA	3-50-380/415	6.9	41	1.0	12	15	15	21.85 [2.03]	2	141 [3997]
SPGL-060NA	3-50-380/415	8.9	52	1.0	15	20	20	21.85 [2.03]	2	228 [6464]
SPGL-065NA	3-50-380/415	11.8	75	1.0	15	20	20	21.85 [2.03]	2	228 [6464]

[] Designates Metric Conversions

Unit Dimensions



Model Number SPGL	Height "H" (Inches) [mm]	Length "L" (Inches) [mm]	Width "W" (Inches) [mm]
24	26 ¹ / ₄ [666.75]	23 ⁵ / ₈ [600.07]	23 ⁵ / ₈ [600.07]
30	26 ¹ / ₄ [666.75]	27 ⁵ / ₈ [701.67]	27 ⁵ / ₈ [701.67]
36	27 ³ / ₈ [695.32]	31 ⁵ / ₈ [803.27]	31 ⁵ / ₈ [803.27]
42, 48, 60, 65	35 ³ / ₈ [898.52]	31 ⁵ / ₈ [803.27]	31 ⁵ / ₈ [803.27]

[] Designates Metric Conversions

Heat Pump Refrigerant Line Size Information

SPGL Model	Line Size Connection Size (Inch I.D.) [mm]	Line Size (Inch O.D.) [mm]	Liquid Line Sizing (R410A) Outdoor Unit Above or Below Indoor Coil (Heat Pumps Only)					
			Total Equivalent Length—Feet [m]					
			25 [7.62]	50 [15.24]	75 [22.86]	100 [30.48]	125 [38.10]	150 [45.72]
			Maximum Vertical Separation—Feet [m]					
24T	3/8" [9.53]	1/4 [6.35]	23 [7.01]	N/A	N/A	N/A	N/A	N/A
		5/16 [7.94]	25 [7.62]	36 [10.97]	29 [8.84]	23 [7.01]	16 [4.88]	9 [2.74]
		3/8* [9.53]	25 [7.62]	50 [15.24]	72 [21.95]	70 [21.34]	68 [20.73]	65 [19.81]
30T	3/8" [9.53]	1/4 [6.35]	25 [7.62]	N/A	N/A	N/A	N/A	N/A
		5/16 [7.94]	25 [7.62]	49 [14.94]	38 [11.58]	27 [8.23]	17 [5.18]	6 [1.83]
		3/8* [9.53]	25 [7.62]	50 [15.24]	68 [20.73]	65 [19.81]	62 [18.90]	58 [17.68]
36T	3/8" [9.53]	5/16 [7.94]	25 [7.62]	50 [15.24]	37 [11.28]	22 [6.71]	7 [2.13]	N/A
		3/8* [9.53]	25 [7.62]	50 [15.24]	68 [20.73]	63 [19.20]	58 [17.68]	53 [16.15]
42T	3/8" [9.53]	5/16 [7.94]	25 [7.62]	23 [7.01]	4 [1.22]	N/A	N/A	N/A
		3/8* [9.53]	25 [7.62]	50 [15.24]	43 [13.11]	36 [10.97]	30 [9.14]	24 [7.32]
48T, 48N	3/8" [9.53]	3/8* [9.53]	25 [7.62]	46 [14.02]	38 [11.58]	30 [9.14]	22 [6.71]	15 [4.57]
		1/2 [12.7]	25 [7.62]	50 [15.24]	56 [17.07]	55 [16.76]	53 [16.15]	52 [15.85]
60N, 65N	3/8" [9.53]	3/8* [9.53]	25 [7.62]	50 [15.24]	56 [17.07]	44 [13.41]	32 [9.75]	20 [6.10]
		1/2 [12.7]	25 [7.62]	50 [15.24]	75 [22.86]	81 [24.69]	79 [24.08]	76 [23.16]

NOTES:
 *Standard line size
 N/A = Application not recommended.

Suction Line Length/Size versus Capacity Multiplier (R-410A)									
SPGL Model		24T		30T		36T	42T	48T, 48N	60N, 65N
Suction Line Connection Size		3/4" [19.05] I.D.						7/8" [22.23] I.D.	
Suction Line Run—Feet [m]		5/8" [15.88 mm] O.D. Opt. 3/4" [19.05 mm] O.D. Std.*		5/8" [15.88 mm] O.D. Opt. 3/4" [19.05 mm] O.D. Std.* 7/8" [22.23 mm] O.D. Opt.		3/4" [19.05 mm] O.D. Opt. 7/8" [22.23 mm] O.D. Std.*		7/8" [22.23 mm] O.D. Opt. 1 1/8" [28.58 mm] O.D. Std.*	
25' [7.62]	Optional	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
	Standard	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
	Optional	—	—	1.00	—	—	—	—	—
50' [15.24]	Optional	0.98	0.98	0.96	0.98	0.98	0.99	0.99	0.99
	Standard	0.99	0.99	0.98	0.99	0.99	0.99	0.99	0.99
	Optional	—	—	0.99	—	—	—	—	—
100' [30.48]	Optional	0.95	0.95	0.94	0.96	0.96	0.96	0.96	0.97
	Standard	0.96	0.96	0.96	0.97	0.98	0.98	0.98	0.98
	Optional	—	—	0.97	—	—	—	—	—
150' [45.72]	Optional	0.92	0.92	0.91	0.94	0.94	0.94	0.95	0.94
	Standard	0.93	0.94	0.93	0.95	0.96	0.96	0.96	0.97
	Optional	—	—	0.95	—	—	—	—	—

NOTES:
 *Standard line size
 N/A = Using suction line larger than shown in chart will result in poor oil return and is not recommended.

[] Designates Metric Conversions

NOTES

Before proceeding with installation, refer to installation instructions packaged with each model, as well as complying with all Federal, State, Provincial, and Local codes, regulations, and practices.

**Rheem Heating,
Cooling and
Water Heating**

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"In keeping with its policy of continuous progress and product improvement, Rheem reserves the right to make changes without notice."